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1 rint_iou: 0.28637242317199707
2 Epoch 5/499: 100%|██████████| 160/160 [16:38<00:00, 6.19s/it]print_dice: 0.5236048698425293
, print_iou: 0.35465091466903687
3 [159/160] eta: 0:00:06 time: 6.2460 data: 0.0006
4 Epoch 5/499: 100%|██████████| 160/160 [16:39<00:00, 6.25s/it]
5 Total time: 0:16:39 (6.2453 s / it)
6 Averaged stats: training_loss: -30.7266 (-30.7266) loss_mask: -30.8927 (-30.8927) loss_dice
: 0.1661 (0.1661)
7 Net parameter norm: 1053.839892692631
8 Validating...
9 Valid_dataloader len: 12
10 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
sigmoid values: tensor([0.0068, 0.0071, 0.0071, ..., 0.9940, 0.9940, 0.9941],
11 grad_fn=<Unique2Backward0>)
12 8%|███████| 1/12 [00:08<01:38, 8.96s/it]print_dice: 0.540775716304779, print_iou: 0.
3705911934375763
13 [ 0/12] eta: 0:01:47 time: 8.9632 data: 4.8110
14 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0091, 0.0091,
0.0091, ..., 0.9948, 0.9950, 0.9951],
15 grad_fn=<Unique2Backward0>)
16 17%|███████| 2/12 [00:13<01:01, 6.15s/it]print_dice: 0.5609726309776306, print_iou: 0.
3898276090621948
17 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0068, 0.0071,
0.0071, ..., 0.9940, 0.9940, 0.9941],
18 grad_fn=<Unique2Backward0>)
19 print_dice: 0.515843391418457, print_iou: 0.347566694021225
20 25%|███████| 3/12 [00:17<00:46, 5.21s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32])
unique sigmoid values: tensor([0.0192, 0.0195, 0.0199, ..., 0.9821, 0.9828, 0.9830],
21 grad_fn=<Unique2Backward0>)
22 33%|███████| 4/12 [00:21<00:38, 4.79s/it]print_dice: 0.5077801942825317, print_iou: 0.
34028512239456177
23 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0108, 0.0108,
0.0109, ..., 0.9946, 0.9946, 0.9947],
24 grad_fn=<Unique2Backward0>)
25 print_dice: 0.5494512915611267, print_iou: 0.3787885904312134
26 42%|███████| 5/12 [00:25<00:31, 4.55s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32])
unique sigmoid values: tensor([0.0060, 0.0061, 0.0063, ..., 0.9933, 0.9933, 0.9934],
27 grad_fn=<Unique2Backward0>)
28 print_dice: 0.496381938457489, print_iou: 0.33012503385543823
29 50%|███████| 6/12 [00:29<00:26, 4.43s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32])
unique sigmoid values: tensor([0.0081, 0.0083, 0.0083, ..., 0.9960, 0.9961, 0.9961],
30 grad_fn=<Unique2Backward0>)
31 print_dice: 0.44471609592437744, print_iou: 0.2859388589859009
32 58%|███████| 7/12 [00:33<00:21, 4.33s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32])
unique sigmoid values: tensor([0.0271, 0.0294, 0.0294, ..., 0.9863, 0.9863, 0.9863],
33 grad_fn=<Unique2Backward0>)
34 67%|███████| 8/12 [00:37<00:16, 4.23s/it]print_dice: 0.5258463621139526, print_iou: 0.
35671067237854004
35 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0183, 0.0185,
0.0186, ..., 0.9799, 0.9801, 0.9805],
36 grad_fn=<Unique2Backward0>)
37 75%|███████| 9/12 [00:42<00:12, 4.21s/it]print_dice: 0.5364780426025391, print_iou: 0.
3665664792060852
38 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0225, 0.0226,
0.0227, ..., 0.9836, 0.9836, 0.9840],
39 grad_fn=<Unique2Backward0>)
40 83%|███████| 10/12 [00:46<00:08, 4.16s/it]print_dice: 0.5496183037757874, print_iou: 0.
37894731760025024
41 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0245, 0.0259,
0.0262, ..., 0.9780, 0.9781, 0.9791],
42 grad_fn=<Unique2Backward0>)
43 print_dice: 0.596703290939331, print_iou: 0.42521536350250244
44 92%|███████| 11/12 [00:50<00:04, 4.16s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32])
unique sigmoid values: tensor([0.0248, 0.0253, 0.0255, ..., 0.9697, 0.9709, 0.9712],
45 grad_fn=<Unique2Backward0>)
46 print_dice: 0.5667603015899658, print_iou: 0.3954399824142456
47 [11/12] eta: 0:00:04 time: 4.5263 data: 0.4016
48 100%|██████████| 12/12 [00:54<00:00, 4.56s/it]
49 Total time: 0:00:54 (4.5593 s / it)

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51 Averaged stats:
52 Epoch 6/499:  0%|          | 0/160 [00:00<?, ?it/s]epoch:  6  learning rate:  1e-06
53 Epoch 6/499:  1%|          | 1/160 [00:10<27:50, 10.51s/it]print_dice: 0.5280289649963379
   ,   print_iou: 0.35872238874435425
54 [ 0/160] eta: 0:28:01   time: 10.5070  data: 4.2522
55 print_dice: 0.5052046775817871,   print_iou: 0.33797580003738403
56 Epoch 6/499:  2%|          | 3/160 [00:22<18:46,  7.17s/it]print_dice: 0.5939431190490723
   ,   print_iou: 0.422417551279068
57 print_dice: 0.5551219582557678,   print_iou: 0.3841998875141144
58 Epoch 6/499:  3%|          | 5/160 [00:35<16:54,  6.55s/it]print_dice: 0.4665331244468689
   ,   print_iou: 0.30423423647880554
59 print_dice: 0.49708884954452515,   print_iou: 0.33075064420700073
60 Epoch 6/499:  4%|          | 7/160 [00:47<16:18,  6.40s/it]print_dice: 0.48040348291397095
   ,   print_iou: 0.3161388337612152
61 print_dice: 0.49765533208847046,   print_iou: 0.33125245571136475
62 Epoch 6/499:  6%|          | 9/160 [01:00<16:00,  6.36s/it]print_dice: 0.4850723147392273
   ,   print_iou: 0.3201950192451477
63 Epoch 6/499:  6%|          | 10/160 [01:06<15:51,  6.35s/it]print_dice: 0.5183206796646118
   ,   print_iou: 0.34981974959373474
64 Epoch 6/499:  7%|          | 11/160 [01:12<15:38,  6.30s/it]print_dice: 0.5363863110542297
   ,   print_iou: 0.3664807975292206
65 Epoch 6/499:  8%|          | 12/160 [01:19<15:27,  6.27s/it]print_dice: 0.46466752886772156
   ,   print_iou: 0.30264943838119507
66 print_dice: 0.5142382383346558,   print_iou: 0.34611085057258606
67 Epoch 6/499:  9%|          | 14/160 [01:31<15:24,  6.33s/it]print_dice: 0.46740204095840454
   ,   print_iou: 0.30497369170188904
68 print_dice: 0.5964978337287903,   print_iou: 0.4250067174434662
69 Epoch 6/499: 10%|          | 16/160 [01:44<14:57,  6.24s/it]print_dice: 0.42672762274742126
   ,   print_iou: 0.2712356746196747
70 Epoch 6/499: 11%|          | 17/160 [01:50<14:54,  6.25s/it]print_dice: 0.5090379118919373
   ,   print_iou: 0.34141573309898376
71 print_dice: 0.5061628222465515,   print_iou: 0.3388340175151825
72 Epoch 6/499: 12%|          | 19/160 [02:03<14:46,  6.29s/it]print_dice: 0.5179039835929871
   ,   print_iou: 0.34944024682044983
73 Epoch 6/499: 12%|          | 20/160 [02:09<14:35,  6.26s/it]print_dice: 0.5029610395431519
   ,   print_iou: 0.33597058057785034
74 print_dice: 0.5276853442192078,   print_iou: 0.35840529203414917
75 Epoch 6/499: 14%|          | 22/160 [02:21<14:17,  6.21s/it]print_dice: 0.4311102628707886
   ,   print_iou: 0.2747868597507477
76 print_dice: 0.4568963646888733,   print_iou: 0.296089231967926
77 Epoch 6/499: 15%|          | 24/160 [02:33<14:01,  6.18s/it]print_dice: 0.47630417346954346
   ,   print_iou: 0.31259793043136597
78 Epoch 6/499: 16%|          | 25/160 [02:40<13:58,  6.21s/it]print_dice: 0.504080057144165
   ,   print_iou: 0.33696994185447693
79 Epoch 6/499: 16%|          | 26/160 [02:46<13:55,  6.24s/it]print_dice: 0.4368155300617218
   ,   print_iou: 0.2794395387172699
80 Epoch 6/499: 17%|          | 27/160 [02:52<13:52,  6.26s/it]print_dice: 0.5313736200332642
   ,   print_iou: 0.36181673407554626
81 Epoch 6/499: 18%|          | 28/160 [02:58<13:44,  6.25s/it]print_dice: 0.5262260437011719
   ,   print_iou: 0.35706019401550293
82 Epoch 6/499: 18%|          | 29/160 [03:05<13:34,  6.22s/it]print_dice: 0.5126397609710693
   ,   print_iou: 0.34466415643692017
83 print_dice: 0.5476235151290894,   print_iou: 0.377053439617157
84 Epoch 6/499: 19%|          | 31/160 [03:17<13:16,  6.18s/it]print_dice: 0.5873305201530457
   ,   print_iou: 0.4157593250274658
85 Epoch 6/499: 20%|          | 32/160 [03:23<13:11,  6.18s/it]print_dice: 0.5618547797203064
   ,   print_iou: 0.3906801640987396
86 Epoch 6/499: 21%|          | 33/160 [03:29<13:10,  6.22s/it]print_dice: 0.5628053545951843
   ,   print_iou: 0.39159995317459106
87 print_dice: 0.5164235830307007,   print_iou: 0.3480936884880066
88 Epoch 6/499: 22%|          | 35/160 [03:42<12:58,  6.23s/it]print_dice: 0.4990970194339752
   ,   print_iou: 0.3325311541557312
89 Epoch 6/499: 22%|          | 36/160 [03:48<12:57,  6.27s/it]print_dice: 0.5636956691741943
   ,   print_iou: 0.3924625515937805
90 Epoch 6/499: 23%|          | 37/160 [03:55<12:54,  6.30s/it]print_dice: 0.46292823553085327
   ,   print_iou: 0.30117541551589966
91 print_dice: 0.4947388768196106,   print_iou: 0.3286731243133545
92 Epoch 6/499: 24%|          | 39/160 [04:07<12:42,  6.30s/it]print_dice: 0.5367914438247681

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92 , print_iou: 0.36685916781425476
93 print_dice: 0.5106821060180664, print_iou: 0.3428966701030731
94 Epoch 6/499: 26%|██████| 41/160 [04:19<12:19, 6.22s/it]print_dice: 0.5617170333862305
, print_iou: 0.3905469477176666
95 Epoch 6/499: 26%|██████| 42/160 [04:26<12:12, 6.21s/it]print_dice: 0.5169693827629089
, print_iou: 0.34858983755111694
96 Epoch 6/499: 27%|██████| 43/160 [04:32<12:07, 6.21s/it]print_dice: 0.4741441309452057
, print_iou: 0.31073978543281555
97 print_dice: 0.5035594701766968, print_iou: 0.33650484681129456
98 Epoch 6/499: 28%|██████| 45/160 [04:44<11:59, 6.25s/it]print_dice: 0.46162357926368713
, print_iou: 0.30007192492485046
99 Epoch 6/499: 29%|██████| 46/160 [04:51<11:50, 6.23s/it]print_dice: 0.4807250201702118
, print_iou: 0.3164173662662506
100 Epoch 6/499: 29%|██████| 47/160 [04:57<11:42, 6.21s/it]print_dice: 0.49570971727371216
, print_iou: 0.32953062653541565
101 print_dice: 0.5440269708633423, print_iou: 0.3736518323421478
102 Epoch 6/499: 31%|██████| 49/160 [05:09<11:30, 6.22s/it]print_dice: 0.43634411692619324
, print_iou: 0.27905380725860596
103 Epoch 6/499: 31%|██████| 50/160 [05:15<11:22, 6.20s/it]print_dice: 0.5171574950218201
, print_iou: 0.3487609028816223
104 Epoch 6/499: 32%|██████| 51/160 [05:22<11:16, 6.20s/it]print_dice: 0.4168444275856018
, print_iou: 0.26329973340034485
105 Epoch 6/499: 32%|██████| 52/160 [05:28<11:13, 6.24s/it]print_dice: 0.5086521506309509
, print_iou: 0.34106874465942383
106 print_dice: 0.5027092695236206, print_iou: 0.3357459604740143
107 Epoch 6/499: 34%|██████| 54/160 [05:41<11:04, 6.27s/it]print_dice: 0.524652898311615
, print_iou: 0.35561320185661316
108 print_dice: 0.4889022409915924, print_iou: 0.3235411047935486
109 Epoch 6/499: 35%|██████| 56/160 [05:53<10:49, 6.25s/it]print_dice: 0.5140801072120667
, print_iou: 0.345967561006546
110 Epoch 6/499: 36%|██████| 57/160 [05:59<10:42, 6.23s/it]print_dice: 0.5801780819892883
, print_iou: 0.40862736105918884
111 Epoch 6/499: 36%|██████| 58/160 [06:05<10:35, 6.23s/it]print_dice: 0.42169687151908875
, print_iou: 0.26718369126319885
112 Epoch 6/499: 37%|██████| 59/160 [06:12<10:26, 6.21s/it]print_dice: 0.5451767444610596
, print_iou: 0.374737411737442
113 Epoch 6/499: 38%|██████| 60/160 [06:18<10:17, 6.18s/it]print_dice: 0.5288105607032776
, print_iou: 0.3594442307949066
114 Epoch 6/499: 38%|██████| 61/160 [06:24<10:10, 6.17s/it]print_dice: 0.6006696224212646
, print_iou: 0.42925503849983215
115 print_dice: 0.5530588030815125, print_iou: 0.38222619891166687
116 Epoch 6/499: 39%|██████| 63/160 [06:37<10:06, 6.25s/it]print_dice: 0.5270724296569824
, print_iou: 0.35784000158309937
117 Epoch 6/499: 40%|██████| 64/160 [06:43<10:01, 6.26s/it]print_dice: 0.5035483241081238
, print_iou: 0.33649489283561707
118 Epoch 6/499: 41%|██████| 65/160 [06:49<09:57, 6.28s/it]print_dice: 0.5371237397193909
, print_iou: 0.36716964840888977
119 Epoch 6/499: 41%|██████| 66/160 [06:55<09:49, 6.27s/it]print_dice: 0.5315642952919006
, print_iou: 0.36199355125427246
120 Epoch 6/499: 42%|██████| 67/160 [07:02<09:44, 6.28s/it]print_dice: 0.501618504524231
, print_iou: 0.33477354049682617
121 print_dice: 0.5550763010978699, print_iou: 0.38415616750717163
122 Epoch 6/499: 43%|██████| 69/160 [07:14<09:35, 6.32s/it]print_dice: 0.48845216631889343
, print_iou: 0.3231470286846161
123 Epoch 6/499: 44%|██████| 70/160 [07:21<09:26, 6.30s/it]print_dice: 0.5203613638877869
, print_iou: 0.3516813814640045
124 Epoch 6/499: 44%|██████| 71/160 [07:27<09:21, 6.31s/it]print_dice: 0.5423925518989563
, print_iou: 0.3721115291118622
125 Epoch 6/499: 45%|██████| 72/160 [07:33<09:12, 6.28s/it]print_dice: 0.5098011493682861
, print_iou: 0.3421027660369873
126 print_dice: 0.48490309715270996, print_iou: 0.3200475871562958
127 Epoch 6/499: 46%|██████| 74/160 [07:46<08:56, 6.23s/it]print_dice: 0.5068552494049072
, print_iou: 0.33945485949516296
128 Epoch 6/499: 47%|██████| 75/160 [07:52<08:50, 6.25s/it]print_dice: 0.4284260869026184
, print_iou: 0.27260956168174744
129 Epoch 6/499: 48%|██████| 76/160 [07:58<08:41, 6.21s/it]print_dice: 0.5099216103553772
, print_iou: 0.3422112762928009
130 Epoch 6/499: 48%|██████| 77/160 [08:04<08:37, 6.23s/it]print_dice: 0.4575369358062744
, print_iou: 0.2966274917125702

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131 Epoch 6/499: 49%|███████| 78/160 [08:11<08:31, 6.24s/it]print_dice: 0.5802357792854309
, print_iou: 0.4086846113204956
132 Epoch 6/499: 49%|███████| 79/160 [08:17<08:27, 6.27s/it]print_dice: 0.5041001439094543
, print_iou: 0.3369879126548767
133 Epoch 6/499: 50%|███████| 80/160 [08:23<08:21, 6.26s/it]print_dice: 0.5338193774223328
, print_iou: 0.3640884459018707
134 print_dice: 0.5342584848403931, print_iou: 0.36449703574180603
135 Epoch 6/499: 51%|███████| 82/160 [08:36<08:06, 6.24s/it]print_dice: 0.4913332462310791
, print_iou: 0.32567381858825684
136 Epoch 6/499: 52%|███████| 83/160 [08:42<07:56, 6.19s/it]print_dice: 0.46483781933784485
, print_iou: 0.302793949842453
137 Epoch 6/499: 52%|███████| 84/160 [08:48<07:50, 6.19s/it]print_dice: 0.5450862646102905
, print_iou: 0.3746519386768341
138 print_dice: 0.5243774652481079, print_iou: 0.35536015033721924
139 Epoch 6/499: 54%|███████| 86/160 [09:00<07:41, 6.23s/it]print_dice: 0.47644367814064026
, print_iou: 0.31271812319755554
140 print_dice: 0.5249413251876831, print_iou: 0.3558782637119293
141 Epoch 6/499: 55%|███████| 88/160 [09:13<07:28, 6.23s/it]print_dice: 0.4164939224720001
, print_iou: 0.2630200982093811
142 Epoch 6/499: 56%|███████| 89/160 [09:19<07:27, 6.31s/it]print_dice: 0.48513755202293396
, print_iou: 0.3202518820762634
143 Epoch 6/499: 56%|███████| 90/160 [09:26<07:21, 6.30s/it]print_dice: 0.5064643621444702
, print_iou: 0.3391042947769165
144 print_dice: 0.5814564228057861, print_iou: 0.40989676117897034
145 Epoch 6/499: 57%|███████| 92/160 [09:38<07:07, 6.29s/it]print_dice: 0.5130842924118042
, print_iou: 0.3450661897659302
146 Epoch 6/499: 58%|███████| 93/160 [09:45<07:01, 6.30s/it]print_dice: 0.534835934638977
, print_iou: 0.365034818649292
147 print_dice: 0.5065633058547974, print_iou: 0.3391930162906647
148 Epoch 6/499: 59%|███████| 95/160 [09:57<06:52, 6.34s/it]print_dice: 0.5622873902320862
, print_iou: 0.39109858870506287
149 Epoch 6/499: 60%|███████| 96/160 [10:04<06:46, 6.35s/it]print_dice: 0.5395093560218811
, print_iou: 0.36940282583236694
150 print_dice: 0.45412033796310425, print_iou: 0.2937617599964142
151 Epoch 6/499: 61%|███████| 98/160 [10:16<06:32, 6.33s/it]print_dice: 0.5127040147781372
, print_iou: 0.34472227096557617
152 Epoch 6/499: 62%|███████| 99/160 [10:23<06:26, 6.34s/it]print_dice: 0.5580644011497498
, print_iou: 0.387024462223053
153 print_dice: 0.5014176964759827, print_iou: 0.3345947265625
154 Epoch 6/499: 63%|███████| 101/160 [10:35<06:13, 6.33s/it]print_dice: 0.5449117422103882
, print_iou: 0.37448710203170776
155 [100/160] eta: 0:06:17 time: 6.2970 data: 0.0005
156 Epoch 6/499: 64%|███████| 102/160 [10:42<06:05, 6.31s/it]print_dice: 0.5133390426635742
, print_iou: 0.34529662132263184
157 Epoch 6/499: 64%|███████| 103/160 [10:48<05:58, 6.30s/it]print_dice: 0.5409354567527771
, print_iou: 0.37074124813079834
158 Epoch 6/499: 65%|███████| 104/160 [10:54<05:53, 6.31s/it]print_dice: 0.49130716919898987
, print_iou: 0.3256509006023407
159 Epoch 6/499: 66%|███████| 105/160 [11:01<05:48, 6.34s/it]print_dice: 0.47940951585769653
, print_iou: 0.3152785003185272
160 Epoch 6/499: 66%|███████| 106/160 [11:07<05:41, 6.33s/it]print_dice: 0.49013009667396545
, print_iou: 0.3246174454689026
161 Epoch 6/499: 67%|███████| 107/160 [11:13<05:33, 6.29s/it]print_dice: 0.5155184268951416
, print_iou: 0.34727171063423157
162 print_dice: 0.5687897801399231, print_iou: 0.3974187672138214
163 Epoch 6/499: 68%|███████| 109/160 [11:26<05:21, 6.30s/it]print_dice: 0.5521450042724609
, print_iou: 0.38135379552841187
164 print_dice: 0.5558152794837952, print_iou: 0.38486436009407043
165 Epoch 6/499: 69%|███████| 111/160 [11:38<05:09, 6.33s/it]print_dice: 0.5928657054901123
, print_iou: 0.42132845520973206
166 Epoch 6/499: 70%|███████| 112/160 [11:45<05:08, 6.43s/it]print_dice: 0.5272819995880127
, print_iou: 0.3580332398414612
167 print_dice: 0.530286967754364, print_iou: 0.36080989241600037
168 Epoch 6/499: 71%|███████| 114/160 [11:58<04:55, 6.41s/it]print_dice: 0.5345531702041626
, print_iou: 0.36477145552635193
169 print_dice: 0.4398966431617737, print_iou: 0.28196635842323303
170 Epoch 6/499: 72%|███████| 116/160 [12:10<04:39, 6.35s/it]print_dice: 0.571672260761261
, print_iou: 0.40023884177207947
171 Epoch 6/499: 73%|███████| 117/160 [12:17<04:30, 6.30s/it]print_dice: 0.552136242389679
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171 , print_iou: 0.3813454508781433
172 Epoch 6/499: 74%|██████████| 118/160 [12:23<04:24, 6.29s/it]print_dice: 0.5803806781768799
, print_iou: 0.40882837772369385
173 print_dice: 0.5326949954032898, print_iou: 0.3630431592464447
174 Epoch 6/499: 75%|██████████| 120/160 [12:36<04:15, 6.38s/it]print_dice: 0.5714992880821228
, print_iou: 0.40006932616233826
175 Epoch 6/499: 76%|██████████| 121/160 [12:42<04:05, 6.29s/it]print_dice: 0.49158427119255066
, print_iou: 0.32589441537857056
176 print_dice: 0.5562539100646973, print_iou: 0.3852851092815399
177 Epoch 6/499: 77%|██████████| 123/160 [12:54<03:51, 6.27s/it]print_dice: 0.49609291553497314
, print_iou: 0.3298693895339966
178 print_dice: 0.47671476006507874, print_iou: 0.3129517436027527
179 Epoch 6/499: 78%|██████████| 125/160 [13:07<03:37, 6.21s/it]print_dice: 0.4963095784187317
, print_iou: 0.3300609886646271
180 Epoch 6/499: 79%|██████████| 126/160 [13:13<03:31, 6.21s/it]print_dice: 0.527130663394928
, print_iou: 0.3578937351703644
181 Epoch 6/499: 79%|██████████| 127/160 [13:19<03:26, 6.26s/it]print_dice: 0.5124649405479431
, print_iou: 0.3445061147212982
182 Epoch 6/499: 80%|██████████| 128/160 [13:25<03:18, 6.20s/it]print_dice: 0.5348927974700928
, print_iou: 0.3650878071784973
183 Epoch 6/499: 81%|██████████| 129/160 [13:31<03:12, 6.21s/it]print_dice: 0.5392863750457764
, print_iou: 0.36919376254081726
184 print_dice: 0.5174720287322998, print_iou: 0.34904706478118896
185 Epoch 6/499: 82%|██████████| 131/160 [13:44<02:59, 6.18s/it]print_dice: 0.4925365746021271
, print_iou: 0.3267320394515991
186 Epoch 6/499: 82%|██████████| 132/160 [13:50<02:52, 6.17s/it]print_dice: 0.5246331691741943
, print_iou: 0.35559508204460144
187 Epoch 6/499: 83%|██████████| 133/160 [13:56<02:46, 6.18s/it]print_dice: 0.4690917134284973
, print_iou: 0.30641400814056396
188 Epoch 6/499: 84%|██████████| 134/160 [14:02<02:40, 6.16s/it]print_dice: 0.5252999663352966
, print_iou: 0.35620802640914917
189 print_dice: 0.4806933104991913, print_iou: 0.31638991832733154
190 Epoch 6/499: 85%|██████████| 136/160 [14:15<02:27, 6.16s/it]print_dice: 0.4799439013004303
, print_iou: 0.3157409131526947
191 Epoch 6/499: 86%|██████████| 137/160 [14:21<02:22, 6.18s/it]print_dice: 0.5140446424484253
, print_iou: 0.3459354341030121
192 Epoch 6/499: 86%|██████████| 138/160 [14:27<02:16, 6.21s/it]print_dice: 0.5589956641197205
, print_iou: 0.3879208564758301
193 Epoch 6/499: 87%|██████████| 139/160 [14:33<02:10, 6.22s/it]print_dice: 0.4583423137664795
, print_iou: 0.2973048686981201
194 Epoch 6/499: 88%|██████████| 140/160 [14:40<02:05, 6.26s/it]print_dice: 0.5204495191574097
, print_iou: 0.35176190733909607
195 Epoch 6/499: 88%|██████████| 141/160 [14:46<01:59, 6.29s/it]print_dice: 0.5475361347198486
, print_iou: 0.3769705891609192
196 print_dice: 0.5213146209716797, print_iou: 0.35255277156829834
197 Epoch 6/499: 89%|██████████| 143/160 [14:59<01:46, 6.28s/it]print_dice: 0.5752392411231995
, print_iou: 0.4037444591522217
198 print_dice: 0.5121423006057739, print_iou: 0.3442145884037018
199 Epoch 6/499: 91%|██████████| 145/160 [15:11<01:34, 6.28s/it]print_dice: 0.4615378677845001
, print_iou: 0.29999950528144836
200 Epoch 6/499: 91%|██████████| 146/160 [15:17<01:27, 6.25s/it]print_dice: 0.43336987495422363
, print_iou: 0.27662551403045654
201 Epoch 6/499: 92%|██████████| 147/160 [15:24<01:21, 6.25s/it]print_dice: 0.5677671432495117
, print_iou: 0.396420955657959
202 print_dice: 0.4726220369338989, print_iou: 0.30943357944488525
203 Epoch 6/499: 93%|██████████| 149/160 [15:36<01:08, 6.26s/it]print_dice: 0.44454190135002136
, print_iou: 0.28579485416412354
204 Epoch 6/499: 94%|██████████| 150/160 [15:42<01:02, 6.26s/it]print_dice: 0.4514348804950714
, print_iou: 0.2915181815624237
205 Epoch 6/499: 94%|██████████| 151/160 [15:49<00:56, 6.29s/it]print_dice: 0.4409714639186859
, print_iou: 0.28285014629364014
206 Epoch 6/499: 95%|██████████| 152/160 [15:55<00:50, 6.26s/it]print_dice: 0.5696744918823242
, print_iou: 0.39828312397003174
207 Epoch 6/499: 96%|██████████| 153/160 [16:01<00:43, 6.27s/it]print_dice: 0.5029876232147217
, print_iou: 0.33599430322647095
208 print_dice: 0.4964822232723236, print_iou: 0.330213725566864
209 Epoch 6/499: 97%|██████████| 155/160 [16:14<00:31, 6.24s/it]print_dice: 0.5009828209877014
, print_iou: 0.33420753479003906
210 Epoch 6/499: 98%|██████████| 156/160 [16:20<00:25, 6.26s/it]print_dice: 0.47891122102737427
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210 , print_iou: 0.3148476481437683
211 print_dice: 0.4772615432739258, print_iou: 0.31342318654060364
212 Epoch 6/499: 99%|██████████ 158/160 [16:32<00:12, 6.26s/it]print_dice: 0.5030248761177063
    , print_iou: 0.3360275328159332
213 print_dice: 0.5107107162475586, print_iou: 0.3429224193096161
214 Epoch 6/499: 100%|██████████ 160/160 [16:45<00:00, 6.19s/it]print_dice: 0.46094274520874023
    , print_iou: 0.2994968295097351
215 [159/160] eta: 0:00:06 time: 6.2497 data: 0.0007
216 Epoch 6/499: 100%|██████████ 160/160 [16:46<00:00, 6.29s/it]
217 Total time: 0:16:46 (6.2895 s / it)
218 Averaged stats: training_loss: -428.5968 (-428.5968) loss_mask: -428.3921 (-428.3921)
    loss_dice: -0.2047 (-0.2047)
219 0%|██████████ 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8391417466337
220 Validating...
221 Valid_dataloader len: 12
222 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0072, 0.0076
    , 0.0078, ..., 0.9971, 0.9973, 0.9973],
223 grad_fn=<Unique2Backward0>)
224 8%|██████████ 1/12 [00:10<01:51, 10.11s/it]print_dice: 0.5187859535217285, print_iou: 0.
    35024377703666687
225 [ 0/12] eta: 0:02:01 time: 10.1119 data: 5.9261
226 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0070, 0.0070
    , 0.0070, ..., 0.9972, 0.9973, 0.9973],
227 grad_fn=<Unique2Backward0>)
228 print_dice: 0.5614133477210999, print_iou: 0.3902533948421478
229 17%|██████████ 2/12 [00:14<01:07, 6.73s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32])
    unique sigmoid values: tensor([0.0061, 0.0061, 0.0061, ..., 0.9962, 0.9963, 0.9963],
230 grad_fn=<Unique2Backward0>)
231 25%|██████████ 3/12 [00:18<00:49, 5.53s/it]print_dice: 0.5020169019699097, print_iou: 0.
    3351285457611084
232 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0061, 0.0061
    , 0.0061, ..., 0.9962, 0.9963, 0.9963],
233 grad_fn=<Unique2Backward0>)
234 33%|██████████ 4/12 [00:22<00:39, 4.96s/it]print_dice: 0.5008929967880249, print_iou: 0.
    3341275751590729
235 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0082, 0.0083
    , 0.0084, ..., 0.9969, 0.9969, 0.9970],
236 grad_fn=<Unique2Backward0>)
237 print_dice: 0.5460817813873291, print_iou: 0.3755931556224823
238 42%|██████████ 5/12 [00:26<00:32, 4.64s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32])
    unique sigmoid values: tensor([0.0051, 0.0052, 0.0055, ..., 0.9960, 0.9961, 0.9962],
239 grad_fn=<Unique2Backward0>)
240 50%|██████████ 6/12 [00:30<00:26, 4.47s/it]print_dice: 0.485590398311615, print_iou: 0.
    3206466734409332
241 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0061, 0.0061
    , 0.0061, ..., 0.9962, 0.9963, 0.9963],
242 grad_fn=<Unique2Backward0>)
243 58%|██████████ 7/12 [00:35<00:22, 4.40s/it]print_dice: 0.44140756130218506, print_iou: 0.
    28320908546447754
244 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0149, 0.0150
    , 0.0151, ..., 0.9907, 0.9908, 0.9910],
245 grad_fn=<Unique2Backward0>)
246 print_dice: 0.5231125950813293, print_iou: 0.3541993498802185
247 67%|██████████ 8/12 [00:39<00:17, 4.30s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32])
    unique sigmoid values: tensor([0.0069, 0.0072, 0.0073, ..., 0.9966, 0.9967, 0.9967],
248 grad_fn=<Unique2Backward0>)
249 75%|██████████ 9/12 [00:43<00:12, 4.26s/it]print_dice: 0.5300710201263428, print_iou: 0.
    3606099486351013
250 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0076, 0.0077
    , 0.0079, ..., 0.9965, 0.9966, 0.9966],
251 grad_fn=<Unique2Backward0>)
252 83%|██████████ 10/12 [00:47<00:08, 4.19s/it]print_dice: 0.5375982522964478, print_iou: 0.
    3676132261753082
253 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0241, 0.0245
    , 0.0248, ..., 0.9883, 0.9885, 0.9887],
254 grad_fn=<Unique2Backward0>)
255 92%|██████████ 11/12 [00:51<00:04, 4.17s/it]print_dice: 0.5863491296768188, print_iou: 0.
    414776474237442
256 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0061, 0.0061

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256 , 0.0061, ..., 0.9962, 0.9963, 0.9963],
257     grad_fn=<Unique2Backward0>)
258 100%|██████████| 12/12 [00:55<00:00, 4.12s/it]print_dice: 0.55364990234375, print_iou: 0.
38279107213020325
259 [11/12] eta: 0:00:04 time: 4.6294 data: 0.4942
260 100%|██████████| 12/12 [00:55<00:00, 4.66s/it]
261 Total time: 0:00:55 (4.6624 s / it)
262 =====
263 Averaged stats:
264 Epoch 7/499: 0%|██████████| 0/160 [00:00<?, ?it/s]epoch: 7 learning rate: 1e-06
265 Epoch 7/499: 1%|██████████| 1/160 [00:10<28:10, 10.63s/it]print_dice: 0.4200597405433655
, print_iou: 0.2658706605434418
266 [ 0/160] eta: 0:28:21 time: 10.6317 data: 4.3498
267 Epoch 7/499: 1%|██████████| 2/160 [00:16<21:18, 8.09s/it]print_dice: 0.5485722422599792
, print_iou: 0.37795349955558777
268 Epoch 7/499: 2%|██████████| 3/160 [00:23<19:02, 7.28s/it]print_dice: 0.5283056497573853
, print_iou: 0.3589778244495392
269 Epoch 7/499: 2%|██████████| 4/160 [00:29<17:52, 6.87s/it]print_dice: 0.5667191743850708
, print_iou: 0.39539992809295654
270 Epoch 7/499: 3%|██████████| 5/160 [00:35<17:13, 6.67s/it]print_dice: 0.4633776545524597
, print_iou: 0.30155596137046814
271 print_dice: 0.5040026903152466, print_iou: 0.3369008004665375
272 Epoch 7/499: 4%|██████████| 7/160 [00:48<16:21, 6.42s/it]print_dice: 0.4022875130176544
, print_iou: 0.2517896890640259
273 Epoch 7/499: 5%|██████████| 8/160 [00:54<16:10, 6.38s/it]print_dice: 0.42966413497924805
, print_iou: 0.2736128866672516
274 Epoch 7/499: 6%|██████████| 9/160 [01:00<15:58, 6.35s/it]print_dice: 0.5010150074958801
, print_iou: 0.33423617482185364
275 Epoch 7/499: 6%|██████████| 10/160 [01:07<15:45, 6.31s/it]print_dice: 0.496698796749115
, print_iou: 0.3304053544998169
276 Epoch 7/499: 7%|██████████| 11/160 [01:13<15:42, 6.32s/it]print_dice: 0.5437355637550354
, print_iou: 0.37337690591812134
277 print_dice: 0.513583779335022, print_iou: 0.3455181419849396
278 Epoch 7/499: 8%|██████████| 13/160 [01:25<15:28, 6.31s/it]print_dice: 0.5141265988349915
, print_iou: 0.34600967168807983
279 print_dice: 0.5191711187362671, print_iou: 0.3505949079990387
280 Epoch 7/499: 9%|██████████| 15/160 [01:38<15:17, 6.32s/it]print_dice: 0.49317699670791626
, print_iou: 0.3272958993911743
281 Epoch 7/499: 10%|██████████| 16/160 [01:44<15:03, 6.27s/it]print_dice: 0.42434534430503845
, print_iou: 0.26931366324424744
282 Epoch 7/499: 11%|██████████| 17/160 [01:51<14:59, 6.29s/it]print_dice: 0.47737589478492737
, print_iou: 0.3135218322277069
283 Epoch 7/499: 11%|██████████| 18/160 [01:57<14:48, 6.26s/it]print_dice: 0.5087152123451233
, print_iou: 0.3411254286766052
284 Epoch 7/499: 12%|██████████| 19/160 [02:03<14:44, 6.27s/it]print_dice: 0.48347359895706177
, print_iou: 0.3188032805919647
285 Epoch 7/499: 12%|██████████| 20/160 [02:09<14:36, 6.26s/it]print_dice: 0.45924612879753113
, print_iou: 0.29806584119796753
286 Epoch 7/499: 13%|██████████| 21/160 [02:16<14:37, 6.31s/it]print_dice: 0.5719200372695923
, print_iou: 0.40048179030418396
287 Epoch 7/499: 14%|██████████| 22/160 [02:22<14:28, 6.29s/it]print_dice: 0.48483848571777344
, print_iou: 0.3199912905693054
288 Epoch 7/499: 14%|██████████| 23/160 [02:28<14:27, 6.33s/it]print_dice: 0.5252611041069031
, print_iou: 0.3561722934246063
289 Epoch 7/499: 15%|██████████| 24/160 [02:35<14:21, 6.33s/it]print_dice: 0.5311777591705322
, print_iou: 0.36163514852523804
290 print_dice: 0.4772147238254547, print_iou: 0.3133828043937683
291 Epoch 7/499: 16%|██████████| 26/160 [02:47<14:03, 6.29s/it]print_dice: 0.5067685842514038
, print_iou: 0.33937710523605347
292 Epoch 7/499: 17%|██████████| 27/160 [02:54<13:58, 6.31s/it]print_dice: 0.4968872368335724
, print_iou: 0.3305721580982208
293 Epoch 7/499: 18%|██████████| 28/160 [03:00<13:51, 6.30s/it]print_dice: 0.5017998814582825
, print_iou: 0.33493512868881226
294 print_dice: 0.4890986680984497, print_iou: 0.32371318340301514
295 Epoch 7/499: 19%|██████████| 30/160 [03:12<13:37, 6.29s/it]print_dice: 0.5494136810302734
, print_iou: 0.37875282764434814
296 print_dice: 0.4664454162120819, print_iou: 0.30415964126586914
297 Epoch 7/499: 20%|██████████| 32/160 [03:25<13:30, 6.33s/it]print_dice: 0.5545275211334229
, print_iou: 0.383630633354187

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298 print_dice: 0.5271598100662231, print_iou: 0.3579205870628357
299 Epoch 7/499: 21%|██████| 34/160 [03:38<13:16, 6.32s/it]print_dice: 0.5165438055992126
, print_iou: 0.3482029438018799
300 Epoch 7/499: 22%|██████| 35/160 [03:44<13:16, 6.37s/it]print_dice: 0.5043790936470032
, print_iou: 0.33723726868629456
301 Epoch 7/499: 22%|██████| 36/160 [03:51<13:14, 6.41s/it]print_dice: 0.479571133852005
, print_iou: 0.3154183328151703
302 Epoch 7/499: 23%|██████| 37/160 [03:57<13:04, 6.38s/it]print_dice: 0.526479959487915
, print_iou: 0.35729408264160156
303 print_dice: 0.46307849884033203, print_iou: 0.30130264163017273
304 Epoch 7/499: 24%|██████| 39/160 [04:10<12:40, 6.28s/it]print_dice: 0.5796844363212585
, print_iou: 0.4081377387046814
305 Epoch 7/499: 25%|██████| 40/160 [04:16<12:29, 6.25s/it]print_dice: 0.5396028161048889
, print_iou: 0.36949047446250916
306 Epoch 7/499: 26%|██████| 41/160 [04:22<12:25, 6.26s/it]print_dice: 0.4617787003517151
, print_iou: 0.30020302534103394
307 Epoch 7/499: 26%|██████| 42/160 [04:28<12:18, 6.25s/it]print_dice: 0.5268133282661438
, print_iou: 0.35760122537612915
308 Epoch 7/499: 27%|██████| 43/160 [04:34<12:09, 6.23s/it]print_dice: 0.6116860508918762
, print_iou: 0.440596342086792
309 Epoch 7/499: 28%|██████| 44/160 [04:41<12:00, 6.21s/it]print_dice: 0.5053561925888062
, print_iou: 0.3381114602088928
310 print_dice: 0.5308914184570312, print_iou: 0.3613697588443756
311 Epoch 7/499: 29%|██████| 46/160 [04:53<11:55, 6.28s/it]print_dice: 0.571832537651062
, print_iou: 0.4003960192203522
312 print_dice: 0.5136910676956177, print_iou: 0.3456152677536011
313 Epoch 7/499: 30%|██████| 48/160 [05:06<11:35, 6.21s/it]print_dice: 0.5043767690658569
, print_iou: 0.3372352123260498
314 print_dice: 0.5616726279258728, print_iou: 0.39050403237342834
315 Epoch 7/499: 31%|██████| 50/160 [05:18<11:28, 6.26s/it]print_dice: 0.5341718196868896
, print_iou: 0.3644163906574249
316 Epoch 7/499: 32%|██████| 51/160 [05:25<11:24, 6.28s/it]print_dice: 0.43394508957862854
, print_iou: 0.27709442377090454
317 Epoch 7/499: 32%|██████| 52/160 [05:31<11:19, 6.30s/it]print_dice: 0.5011577010154724
, print_iou: 0.3343631625175476
318 Epoch 7/499: 33%|██████| 53/160 [05:37<11:15, 6.31s/it]print_dice: 0.5611637830734253
, print_iou: 0.390012264251709
319 Epoch 7/499: 34%|██████| 54/160 [05:44<11:08, 6.31s/it]print_dice: 0.4913458526134491
, print_iou: 0.32568487524986267
320 Epoch 7/499: 34%|██████| 55/160 [05:50<11:02, 6.31s/it]print_dice: 0.4959958791732788
, print_iou: 0.3297835886478424
321 print_dice: 0.5144234299659729, print_iou: 0.3462786376476288
322 Epoch 7/499: 36%|██████| 57/160 [06:02<10:51, 6.32s/it]print_dice: 0.4564056694507599
, print_iou: 0.29567721486091614
323 print_dice: 0.5467366576194763, print_iou: 0.37621304392814636
324 Epoch 7/499: 37%|██████| 59/160 [06:15<10:39, 6.33s/it]print_dice: 0.48746156692504883
, print_iou: 0.3222804367542267
325 Epoch 7/499: 38%|██████| 60/160 [06:21<10:28, 6.29s/it]print_dice: 0.5249260067939758
, print_iou: 0.35586419701576233
326 print_dice: 0.5408682227134705, print_iou: 0.3706781268119812
327 Epoch 7/499: 39%|██████| 62/160 [06:34<10:13, 6.26s/it]print_dice: 0.4645650088787079
, print_iou: 0.3025624752044678
328 print_dice: 0.5228295922279358, print_iou: 0.3539399206638336
329 Epoch 7/499: 40%|██████| 64/160 [06:46<09:53, 6.19s/it]print_dice: 0.5186027884483337
, print_iou: 0.350076824426651
330 Epoch 7/499: 41%|██████| 65/160 [06:52<09:48, 6.19s/it]print_dice: 0.524829626083374
, print_iou: 0.3557756245136261
331 print_dice: 0.494718074798584, print_iou: 0.32865476608276367
332 Epoch 7/499: 42%|██████| 67/160 [07:05<09:35, 6.19s/it]print_dice: 0.5187898278236389
, print_iou: 0.35024726390838623
333 Epoch 7/499: 42%|██████| 68/160 [07:11<09:33, 6.23s/it]print_dice: 0.5184106826782227
, print_iou: 0.3499017655849457
334 print_dice: 0.5066357851028442, print_iou: 0.33925801515579224
335 Epoch 7/499: 44%|██████| 70/160 [07:24<09:23, 6.26s/it]print_dice: 0.5492278337478638
, print_iou: 0.3785761892795563
336 Epoch 7/499: 44%|██████| 71/160 [07:30<09:20, 6.30s/it]print_dice: 0.5151813626289368
, print_iou: 0.34696584939956665
337 print_dice: 0.5298644304275513, print_iou: 0.36041876673698425
338 Epoch 7/499: 46%|██████| 73/160 [07:43<09:09, 6.32s/it]print_dice: 0.4817727208137512
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338 , print_iou: 0.3173258304595947
339 Epoch 7/499: 46%|██████| 74/160 [07:49<09:02, 6.31s/it]print_dice: 0.5764608979225159
, print_iou: 0.4049490988254547
340 print_dice: 0.5738016366958618, print_iou: 0.4023294746875763
341 Epoch 7/499: 48%|██████| 76/160 [08:01<08:47, 6.28s/it]print_dice: 0.562354564666748
, print_iou: 0.3911636173725128
342 Epoch 7/499: 48%|██████| 77/160 [08:08<08:42, 6.30s/it]print_dice: 0.5089648365974426
, print_iou: 0.3413499891757965
343 Epoch 7/499: 49%|██████| 78/160 [08:14<08:34, 6.27s/it]print_dice: 0.45964932441711426
, print_iou: 0.29840564727783203
344 Epoch 7/499: 49%|██████| 79/160 [08:20<08:26, 6.25s/it]print_dice: 0.544075608253479
, print_iou: 0.3736977279186249
345 Epoch 7/499: 50%|██████| 80/160 [08:26<08:20, 6.25s/it]print_dice: 0.5263969302177429
, print_iou: 0.35721758008003235
346 Epoch 7/499: 51%|██████| 81/160 [08:33<08:12, 6.24s/it]print_dice: 0.47338080406188965
, print_iou: 0.31008440256118774
347 print_dice: 0.45272350311279297, print_iou: 0.2925938069820404
348 Epoch 7/499: 52%|██████| 83/160 [08:45<08:00, 6.25s/it]print_dice: 0.5017001628875732
, print_iou: 0.3348463177680969
349 Epoch 7/499: 52%|██████| 84/160 [08:51<07:56, 6.27s/it]print_dice: 0.49608686566352844
, print_iou: 0.3298640549182892
350 Epoch 7/499: 53%|██████| 85/160 [08:58<07:50, 6.28s/it]print_dice: 0.4785716235637665
, print_iou: 0.3145541846752167
351 Epoch 7/499: 54%|██████| 86/160 [09:04<07:45, 6.30s/it]print_dice: 0.5527077317237854
, print_iou: 0.3818908929824829
352 Epoch 7/499: 54%|██████| 87/160 [09:10<07:38, 6.28s/it]print_dice: 0.4433729350566864
, print_iou: 0.2848292589187622
353 Epoch 7/499: 55%|██████| 88/160 [09:17<07:30, 6.26s/it]print_dice: 0.5106267333030701
, print_iou: 0.34284675121307373
354 print_dice: 0.5976731181144714, print_iou: 0.4262010157108307
355 Epoch 7/499: 56%|██████| 90/160 [09:29<07:22, 6.32s/it]print_dice: 0.45781633257865906
, print_iou: 0.29686239361763
356 print_dice: 0.5375796556472778, print_iou: 0.3675958514213562
357 Epoch 7/499: 57%|██████| 92/160 [09:42<07:07, 6.29s/it]print_dice: 0.4948359429836273
, print_iou: 0.3287588059902191
358 Epoch 7/499: 58%|██████| 93/160 [09:48<07:00, 6.28s/it]print_dice: 0.5275838375091553
, print_iou: 0.35831162333488464
359 print_dice: 0.5071594715118408, print_iou: 0.33972784876823425
360 Epoch 7/499: 59%|██████| 95/160 [10:01<06:51, 6.33s/it]print_dice: 0.588516354560852
, print_iou: 0.4169487953186035
361 print_dice: 0.42367902398109436, print_iou: 0.26877713203430176
362 Epoch 7/499: 61%|██████| 97/160 [10:14<06:40, 6.35s/it]print_dice: 0.5404934883117676
, print_iou: 0.3703261613845825
363 Epoch 7/499: 61%|██████| 98/160 [10:20<06:32, 6.33s/it]print_dice: 0.5850540399551392
, print_iou: 0.4134815037250519
364 print_dice: 0.5692539811134338, print_iou: 0.3978721499443054
365 Epoch 7/499: 62%|██████| 100/160 [10:32<06:17, 6.29s/it]print_dice: 0.5277526378631592
, print_iou: 0.35846734046936035
366 print_dice: 0.5449144840240479, print_iou: 0.3744896650314331
367 [100/160] eta: 0:06:19 time: 6.2995 data: 0.0008
368 Epoch 7/499: 64%|██████| 102/160 [10:45<06:03, 6.28s/it]print_dice: 0.5025777220726013
, print_iou: 0.33562856912612915
369 Epoch 7/499: 64%|██████| 103/160 [10:51<05:59, 6.31s/it]print_dice: 0.5019945502281189
, print_iou: 0.3351086378097534
370 print_dice: 0.5430372357368469, print_iou: 0.3727186918258667
371 Epoch 7/499: 66%|██████| 105/160 [11:04<05:47, 6.32s/it]print_dice: 0.6035540699958801
, print_iou: 0.43220728635787964
372 print_dice: 0.526406466960907, print_iou: 0.3572263717651367
373 Epoch 7/499: 67%|██████| 107/160 [11:16<05:34, 6.31s/it]print_dice: 0.4900418221950531
, print_iou: 0.32454001903533936
374 Epoch 7/499: 68%|██████| 108/160 [11:23<05:27, 6.29s/it]print_dice: 0.5206031799316406
, print_iou: 0.3519023060798645
375 print_dice: 0.5570313930511475, print_iou: 0.3860315680503845
376 Epoch 7/499: 69%|██████| 110/160 [11:35<05:14, 6.29s/it]print_dice: 0.4910903871059418
, print_iou: 0.32546043395996094
377 Epoch 7/499: 69%|██████| 111/160 [11:42<05:07, 6.28s/it]print_dice: 0.4312117099761963
, print_iou: 0.27486926317214966
378 Epoch 7/499: 70%|██████| 112/160 [11:48<05:00, 6.27s/it]print_dice: 0.48987871408462524
, print_iou: 0.32439693808555603
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379 print_dice: 0.534842848777771, print_iou: 0.3650412857532501
380 Epoch 7/499: 71%|███████ | 114/160 [12:00<04:49, 6.29s/it]print_dice: 0.5786340832710266
, print_iou: 0.4070971608161926
381 print_dice: 0.5258608460426331, print_iou: 0.35672399401664734
382 Epoch 7/499: 72%|███████ | 116/160 [12:13<04:36, 6.28s/it]print_dice: 0.46749499440193176
, print_iou: 0.30505281686782837
383 Epoch 7/499: 73%|███████ | 117/160 [12:19<04:31, 6.32s/it]print_dice: 0.4649854302406311
, print_iou: 0.3029192090034485
384 print_dice: 0.46117690205574036, print_iou: 0.2996945381164551
385 Epoch 7/499: 74%|███████ | 119/160 [12:32<04:16, 6.26s/it]print_dice: 0.48948368430137634
, print_iou: 0.32405057549476624
386 Epoch 7/499: 75%|███████ | 120/160 [12:38<04:10, 6.26s/it]print_dice: 0.5364362001419067
, print_iou: 0.36652737855911255
387 print_dice: 0.5095285177230835, print_iou: 0.34185728430747986
388 Epoch 7/499: 76%|███████ | 122/160 [12:51<03:58, 6.27s/it]print_dice: 0.43726056814193726
, print_iou: 0.2798038721084595
389 print_dice: 0.5340434908866882, print_iou: 0.36429697275161743
390 Epoch 7/499: 78%|███████ | 124/160 [13:03<03:45, 6.26s/it]print_dice: 0.5082702040672302
, print_iou: 0.3407253921031952
391 print_dice: 0.5925467014312744, print_iou: 0.42100629210472107
392 Epoch 7/499: 79%|███████ | 126/160 [13:16<03:31, 6.22s/it]print_dice: 0.5617877244949341
, print_iou: 0.3906152844429016
393 Epoch 7/499: 79%|███████ | 127/160 [13:22<03:26, 6.25s/it]print_dice: 0.5130153298377991
, print_iou: 0.34500378370285034
394 print_dice: 0.5238059163093567, print_iou: 0.3548353612422943
395 Epoch 7/499: 81%|███████ | 129/160 [13:34<03:11, 6.19s/it]print_dice: 0.540296196937561
, print_iou: 0.3701409697532654
396 Epoch 7/499: 81%|███████ | 130/160 [13:40<03:06, 6.20s/it]print_dice: 0.5064226984977722
, print_iou: 0.3390669524669647
397 Epoch 7/499: 82%|███████ | 131/160 [13:47<03:03, 6.34s/it]print_dice: 0.47321754693984985
, print_iou: 0.3099443316459656
398 print_dice: 0.5505840182304382, print_iou: 0.3798661231994629
399 Epoch 7/499: 83%|███████ | 133/160 [14:00<02:53, 6.42s/it]print_dice: 0.5321779847145081
, print_iou: 0.36256298422813416
400 print_dice: 0.46777552366256714, print_iou: 0.3052917718887329
401 Epoch 7/499: 84%|███████ | 135/160 [14:13<02:39, 6.38s/it]print_dice: 0.593332052230835
, print_iou: 0.4217996299266815
402 print_dice: 0.5466368794441223, print_iou: 0.37611860036849976
403 Epoch 7/499: 86%|███████ | 137/160 [14:25<02:24, 6.29s/it]print_dice: 0.40934842824935913
, print_iou: 0.25734639167785645
404 Epoch 7/499: 86%|███████ | 138/160 [14:31<02:18, 6.29s/it]print_dice: 0.4798544645309448
, print_iou: 0.31566351652145386
405 print_dice: 0.5037530064582825, print_iou: 0.3366777002811432
406 Epoch 7/499: 88%|███████ | 140/160 [14:44<02:06, 6.30s/it]print_dice: 0.5347358584403992
, print_iou: 0.36494162678718567
407 Epoch 7/499: 88%|███████ | 141/160 [14:50<02:00, 6.32s/it]print_dice: 0.5473135113716125
, print_iou: 0.3767595589160919
408 Epoch 7/499: 89%|███████ | 142/160 [14:57<01:53, 6.32s/it]print_dice: 0.4400582015514374
, print_iou: 0.2820990979671478
409 Epoch 7/499: 89%|███████ | 143/160 [15:03<01:47, 6.30s/it]print_dice: 0.45261716842651367
, print_iou: 0.2925049662590027
410 Epoch 7/499: 90%|███████ | 144/160 [15:09<01:40, 6.25s/it]print_dice: 0.4777325391769409
, print_iou: 0.31382957100868225
411 Epoch 7/499: 91%|███████ | 145/160 [15:15<01:33, 6.26s/it]print_dice: 0.5142472982406616
, print_iou: 0.3461190164089203
412 Epoch 7/499: 91%|███████ | 146/160 [15:22<01:27, 6.26s/it]print_dice: 0.4625864028930664
, print_iou: 0.3008860945701599
413 Epoch 7/499: 92%|███████ | 147/160 [15:28<01:21, 6.26s/it]print_dice: 0.5272653698921204
, print_iou: 0.3580179214477539
414 print_dice: 0.48890945315361023, print_iou: 0.3235474228858948
415 Epoch 7/499: 93%|███████ | 149/160 [15:41<01:09, 6.28s/it]print_dice: 0.4345207214355469
, print_iou: 0.27756401896476746
416 Epoch 7/499: 94%|███████ | 150/160 [15:47<01:03, 6.31s/it]print_dice: 0.5245380997657776
, print_iou: 0.3555077016353607
417 Epoch 7/499: 94%|███████ | 151/160 [15:53<00:56, 6.31s/it]print_dice: 0.5149102210998535
, print_iou: 0.3467199504375458
418 print_dice: 0.5013793706893921, print_iou: 0.3345605731010437
419 Epoch 7/499: 96%|███████ | 153/160 [16:06<00:43, 6.28s/it]print_dice: 0.5450501441955566
, print_iou: 0.3746178150177002
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420 print_dice: 0.5469937920570374, print_iou: 0.3764565885066986
421 Epoch 7/499: 97%|██████████| 155/160 [16:19<00:31, 6.31s/it]print_dice: 0.48147737979888916
, print_iou: 0.3170696198940277
422 print_dice: 0.47450950741767883, print_iou: 0.31105372309684753
423 Epoch 7/499: 98%|██████████| 157/160 [16:31<00:19, 6.34s/it]print_dice: 0.5179349184036255
, print_iou: 0.3494684100151062
424 Epoch 7/499: 99%|██████████| 158/160 [16:38<00:12, 6.34s/it]print_dice: 0.5064277052879333
, print_iou: 0.3390714228153229
425 print_dice: 0.5188559889793396, print_iou: 0.3503075838088989
426 Epoch 7/499: 100%|██████████| 160/160 [16:50<00:00, 6.24s/it]print_dice: 0.5646401643753052
, print_iou: 0.3933788239955902
427 [159/160] eta: 0:00:06 time: 6.2888 data: 0.0006
428 Epoch 7/499: 100%|██████████| 160/160 [16:51<00:00, 6.32s/it]
429 Total time: 0:16:51 (6.3203 s / it)
430 Averaged stats: training_loss: -75.3198 (-75.3198) loss_mask: -75.4151 (-75.4151) loss_dice
: 0.0953 (0.0953)
431 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8385943594621
432 Validating...
433 Valid_dataloader len: 12
434 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0146, 0.0148
, 0.0149, ..., 0.9918, 0.9919, 0.9920],
435 grad_fn=<Unique2Backward0>)
436 8%|██████████| 1/12 [00:09<01:41, 9.20s/it]print_dice: 0.5347662568092346, print_iou: 0.
364969938993454
437 [ 0/12] eta: 0:01:50 time: 9.2019 data: 5.0393
438 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0046, 0.0046
, 0.0047, ..., 0.9975, 0.9976, 0.9976],
439 grad_fn=<Unique2Backward0>)
440 17%|██████████| 2/12 [00:13<01:03, 6.35s/it]print_dice: 0.5715522766113281, print_iou: 0.
4001212418079376
441 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0046, 0.0046
, 0.0047, ..., 0.9975, 0.9976, 0.9976],
442 grad_fn=<Unique2Backward0>)
443 25%|██████████| 3/12 [00:17<00:48, 5.37s/it]print_dice: 0.5146045684814453, print_iou: 0.
3464428186416626
444 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0046, 0.0046
, 0.0047, ..., 0.9975, 0.9976, 0.9976],
445 grad_fn=<Unique2Backward0>)
446 33%|██████████| 4/12 [00:22<00:39, 4.93s/it]print_dice: 0.5103034973144531, print_iou: 0.
34255534410476685
447 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0046, 0.0046
, 0.0047, ..., 0.9975, 0.9976, 0.9976],
448 grad_fn=<Unique2Backward0>)
449 42%|██████████| 5/12 [00:26<00:32, 4.65s/it]print_dice: 0.5616024732589722, print_iou: 0.
39043620228767395
450 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0046, 0.0046
, 0.0047, ..., 0.9975, 0.9976, 0.9976],
451 grad_fn=<Unique2Backward0>)
452 50%|██████████| 6/12 [00:30<00:26, 4.45s/it]print_dice: 0.4963635802268982, print_iou: 0.
33010876178741455
453 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0201, 0.0207
, 0.0208, ..., 0.9915, 0.9916, 0.9917],
454 grad_fn=<Unique2Backward0>)
455 58%|██████████| 7/12 [00:34<00:21, 4.39s/it]print_dice: 0.443590372800827, print_iou: 0.
2850087583065033
456 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0038, 0.0041
, 0.0041, ..., 0.9982, 0.9982, 0.9983],
457 grad_fn=<Unique2Backward0>)
458 print_dice: 0.5285593271255493, print_iou: 0.35921213030815125
459 67%|██████████| 8/12 [00:38<00:17, 4.32s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32])
unique sigmoid values: tensor([0.0046, 0.0046, 0.0047, ..., 0.9975, 0.9976, 0.9976],
460 grad_fn=<Unique2Backward0>)
461 75%|██████████| 9/12 [00:42<00:12, 4.30s/it]print_dice: 0.5394997596740723, print_iou: 0.
36939379572868347
462 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0064, 0.0065
, 0.0069, ..., 0.9980, 0.9981, 0.9981],
463 grad_fn=<Unique2Backward0>)
464 83%|██████████| 10/12 [00:47<00:08, 4.25s/it]print_dice: 0.5490832328796387, print_iou: 0.
3784388601779938

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465 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0105, 0.0105
, 0.0106, ..., 0.9912, 0.9912, 0.9913],
466     grad_fn=<Unique2Backward0>)
467 print_dice: 0.5964334011077881, print_iou: 0.4249413013458252
468 92%|██████████| 11/12 [00:51<00:04, 4.17s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0115, 0.0115, 0.0118, ..., 0.9926, 0.9927, 0.9928],
469     grad_fn=<Unique2Backward0>)
470 100%|██████████| 12/12 [00:55<00:00, 4.13s/it]print_dice: 0.5606696605682373, print_iou: 0.
3895350992679596
471 [11/12] eta: 0:00:04 time: 4.5903 data: 0.4205
472 100%|██████████| 12/12 [00:55<00:00, 4.63s/it]
473 Total time: 0:00:55 (4.6278 s / it)
474 =====
475 Averaged stats:
476 epoch: 8 learning rate: 1e-06
477 Epoch 8/499: 1%|██████| 1/160 [00:10<27:50, 10.50s/it]print_dice: 0.53969806432724,
print_iou: 0.3695797920227051
478 [ 0/160] eta: 0:28:00 time: 10.5055 data: 4.0515
479 print_dice: 0.5399513840675354, print_iou: 0.3698174059391022
480 Epoch 8/499: 2%|██████| 3/160 [00:23<19:05, 7.30s/it]print_dice: 0.4903838634490967
, print_iou: 0.32484009861946106
481 print_dice: 0.5034670829772949, print_iou: 0.336422324180603
482 Epoch 8/499: 3%|██████| 5/160 [00:35<17:21, 6.72s/it]print_dice: 0.5042055249214172
, print_iou: 0.3370820879936218
483 Epoch 8/499: 4%|██████| 6/160 [00:42<16:50, 6.56s/it]print_dice: 0.452933669090271,
print_iou: 0.2927694022655487
484 Epoch 8/499: 4%|██████| 7/160 [00:48<16:29, 6.46s/it]print_dice: 0.5235517621040344
, print_iou: 0.354602187871933
485 Epoch 8/499: 5%|██████| 8/160 [00:54<16:12, 6.40s/it]print_dice: 0.5018010139465332
, print_iou: 0.33493614196777344
486 Epoch 8/499: 6%|██████| 9/160 [01:01<16:06, 6.40s/it]print_dice: 0.548168957233429,
print_iou: 0.3775707483291626
487 print_dice: 0.5103145241737366, print_iou: 0.34256529808044434
488 Epoch 8/499: 7%|██████| 11/160 [01:13<15:42, 6.33s/it]print_dice: 0.5028204917907715
, print_iou: 0.3358451724052429
489 Epoch 8/499: 8%|██████| 12/160 [01:19<15:27, 6.26s/it]print_dice: 0.4198666512966156
, print_iou: 0.26571595668792725
490 Epoch 8/499: 8%|██████| 13/160 [01:26<15:28, 6.32s/it]print_dice: 0.4948301911354065
, print_iou: 0.3287537395954132
491 Epoch 8/499: 9%|██████| 14/160 [01:32<15:20, 6.31s/it]print_dice: 0.5151311159133911
, print_iou: 0.3469202518463135
492 Epoch 8/499: 9%|██████| 15/160 [01:38<15:14, 6.30s/it]print_dice: 0.4903239607810974
, print_iou: 0.32478752732276917
493 Epoch 8/499: 10%|██████| 16/160 [01:45<15:06, 6.30s/it]print_dice: 0.5137434601783752
, print_iou: 0.3456627130508423
494 Epoch 8/499: 11%|██████| 17/160 [01:51<14:59, 6.29s/it]print_dice: 0.553389847278595
, print_iou: 0.38254252076148987
495 Epoch 8/499: 11%|██████| 18/160 [01:57<14:50, 6.27s/it]print_dice: 0.5513441562652588
, print_iou: 0.38059017062187195
496 print_dice: 0.5181538462638855, print_iou: 0.3496677577495575
497 Epoch 8/499: 12%|██████| 20/160 [02:10<14:35, 6.26s/it]print_dice: 0.47506439685821533
, print_iou: 0.31153079867362976
498 Epoch 8/499: 13%|██████| 21/160 [02:16<14:22, 6.20s/it]print_dice: 0.4649612009525299
, print_iou: 0.30289867520332336
499 print_dice: 0.5769455432891846, print_iou: 0.40542760491371155
500 Epoch 8/499: 14%|██████| 23/160 [02:28<14:15, 6.24s/it]print_dice: 0.555267333984375
, print_iou: 0.3843391537666321
501 Epoch 8/499: 15%|██████| 24/160 [02:35<14:11, 6.26s/it]print_dice: 0.5151772499084473
, print_iou: 0.3469621241092682
502 Epoch 8/499: 16%|██████| 25/160 [02:41<14:08, 6.28s/it]print_dice: 0.4612702429294586
, print_iou: 0.2997733950614929
503 Epoch 8/499: 16%|██████| 26/160 [02:47<13:59, 6.27s/it]print_dice: 0.565242350101471
, print_iou: 0.39396360516548157
504 print_dice: 0.511143147945404, print_iou: 0.34331247210502625
505 Epoch 8/499: 18%|██████| 28/160 [03:00<13:47, 6.27s/it]print_dice: 0.47096890211105347
, print_iou: 0.30801787972450256
506 Epoch 8/499: 18%|██████| 29/160 [03:06<13:38, 6.25s/it]print_dice: 0.5430336594581604
, print_iou: 0.3727152943611145
507 Epoch 8/499: 19%|██████| 30/160 [03:12<13:32, 6.25s/it]print_dice: 0.5219587683677673

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507 , print_iou: 0.3531422019004822
508 print_dice: 0.4745870530605316, print_iou: 0.3111203908920288
509 Epoch 8/499: 20%|██████| 32/160 [03:25<13:21, 6.26s/it]print_dice: 0.4724453389644623
, print_iou: 0.3092820942401886
510 Epoch 8/499: 21%|██████| 33/160 [03:31<13:20, 6.31s/it]print_dice: 0.5090959668159485
, print_iou: 0.3414679765701294
511 Epoch 8/499: 21%|██████| 34/160 [03:37<13:15, 6.31s/it]print_dice: 0.4951636791229248
, print_iou: 0.329048216342926
512 Epoch 8/499: 22%|██████| 35/160 [03:44<13:08, 6.31s/it]print_dice: 0.5127673149108887
, print_iou: 0.34477949142456055
513 Epoch 8/499: 22%|██████| 36/160 [03:50<12:59, 6.28s/it]print_dice: 0.5209571719169617
, print_iou: 0.3522258996963501
514 Epoch 8/499: 23%|██████| 37/160 [03:56<12:54, 6.29s/it]print_dice: 0.5805379748344421
, print_iou: 0.408984512090683
515 Epoch 8/499: 24%|██████| 38/160 [04:02<12:45, 6.28s/it]print_dice: 0.5358816981315613
, print_iou: 0.36600983142852783
516 Epoch 8/499: 24%|██████| 39/160 [04:09<12:42, 6.30s/it]print_dice: 0.5313854217529297
, print_iou: 0.36182770133018494
517 Epoch 8/499: 25%|██████| 40/160 [04:15<12:35, 6.30s/it]print_dice: 0.527191698551178
, print_iou: 0.35795000195503235
518 Epoch 8/499: 26%|██████| 41/160 [04:21<12:32, 6.33s/it]print_dice: 0.5537379384040833
, print_iou: 0.3828752636909485
519 print_dice: 0.4794349670410156, print_iou: 0.3153005540370941
520 Epoch 8/499: 27%|██████| 43/160 [04:34<12:14, 6.28s/it]print_dice: 0.5585165619850159
, print_iou: 0.3874596059322357
521 Epoch 8/499: 28%|██████| 44/160 [04:40<12:04, 6.25s/it]print_dice: 0.560063362121582
, print_iou: 0.388949990272522
522 Epoch 8/499: 28%|██████| 45/160 [04:46<11:58, 6.25s/it]print_dice: 0.450061172246933
, print_iou: 0.2903735041618347
523 Epoch 8/499: 29%|██████| 46/160 [04:53<11:53, 6.26s/it]print_dice: 0.5301713943481445
, print_iou: 0.36070287227630615
524 Epoch 8/499: 29%|██████| 47/160 [04:59<11:48, 6.27s/it]print_dice: 0.5004028677940369
, print_iou: 0.3336915671825409
525 Epoch 8/499: 30%|██████| 48/160 [05:05<11:42, 6.27s/it]print_dice: 0.4640287756919861
, print_iou: 0.30210772156715393
526 Epoch 8/499: 31%|██████| 49/160 [05:12<11:37, 6.28s/it]print_dice: 0.5358028411865234
, print_iou: 0.3659362494945526
527 Epoch 8/499: 31%|██████| 50/160 [05:18<11:35, 6.32s/it]print_dice: 0.4375320076942444
, print_iou: 0.28002622723579407
528 Epoch 8/499: 32%|██████| 51/160 [05:24<11:30, 6.33s/it]print_dice: 0.478005975484848
, print_iou: 0.3140656054019928
529 print_dice: 0.5553328990936279, print_iou: 0.38440197706222534
530 Epoch 8/499: 33%|██████| 53/160 [05:37<11:14, 6.31s/it]print_dice: 0.5253739356994629
, print_iou: 0.3562760055065155
531 print_dice: 0.5120248198509216, print_iou: 0.3441084623336792
532 Epoch 8/499: 34%|██████| 55/160 [05:50<11:04, 6.33s/it]print_dice: 0.49821406602859497
, print_iou: 0.33174771070480347
533 print_dice: 0.5033220052719116, print_iou: 0.3362927734851837
534 Epoch 8/499: 36%|██████| 57/160 [06:02<10:59, 6.40s/it]print_dice: 0.5223355293273926
, print_iou: 0.3534872233867645
535 print_dice: 0.49735701084136963, print_iou: 0.3309881389141083
536 Epoch 8/499: 37%|██████| 59/160 [06:15<10:40, 6.34s/it]print_dice: 0.47633397579193115
, print_iou: 0.3126235902309418
537 Epoch 8/499: 38%|██████| 60/160 [06:21<10:28, 6.29s/it]print_dice: 0.4634411931037903
, print_iou: 0.3016098141670227
538 Epoch 8/499: 38%|██████| 61/160 [06:27<10:18, 6.25s/it]print_dice: 0.4824291467666626
, print_iou: 0.3178956210613251
539 Epoch 8/499: 39%|██████| 62/160 [06:34<10:13, 6.26s/it]print_dice: 0.5527763962745667
, print_iou: 0.38195642828941345
540 Epoch 8/499: 39%|██████| 63/160 [06:40<10:02, 6.21s/it]print_dice: 0.5185906887054443
, print_iou: 0.35006576776504517
541 Epoch 8/499: 40%|██████| 64/160 [06:46<09:52, 6.17s/it]print_dice: 0.5556557774543762
, print_iou: 0.38471144437789917
542 Epoch 8/499: 41%|██████| 65/160 [06:52<09:49, 6.20s/it]print_dice: 0.48552876710891724
, print_iou: 0.3205929100513458
543 Epoch 8/499: 41%|██████| 66/160 [06:58<09:45, 6.23s/it]print_dice: 0.4047691226005554
, print_iou: 0.25373703241348267
544 print_dice: 0.536598801612854, print_iou: 0.36667922139167786
545 Epoch 8/499: 42%|██████| 68/160 [07:11<09:42, 6.33s/it]print_dice: 0.4736751914024353

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545 , print_iou: 0.310337096452713
546 Epoch 8/499: 43%|██████| 69/160 [07:18<09:37, 6.34s/it]print_dice: 0.5060707926750183
, print_iou: 0.33875152468681335
547 Epoch 8/499: 44%|██████| 70/160 [07:24<09:31, 6.34s/it]print_dice: 0.5250070691108704
, print_iou: 0.35593870282173157
548 print_dice: 0.5228998064994812, print_iou: 0.35400429368019104
549 Epoch 8/499: 45%|██████| 72/160 [07:36<09:13, 6.29s/it]print_dice: 0.45164403319358826
, print_iou: 0.2916926443576813
550 Epoch 8/499: 46%|██████| 73/160 [07:43<09:04, 6.25s/it]print_dice: 0.5251636505126953
, print_iou: 0.35608264803886414
551 Epoch 8/499: 46%|██████| 74/160 [07:49<08:55, 6.23s/it]print_dice: 0.5737364888191223
, print_iou: 0.40226539969444275
552 print_dice: 0.541991651058197, print_iou: 0.37173426151275635
553 Epoch 8/499: 48%|██████| 76/160 [08:01<08:45, 6.26s/it]print_dice: 0.4465532898902893
, print_iou: 0.28745967149734497
554 Epoch 8/499: 48%|██████| 77/160 [08:08<08:39, 6.25s/it]print_dice: 0.530707836151123
, print_iou: 0.36119967699050903
555 Epoch 8/499: 49%|██████| 78/160 [08:14<08:35, 6.29s/it]print_dice: 0.5897183418273926
, print_iou: 0.4181564450263977
556 print_dice: 0.42752605676651, print_iou: 0.2718811631202698
557 Epoch 8/499: 50%|██████| 80/160 [08:26<08:18, 6.23s/it]print_dice: 0.415840744972229
, print_iou: 0.2624993324279785
558 print_dice: 0.47531211376190186, print_iou: 0.3117438852787018
559 Epoch 8/499: 51%|██████| 82/160 [08:39<08:00, 6.16s/it]print_dice: 0.4714158773422241
, print_iou: 0.30840036273002625
560 Epoch 8/499: 52%|██████| 83/160 [08:45<07:55, 6.17s/it]print_dice: 0.5373908877372742
, print_iou: 0.36741936206817627
561 Epoch 8/499: 52%|██████| 84/160 [08:51<07:51, 6.21s/it]print_dice: 0.5557389855384827
, print_iou: 0.38479122519493103
562 Epoch 8/499: 53%|██████| 85/160 [08:57<07:50, 6.28s/it]print_dice: 0.42589807510375977
, print_iou: 0.2705657482147217
563 print_dice: 0.598757803440094, print_iou: 0.4273049831390381
564 Epoch 8/499: 54%|██████| 87/160 [09:10<07:38, 6.28s/it]print_dice: 0.490850567817688
, print_iou: 0.3252498209476471
565 Epoch 8/499: 55%|██████| 88/160 [09:16<07:28, 6.23s/it]print_dice: 0.5825044512748718
, print_iou: 0.41093918681144714
566 print_dice: 0.5552140474319458, print_iou: 0.38428813219070435
567 Epoch 8/499: 56%|██████| 90/160 [09:29<07:19, 6.27s/it]print_dice: 0.5006797313690186
, print_iou: 0.3339378237724304
568 Epoch 8/499: 57%|██████| 91/160 [09:35<07:13, 6.28s/it]print_dice: 0.4697778522968292
, print_iou: 0.3069997727870941
569 print_dice: 0.4865100085735321, print_iou: 0.3214491307735443
570 Epoch 8/499: 58%|██████| 93/160 [09:48<07:01, 6.30s/it]print_dice: 0.5435552000999451
, print_iou: 0.37320685386657715
571 Epoch 8/499: 59%|██████| 94/160 [09:54<06:52, 6.25s/it]print_dice: 0.5078374743461609
, print_iou: 0.34033656120300293
572 Epoch 8/499: 59%|██████| 95/160 [10:00<06:44, 6.22s/it]print_dice: 0.5093346834182739
, print_iou: 0.3416827917098999
573 Epoch 8/499: 60%|██████| 96/160 [10:06<06:39, 6.24s/it]print_dice: 0.5393504500389099
, print_iou: 0.36925381422042847
574 Epoch 8/499: 61%|██████| 97/160 [10:13<06:34, 6.26s/it]print_dice: 0.5595436096191406
, print_iou: 0.3884488046169281
575 Epoch 8/499: 61%|██████| 98/160 [10:19<06:26, 6.24s/it]print_dice: 0.46785444021224976
, print_iou: 0.30535900592803955
576 Epoch 8/499: 62%|██████| 99/160 [10:25<06:21, 6.25s/it]print_dice: 0.47613316774368286
, print_iou: 0.312450647354126
577 print_dice: 0.4700726270675659, print_iou: 0.30725157260894775
578 Epoch 8/499: 63%|██████| 101/160 [10:38<06:09, 6.26s/it]print_dice: 0.5292017459869385
, print_iou: 0.3598058223724365
579 [100/160] eta: 0:06:19 time: 6.2592 data: 0.0004
580 print_dice: 0.5401697754859924, print_iou: 0.37002232670783997
581 Epoch 8/499: 64%|██████| 103/160 [10:50<05:55, 6.23s/it]print_dice: 0.5401338934898376
, print_iou: 0.36998867988586426
582 Epoch 8/499: 65%|██████| 104/160 [10:56<05:46, 6.18s/it]print_dice: 0.5603896379470825
, print_iou: 0.3892647624015808
583 print_dice: 0.6028580069541931, print_iou: 0.43149369955062866
584 Epoch 8/499: 66%|██████| 106/160 [11:09<05:39, 6.28s/it]print_dice: 0.4996657371520996
, print_iou: 0.33303627371788025
585 Epoch 8/499: 67%|██████| 107/160 [11:15<05:33, 6.29s/it]print_dice: 0.49824705719947815
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585 , print_iou: 0.3317769765853882
586 print_dice: 0.5478766560554504, print_iou: 0.3772934675216675
587 Epoch 8/499: 68%|███████ | 109/160 [11:28<05:22, 6.32s/it]print_dice: 0.5203896760940552
, print_iou: 0.3517072796821594
588 Epoch 8/499: 69%|███████ | 110/160 [11:34<05:14, 6.28s/it]print_dice: 0.5624601244926453
, print_iou: 0.39126572012901306
589 Epoch 8/499: 69%|███████ | 111/160 [11:40<05:09, 6.31s/it]print_dice: 0.45231154561042786
, print_iou: 0.29224973917007446
590 Epoch 8/499: 70%|███████ | 112/160 [11:47<05:03, 6.32s/it]print_dice: 0.47998514771461487
, print_iou: 0.31577661633491516
591 print_dice: 0.4631096422672272, print_iou: 0.30132901668548584
592 Epoch 8/499: 71%|███████ | 114/160 [11:59<04:49, 6.29s/it]print_dice: 0.4908316433429718
, print_iou: 0.32523319125175476
593 print_dice: 0.5300126075744629, print_iou: 0.36055588722229004
594 Epoch 8/499: 72%|███████ | 116/160 [12:12<04:35, 6.27s/it]print_dice: 0.48207730054855347
, print_iou: 0.3175901472568512
595 Epoch 8/499: 73%|███████ | 117/160 [12:18<04:29, 6.27s/it]print_dice: 0.5234862565994263
, print_iou: 0.354542076587677
596 Epoch 8/499: 74%|███████ | 118/160 [12:24<04:22, 6.24s/it]print_dice: 0.5386368036270142
, print_iou: 0.3685851991176605
597 Epoch 8/499: 74%|███████ | 119/160 [12:30<04:14, 6.21s/it]print_dice: 0.4416201114654541
, print_iou: 0.2833841145038605
598 print_dice: 0.46569326519966125, print_iou: 0.3035203218460083
599 Epoch 8/499: 76%|███████ | 121/160 [12:43<04:01, 6.20s/it]print_dice: 0.5000662207603455
, print_iou: 0.3333921730518341
600 Epoch 8/499: 76%|███████ | 122/160 [12:49<03:56, 6.22s/it]print_dice: 0.47644731402397156
, print_iou: 0.31272125244140625
601 print_dice: 0.5157939195632935, print_iou: 0.34752175211906433
602 Epoch 8/499: 78%|███████ | 124/160 [13:01<03:43, 6.21s/it]print_dice: 0.5761108994483948
, print_iou: 0.4046037793159485
603 Epoch 8/499: 78%|███████ | 125/160 [13:08<03:36, 6.19s/it]print_dice: 0.5262453556060791
, print_iou: 0.3570779860019684
604 Epoch 8/499: 79%|███████ | 126/160 [13:14<03:30, 6.19s/it]print_dice: 0.5351073145866394
, print_iou: 0.36528775095939636
605 print_dice: 0.5253893733024597, print_iou: 0.3562902510166168
606 Epoch 8/499: 80%|███████ | 128/160 [13:26<03:19, 6.22s/it]print_dice: 0.5213062167167664
, print_iou: 0.3525450527667999
607 Epoch 8/499: 81%|███████ | 129/160 [13:33<03:12, 6.20s/it]print_dice: 0.5505598187446594
, print_iou: 0.3798430562019348
608 Epoch 8/499: 81%|███████ | 130/160 [13:39<03:06, 6.21s/it]print_dice: 0.5332218408584595
, print_iou: 0.3635327219963074
609 Epoch 8/499: 82%|███████ | 131/160 [13:45<03:01, 6.26s/it]print_dice: 0.5377355217933655
, print_iou: 0.3677416443824768
610 print_dice: 0.5197836756706238, print_iou: 0.3511538505554199
611 Epoch 8/499: 83%|███████ | 133/160 [13:58<02:48, 6.23s/it]print_dice: 0.508486807346344
, print_iou: 0.3409201204776764
612 Epoch 8/499: 84%|███████ | 134/160 [14:04<02:42, 6.25s/it]print_dice: 0.5270503163337708
, print_iou: 0.35781964659690857
613 print_dice: 0.5155753493309021, print_iou: 0.34732332825660706
614 Epoch 8/499: 85%|███████ | 136/160 [14:16<02:30, 6.28s/it]print_dice: 0.4725942015647888
, print_iou: 0.3094097077846527
615 Epoch 8/499: 86%|███████ | 137/160 [14:23<02:25, 6.31s/it]print_dice: 0.5358582139015198
, print_iou: 0.3659879267215729
616 Epoch 8/499: 86%|███████ | 138/160 [14:29<02:19, 6.33s/it]print_dice: 0.5813277363777161
, print_iou: 0.4097689092159271
617 Epoch 8/499: 87%|███████ | 139/160 [14:35<02:11, 6.27s/it]print_dice: 0.5155442357063293
, print_iou: 0.3472951352596283
618 Epoch 8/499: 88%|███████ | 140/160 [14:42<02:05, 6.28s/it]print_dice: 0.518844485282898
, print_iou: 0.35029709339141846
619 print_dice: 0.5655109286308289, print_iou: 0.3942246437072754
620 Epoch 8/499: 89%|███████ | 142/160 [14:54<01:53, 6.29s/it]print_dice: 0.4956820607185364
, print_iou: 0.32950618863105774
621 Epoch 8/499: 89%|███████ | 143/160 [15:01<01:47, 6.31s/it]print_dice: 0.42875269055366516
, print_iou: 0.2728740870952606
622 Epoch 8/499: 90%|███████ | 144/160 [15:07<01:41, 6.31s/it]print_dice: 0.5427951812744141
, print_iou: 0.37249067425727844
623 Epoch 8/499: 91%|███████ | 145/160 [15:13<01:34, 6.29s/it]print_dice: 0.4708014726638794
, print_iou: 0.3078746497631073
624 Epoch 8/499: 91%|███████ | 146/160 [15:19<01:27, 6.27s/it]print_dice: 0.5013527274131775
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624 , print_iou: 0.3345368504524231
625 print_dice: 0.5056762099266052, print_iou: 0.3383980095386505
626 Epoch 8/499: 92%|██████████| 148/160 [15:32<01:15, 6.25s/it]print_dice: 0.4662688970565796
, print_iou: 0.3040095567703247
627 Epoch 8/499: 93%|██████████| 149/160 [15:38<01:09, 6.32s/it]print_dice: 0.4923771321773529
, print_iou: 0.32659170031547546
628 print_dice: 0.5705484747886658, print_iou: 0.39913803339004517
629 Epoch 8/499: 94%|██████████| 151/160 [15:51<00:56, 6.29s/it]print_dice: 0.588168740272522
, print_iou: 0.4165998697280884
630 Epoch 8/499: 95%|██████████| 152/160 [15:57<00:50, 6.29s/it]print_dice: 0.5118681192398071
, print_iou: 0.34396690130233765
631 Epoch 8/499: 96%|██████████| 153/160 [16:04<00:44, 6.34s/it]print_dice: 0.4526262879371643
, print_iou: 0.29251256585121155
632 Epoch 8/499: 96%|██████████| 154/160 [16:10<00:37, 6.33s/it]print_dice: 0.4648820161819458
, print_iou: 0.3028314709663391
633 print_dice: 0.44835057854652405, print_iou: 0.28895094990730286
634 Epoch 8/499: 98%|██████████| 156/160 [16:22<00:24, 6.25s/it]print_dice: 0.5510996580123901
, print_iou: 0.38035717606544495
635 Epoch 8/499: 98%|██████████| 157/160 [16:29<00:18, 6.27s/it]print_dice: 0.4859144389629364
, print_iou: 0.32092931866645813
636 Epoch 8/499: 99%|██████████| 158/160 [16:35<00:12, 6.27s/it]print_dice: 0.5050875544548035
, print_iou: 0.3378709554672241
637 Epoch 8/499: 99%|██████████| 159/160 [16:41<00:06, 6.24s/it]print_dice: 0.5928887128829956
, print_iou: 0.42135170102119446
638 Epoch 8/499: 100%|██████████| 160/160 [16:47<00:00, 6.20s/it]print_dice: 0.5492724180221558
, print_iou: 0.3786185681819916
639 [159/160] eta: 0:00:06 time: 6.2741 data: 0.0004
640 Total time: 0:16:48 (6.3024 s / it)
641 Averaged stats: training_loss: -307.7914 (-307.7914) loss_mask: -307.6694 (-307.6694)
loss_dice: -0.1220 (-0.1220)
642 Epoch 8/499: 100%|██████████| 160/160 [16:48<00:00, 6.30s/it]
643 0%| | 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8376665790565
644 Validating...
645 Valid_dataloader len: 12
646 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0037, 0.0038
, 0.0039, ..., 0.9985, 0.9985, 0.9986],
647 grad_fn=<Unique2Backward0>)
648 8%| | 1/12 [00:09<01:39, 9.02s/it]print_dice: 0.5432727932929993, print_iou: 0.
37294065952301025
649 [ 0/12] eta: 0:01:48 time: 9.0163 data: 4.8263
650 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0090, 0.0091
, 0.0092, ..., 0.9934, 0.9935, 0.9939],
651 grad_fn=<Unique2Backward0>)
652 17%| | 2/12 [00:13<01:01, 6.16s/it]print_dice: 0.575190544128418, print_iou: 0.
4036964774131775
653 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0110, 0.0113
, 0.0113, ..., 0.9899, 0.9899, 0.9900],
654 grad_fn=<Unique2Backward0>)
655 print_dice: 0.5151697993278503, print_iou: 0.3469553589820862
656 25%| | 3/12 [00:17<00:47, 5.29s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32])
unique sigmoid values: tensor([0.0094, 0.0095, 0.0096, ..., 0.9940, 0.9940, 0.9941],
657 grad_fn=<Unique2Backward0>)
658 33%| | 4/12 [00:21<00:39, 4.88s/it]print_dice: 0.5112285614013672, print_iou: 0.
3433895409107208
659 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0099, 0.0100
, 0.0103, ..., 0.9907, 0.9907, 0.9910],
660 grad_fn=<Unique2Backward0>)
661 print_dice: 0.5655416250228882, print_iou: 0.3942544758319855
662 42%| | 5/12 [00:25<00:32, 4.65s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32])
unique sigmoid values: tensor([0.0081, 0.0082, 0.0083, ..., 0.9938, 0.9939, 0.9940],
663 grad_fn=<Unique2Backward0>)
664 50%| | 6/12 [00:30<00:26, 4.48s/it]print_dice: 0.4971432089805603, print_iou: 0.
33079877495765686
665 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0045, 0.0048
, 0.0048, ..., 0.9990, 0.9990, 0.9991],
666 grad_fn=<Unique2Backward0>)
667 58%| | 7/12 [00:34<00:22, 4.42s/it]print_dice: 0.44804641604423523, print_iou: 0.
28869834542274475
668 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0103, 0.0104

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668 , 0.0105, ..., 0.9907, 0.9907, 0.9908],
669     grad_fn=<Unique2Backward0>)
670 print_dice: 0.5390468835830688, print_iou: 0.3689693212509155
671 67%|███████ | 8/12 [00:38<00:17, 4.32s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32])
    unique sigmoid values: tensor([0.0037, 0.0038, 0.0039, ..., 0.9985, 0.9985, 0.9986],
672     grad_fn=<Unique2Backward0>)
673 75%|███████ | 9/12 [00:42<00:12, 4.26s/it]print_dice: 0.5445842146873474, print_iou: 0.
    3741777241230011
674 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0120, 0.0121
    , 0.0121, ..., 0.9910, 0.9911, 0.9915],
675     grad_fn=<Unique2Backward0>)
676 83%|███████ | 10/12 [00:46<00:08, 4.18s/it]print_dice: 0.5583469271659851, print_iou: 0.
    38729631900787354
677 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0081, 0.0081
    , 0.0081, ..., 0.9943, 0.9943, 0.9944],
678     grad_fn=<Unique2Backward0>)
679 92%|███████ | 11/12 [00:50<00:04, 4.14s/it]print_dice: 0.6054052710533142, print_iou: 0.
    4341084063053131
680 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0037, 0.0038
    , 0.0039, ..., 0.9985, 0.9985, 0.9986],
681     grad_fn=<Unique2Backward0>)
682 100%|███████ | 12/12 [00:54<00:00, 4.09s/it]print_dice: 0.5677488446235657, print_iou: 0.
    39640310406684875
683 [11/12] eta: 0:00:04 time: 4.5509 data: 0.4026
684 100%|███████ | 12/12 [00:55<00:00, 4.59s/it]
685 Total time: 0:00:55 (4.5861 s / it)
686 =====
687 Averaged stats:
688 Epoch 9/499: 0%| | 0/160 [00:00<?, ?it/s]epoch: 9 learning rate: 1e-06
689 Epoch 9/499: 1%| | 1/160 [00:10<28:04, 10.59s/it]print_dice: 0.5259442925453186
    , print_iou: 0.3568008244037628
690 [ 0/160] eta: 0:28:15 time: 10.5950 data: 4.1598
691 Epoch 9/499: 1%|| | 2/160 [00:16<21:11, 8.05s/it]print_dice: 0.5737612247467041
    , print_iou: 0.4022897481918335
692 print_dice: 0.4810364246368408, print_iou: 0.3166872560977936
693 Epoch 9/499: 2%|| | 4/160 [00:29<17:40, 6.80s/it]print_dice: 0.5088722705841064
    , print_iou: 0.3412667214870453
694 Epoch 9/499: 3%|| | 5/160 [00:35<17:00, 6.58s/it]print_dice: 0.4780091345310211
    , print_iou: 0.31406834721565247
695 print_dice: 0.5314871668815613, print_iou: 0.3619220554828644
696 Epoch 9/499: 4%|| | 7/160 [00:48<16:19, 6.40s/it]print_dice: 0.5046125650405884
    , print_iou: 0.33744603395462036
697 Epoch 9/499: 5%|| | 8/160 [00:54<16:03, 6.34s/it]print_dice: 0.5244477987289429
    , print_iou: 0.35542479157447815
698 Epoch 9/499: 6%|| | 9/160 [01:00<15:54, 6.32s/it]print_dice: 0.5310977101325989
    , print_iou: 0.36156097054481506
699 print_dice: 0.465392142534256, print_iou: 0.3032645583152771
700 Epoch 9/499: 7%|| | 11/160 [01:12<15:33, 6.26s/it]print_dice: 0.5295729041099548
    , print_iou: 0.3601490259170532
701 Epoch 9/499: 8%|| | 12/160 [01:19<15:32, 6.30s/it]print_dice: 0.472928911447525
    , print_iou: 0.3096967339515686
702 print_dice: 0.46787959337234497, print_iou: 0.3053804337978363
703 Epoch 9/499: 9%|| | 14/160 [01:32<15:26, 6.34s/it]print_dice: 0.5058368444442749
    , print_iou: 0.3385418951511383
704 print_dice: 0.5686718821525574, print_iou: 0.39730367064476013
705 Epoch 9/499: 10%|| | 16/160 [01:44<15:02, 6.27s/it]print_dice: 0.5904828906059265
    , print_iou: 0.4189256727695465
706 print_dice: 0.5195826292037964, print_iou: 0.35097038745880127
707 Epoch 9/499: 11%|| | 18/160 [01:57<14:50, 6.27s/it]print_dice: 0.5507669448852539
    , print_iou: 0.3800402879714966
708 Epoch 9/499: 12%|| | 19/160 [02:03<14:45, 6.28s/it]print_dice: 0.4985281527042389
    , print_iou: 0.33202630281448364
709 print_dice: 0.5659716725349426, print_iou: 0.39467260241508484
710 Epoch 9/499: 13%|| | 21/160 [02:15<14:29, 6.26s/it]print_dice: 0.4582482576370239
    , print_iou: 0.2972257137298584
711 print_dice: 0.49805545806884766, print_iou: 0.3316071033477783
712 Epoch 9/499: 14%|| | 23/160 [02:28<14:11, 6.21s/it]print_dice: 0.5262426733970642
    , print_iou: 0.3570755422115326
713 print_dice: 0.5187788009643555, print_iou: 0.3502371907234192

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714 Epoch 9/499: 16%|██████| 25/160 [02:40<14:09, 6.30s/it]print_dice: 0.5240844488143921
, print_iou: 0.3550910949707031
715 Epoch 9/499: 16%|██████| 26/160 [02:47<13:58, 6.26s/it]print_dice: 0.4901345670223236
, print_iou: 0.32462137937545776
716 print_dice: 0.469260573387146, print_iou: 0.30655810236930847
717 Epoch 9/499: 18%|██████| 28/160 [02:59<13:41, 6.23s/it]print_dice: 0.5038951635360718
, print_iou: 0.33680468797683716
718 Epoch 9/499: 18%|██████| 29/160 [03:05<13:35, 6.22s/it]print_dice: 0.5389812588691711
, print_iou: 0.3689078390598297
719 Epoch 9/499: 19%|██████| 30/160 [03:11<13:32, 6.25s/it]print_dice: 0.5536016225814819
, print_iou: 0.3827449381351471
720 Epoch 9/499: 19%|██████| 31/160 [03:18<13:22, 6.22s/it]print_dice: 0.5663335919380188
, print_iou: 0.3950246274471283
721 Epoch 9/499: 20%|██████| 32/160 [03:24<13:15, 6.21s/it]print_dice: 0.4488368332386017
, print_iou: 0.28935500979423523
722 Epoch 9/499: 21%|██████| 33/160 [03:30<13:06, 6.19s/it]print_dice: 0.46667471528053284
, print_iou: 0.3043546676635742
723 Epoch 9/499: 21%|██████| 34/160 [03:36<12:56, 6.16s/it]print_dice: 0.5948682427406311
, print_iou: 0.4233540892601013
724 print_dice: 0.5179070830345154, print_iou: 0.34944307804107666
725 Epoch 9/499: 22%|██████| 36/160 [03:48<12:42, 6.15s/it]print_dice: 0.46608537435531616
, print_iou: 0.30385351181030273
726 print_dice: 0.5223922729492188, print_iou: 0.35353919863700867
727 Epoch 9/499: 24%|██████| 38/160 [04:01<12:36, 6.20s/it]print_dice: 0.5585426092147827
, print_iou: 0.38748466968536377
728 Epoch 9/499: 24%|██████| 39/160 [04:07<12:30, 6.20s/it]print_dice: 0.533380925655365
, print_iou: 0.3636806011199951
729 Epoch 9/499: 25%|██████| 40/160 [04:13<12:22, 6.19s/it]print_dice: 0.4951516091823578
, print_iou: 0.32903754711151123
730 Epoch 9/499: 26%|██████| 41/160 [04:19<12:19, 6.21s/it]print_dice: 0.5757059454917908
, print_iou: 0.404204398393631
731 Epoch 9/499: 26%|██████| 42/160 [04:26<12:11, 6.20s/it]print_dice: 0.49594053626060486
, print_iou: 0.3297346532344818
732 Epoch 9/499: 27%|██████| 43/160 [04:32<12:03, 6.19s/it]print_dice: 0.4928382337093353
, print_iou: 0.3269975781440735
733 Epoch 9/499: 28%|██████| 44/160 [04:38<11:58, 6.20s/it]print_dice: 0.5000389814376831
, print_iou: 0.3333679735660553
734 print_dice: 0.5795359015464783, print_iou: 0.40799054503440857
735 Epoch 9/499: 29%|██████| 46/160 [04:51<11:49, 6.22s/it]print_dice: 0.524566113948822
, print_iou: 0.3555334806442261
736 print_dice: 0.5754286646842957, print_iou: 0.4039310812950134
737 Epoch 9/499: 30%|██████| 48/160 [05:03<11:35, 6.21s/it]print_dice: 0.5165364146232605
, print_iou: 0.34819620847702026
738 print_dice: 0.5364634990692139, print_iou: 0.36655285954475403
739 Epoch 9/499: 31%|██████| 50/160 [05:15<11:23, 6.22s/it]print_dice: 0.49729686975479126
, print_iou: 0.33093488216400146
740 print_dice: 0.5118082165718079, print_iou: 0.34391283988952637
741 Epoch 9/499: 32%|██████| 52/160 [05:28<11:08, 6.19s/it]print_dice: 0.4949769377708435
, print_iou: 0.3288832902908325
742 Epoch 9/499: 33%|██████| 53/160 [05:34<11:07, 6.24s/it]print_dice: 0.4958575963973999
, print_iou: 0.3296613395214081
743 Epoch 9/499: 34%|██████| 54/160 [05:40<11:01, 6.24s/it]print_dice: 0.45825833082199097
, print_iou: 0.2972341775894165
744 Epoch 9/499: 34%|██████| 55/160 [05:47<11:01, 6.30s/it]print_dice: 0.47715699672698975
, print_iou: 0.31333303451538086
745 Epoch 9/499: 35%|██████| 56/160 [05:53<10:51, 6.27s/it]print_dice: 0.5137667655944824
, print_iou: 0.3456838130950928
746 Epoch 9/499: 36%|██████| 57/160 [05:59<10:45, 6.26s/it]print_dice: 0.510448694229126
, print_iou: 0.3426862359046936
747 print_dice: 0.5298247933387756, print_iou: 0.360382080078125
748 Epoch 9/499: 37%|██████| 59/160 [06:12<10:28, 6.22s/it]print_dice: 0.6026828289031982
, print_iou: 0.43131425976753235
749 Epoch 9/499: 38%|██████| 60/160 [06:18<10:21, 6.22s/it]print_dice: 0.563917338848114
, print_iou: 0.3926774859428406
750 Epoch 9/499: 38%|██████| 61/160 [06:24<10:17, 6.23s/it]print_dice: 0.5437652468681335
, print_iou: 0.37340494990348816
751 Epoch 9/499: 39%|██████| 62/160 [06:30<10:09, 6.22s/it]print_dice: 0.4666820466518402
, print_iou: 0.30436089634895325
752 Epoch 9/499: 39%|██████| 63/160 [06:36<10:00, 6.20s/it]print_dice: 0.5579408407211304

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752 , print_iou: 0.38690564036369324
753 Epoch 9/499: 40%|██████| 64/160 [06:43<09:54, 6.20s/it]print_dice: 0.5389028787612915
, print_iou: 0.36883440613746643
754 Epoch 9/499: 41%|██████| 65/160 [06:49<09:50, 6.21s/it]print_dice: 0.5088921189308167
, print_iou: 0.3412845730781555
755 Epoch 9/499: 41%|██████| 66/160 [06:55<09:39, 6.16s/it]print_dice: 0.42877835035324097
, print_iou: 0.27289488911628723
756 Epoch 9/499: 42%|██████| 67/160 [07:01<09:37, 6.20s/it]print_dice: 0.5055033564567566
, print_iou: 0.3382432460784912
757 print_dice: 0.507673978805542, print_iou: 0.34018972516059875
758 Epoch 9/499: 43%|██████| 69/160 [07:14<09:26, 6.22s/it]print_dice: 0.48292604088783264
, print_iou: 0.31832730770111084
759 print_dice: 0.5101965069770813, print_iou: 0.34245893359184265
760 Epoch 9/499: 44%|██████| 71/160 [07:26<09:17, 6.27s/it]print_dice: 0.5613291263580322
, print_iou: 0.3901720643043518
761 Epoch 9/499: 45%|██████| 72/160 [07:32<09:08, 6.23s/it]print_dice: 0.4899677336215973
, print_iou: 0.3244749903678894
762 print_dice: 0.4848788380622864, print_iou: 0.3200264573097229
763 Epoch 9/499: 46%|██████| 74/160 [07:45<08:55, 6.23s/it]print_dice: 0.5131083130836487
, print_iou: 0.34508785605430603
764 Epoch 9/499: 47%|██████| 75/160 [07:51<08:53, 6.28s/it]print_dice: 0.5216066241264343
, print_iou: 0.35281994938850403
765 Epoch 9/499: 48%|██████| 76/160 [07:57<08:45, 6.26s/it]print_dice: 0.5325133800506592
, print_iou: 0.36287444829940796
766 print_dice: 0.4927379786968231, print_iou: 0.32690930366516113
767 Epoch 9/499: 49%|██████| 78/160 [08:10<08:30, 6.23s/it]print_dice: 0.5110468864440918
, print_iou: 0.3432256281375885
768 Epoch 9/499: 49%|██████| 79/160 [08:16<08:30, 6.30s/it]print_dice: 0.4430852234363556
, print_iou: 0.28459182381629944
769 Epoch 9/499: 50%|██████| 80/160 [08:23<08:23, 6.29s/it]print_dice: 0.4019230604171753
, print_iou: 0.25150421261787415
770 Epoch 9/499: 51%|██████| 81/160 [08:29<08:15, 6.27s/it]print_dice: 0.5079968571662903
, print_iou: 0.3404797613620758
771 print_dice: 0.5464357733726501, print_iou: 0.37592819333076477
772 Epoch 9/499: 52%|██████| 83/160 [08:42<08:06, 6.32s/it]print_dice: 0.5103192925453186
, print_iou: 0.34256958961486816
773 Epoch 9/499: 52%|██████| 84/160 [08:48<07:58, 6.30s/it]print_dice: 0.43234068155288696
, print_iou: 0.2757874131202698
774 Epoch 9/499: 53%|██████| 85/160 [08:54<07:52, 6.30s/it]print_dice: 0.5016407370567322
, print_iou: 0.3347933292388916
775 Epoch 9/499: 54%|██████| 86/160 [09:00<07:45, 6.28s/it]print_dice: 0.5643284916877747
, print_iou: 0.3930763304233551
776 Epoch 9/499: 54%|██████| 87/160 [09:07<07:37, 6.26s/it]print_dice: 0.46584242582321167
, print_iou: 0.30364707112312317
777 print_dice: 0.49113965034484863, print_iou: 0.32550370693206787
778 Epoch 9/499: 56%|██████| 89/160 [09:19<07:22, 6.23s/it]print_dice: 0.4984704256057739
, print_iou: 0.3319750726222992
779 Epoch 9/499: 56%|██████| 90/160 [09:25<07:13, 6.19s/it]print_dice: 0.45583903789520264
, print_iou: 0.29520177841186523
780 Epoch 9/499: 57%|██████| 91/160 [09:31<07:08, 6.22s/it]print_dice: 0.5316702723503113
, print_iou: 0.36209186911582947
781 Epoch 9/499: 57%|██████| 92/160 [09:38<07:02, 6.21s/it]print_dice: 0.5303604602813721
, print_iou: 0.3608779013156891
782 Epoch 9/499: 58%|██████| 93/160 [09:44<06:56, 6.22s/it]print_dice: 0.4689160883426666
, print_iou: 0.30626413226127625
783 Epoch 9/499: 59%|██████| 94/160 [09:50<06:47, 6.18s/it]print_dice: 0.48755255341529846
, print_iou: 0.32236000895500183
784 print_dice: 0.5252729058265686, print_iou: 0.35618311166763306
785 Epoch 9/499: 60%|██████| 96/160 [10:02<06:36, 6.20s/it]print_dice: 0.5403023362159729
, print_iou: 0.3701467216014862
786 Epoch 9/499: 61%|██████| 97/160 [10:09<06:31, 6.21s/it]print_dice: 0.5958569049835205
, print_iou: 0.42435625195503235
787 print_dice: 0.44870394468307495, print_iou: 0.28924456238746643
788 Epoch 9/499: 62%|██████| 99/160 [10:21<06:20, 6.24s/it]print_dice: 0.4885730445384979
, print_iou: 0.3232528269290924
789 print_dice: 0.4387649595737457, print_iou: 0.2810370922088623
790 Epoch 9/499: 63%|██████| 101/160 [10:34<06:11, 6.30s/it]print_dice: 0.49216219782829285
, print_iou: 0.3264026343822479
791 [100/160] eta: 0:06:16 time: 6.2495 data: 0.0006
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792 Epoch 9/499: 64%|███████| | 102/160 [10:40<06:04, 6.29s/it]print_dice: 0.47920307517051697
, print_iou: 0.3150999844074249
793 Epoch 9/499: 64%|███████| | 103/160 [10:46<05:56, 6.25s/it]print_dice: 0.5155637860298157
, print_iou: 0.347312867641449
794 Epoch 9/499: 65%|███████| | 104/160 [10:53<05:50, 6.26s/it]print_dice: 0.4506152272224426
, print_iou: 0.2908349633216858
795 Epoch 9/499: 66%|███████| | 105/160 [10:59<05:41, 6.21s/it]print_dice: 0.5351468920707703
, print_iou: 0.36532461643218994
796 print_dice: 0.5292884111404419, print_iou: 0.35988593101501465
797 Epoch 9/499: 67%|███████| | 107/160 [11:11<05:28, 6.20s/it]print_dice: 0.5286064147949219
, print_iou: 0.3592556118965149
798 Epoch 9/499: 68%|███████| | 108/160 [11:17<05:25, 6.26s/it]print_dice: 0.45155876874923706
, print_iou: 0.29162150621414185
799 Epoch 9/499: 68%|███████| | 109/160 [11:24<05:17, 6.23s/it]print_dice: 0.5751869082450867
, print_iou: 0.4036928713321686
800 Epoch 9/499: 69%|███████| | 110/160 [11:30<05:11, 6.22s/it]print_dice: 0.5089854001998901
, print_iou: 0.34136849641799927
801 Epoch 9/499: 69%|███████| | 111/160 [11:36<05:05, 6.23s/it]print_dice: 0.42128095030784607
, print_iou: 0.2668498456478119
802 Epoch 9/499: 70%|███████| | 112/160 [11:42<04:58, 6.23s/it]print_dice: 0.4774029552936554
, print_iou: 0.3135451674461365
803 print_dice: 0.5016601085662842, print_iou: 0.33481061458587646
804 Epoch 9/499: 71%|███████| | 114/160 [11:54<04:43, 6.16s/it]print_dice: 0.5516647696495056
, print_iou: 0.38089579343795776
805 Epoch 9/499: 72%|███████| | 115/160 [12:01<04:39, 6.20s/it]print_dice: 0.41395050287246704
, print_iou: 0.26099467277526855
806 Epoch 9/499: 72%|███████| | 116/160 [12:07<04:33, 6.21s/it]print_dice: 0.497174471616745
, print_iou: 0.33082646131515503
807 Epoch 9/499: 73%|███████| | 117/160 [12:13<04:29, 6.26s/it]print_dice: 0.4562232196331024
, print_iou: 0.29552409052848816
808 Epoch 9/499: 74%|███████| | 118/160 [12:19<04:20, 6.21s/it]print_dice: 0.49360907077789307
, print_iou: 0.3276766240596771
809 Epoch 9/499: 74%|███████| | 119/160 [12:26<04:14, 6.21s/it]print_dice: 0.5114277601242065
, print_iou: 0.3435693383216858
810 Epoch 9/499: 75%|███████| | 120/160 [12:32<04:08, 6.21s/it]print_dice: 0.5306563377380371
, print_iou: 0.36115193367004395
811 Epoch 9/499: 76%|███████| | 121/160 [12:38<04:05, 6.29s/it]print_dice: 0.4987350404262543
, print_iou: 0.33220985531806946
812 Epoch 9/499: 76%|███████| | 122/160 [12:45<03:57, 6.25s/it]print_dice: 0.545737624168396
, print_iou: 0.3752676546573639
813 Epoch 9/499: 77%|███████| | 123/160 [12:51<03:51, 6.26s/it]print_dice: 0.4353543221950531
, print_iou: 0.27824467420578003
814 print_dice: 0.5153573155403137, print_iou: 0.34712550044059753
815 Epoch 9/499: 78%|███████| | 125/160 [13:03<03:40, 6.29s/it]print_dice: 0.470264732837677
, print_iou: 0.30741575360298157
816 Epoch 9/499: 79%|███████| | 126/160 [13:10<03:33, 6.29s/it]print_dice: 0.48298370838165283
, print_iou: 0.31837740540504456
817 print_dice: 0.5140102505683899, print_iou: 0.34590429067611694
818 Epoch 9/499: 80%|███████| | 128/160 [13:22<03:22, 6.32s/it]print_dice: 0.5203027725219727
, print_iou: 0.3516278564929962
819 Epoch 9/499: 81%|███████| | 129/160 [13:29<03:16, 6.34s/it]print_dice: 0.5423844456672668
, print_iou: 0.3721039295196533
820 Epoch 9/499: 81%|███████| | 130/160 [13:35<03:08, 6.29s/it]print_dice: 0.4778919517993927
, print_iou: 0.31396716833114624
821 Epoch 9/499: 82%|███████| | 131/160 [13:41<03:01, 6.25s/it]print_dice: 0.5345524549484253
, print_iou: 0.3647707998752594
822 Epoch 9/499: 82%|███████| | 132/160 [13:47<02:54, 6.23s/it]print_dice: 0.5886998772621155
, print_iou: 0.41713303327560425
823 Epoch 9/499: 83%|███████| | 133/160 [13:54<02:49, 6.26s/it]print_dice: 0.47920742630958557
, print_iou: 0.3151037395000458
824 Epoch 9/499: 84%|███████| | 134/160 [14:00<02:42, 6.24s/it]print_dice: 0.52638179063797
, print_iou: 0.3572036325931549
825 Epoch 9/499: 84%|███████| | 135/160 [14:06<02:35, 6.23s/it]print_dice: 0.5355432033538818
, print_iou: 0.3656941056251526
826 Epoch 9/499: 85%|███████| | 136/160 [14:12<02:29, 6.21s/it]print_dice: 0.5672459602355957
, print_iou: 0.3959130048751831
827 Epoch 9/499: 86%|███████| | 137/160 [14:18<02:22, 6.20s/it]print_dice: 0.5053638815879822
, print_iou: 0.338118314743042
828 print_dice: 0.49717220664024353, print_iou: 0.33082446455955505

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829 Epoch 9/499: 87%|██████████| 139/160 [14:31<02:11, 6.24s/it]print_dice: 0.5878185033798218
, print_iou: 0.4162485599517822
830 Epoch 9/499: 88%|██████████| 140/160 [14:37<02:05, 6.27s/it]print_dice: 0.574528157711029
, print_iou: 0.4030442237854004
831 Epoch 9/499: 88%|██████████| 141/160 [14:43<01:58, 6.23s/it]print_dice: 0.5335808396339417
, print_iou: 0.36386650800704956
832 Epoch 9/499: 89%|██████████| 142/160 [14:50<01:51, 6.22s/it]print_dice: 0.46161168813705444
, print_iou: 0.3000618815422058
833 print_dice: 0.5040799379348755, print_iou: 0.3369698226451874
834 Epoch 9/499: 90%|██████████| 144/160 [15:02<01:39, 6.20s/it]print_dice: 0.5538063645362854
, print_iou: 0.3829406797885895
835 print_dice: 0.504956066608429, print_iou: 0.3377533257007599
836 Epoch 9/499: 91%|██████████| 146/160 [15:14<01:27, 6.22s/it]print_dice: 0.5318694710731506
, print_iou: 0.36227670311927795
837 print_dice: 0.5554975271224976, print_iou: 0.3845597803592682
838 Epoch 9/499: 92%|██████████| 148/160 [15:27<01:14, 6.22s/it]print_dice: 0.5528941750526428
, print_iou: 0.3820689618587494
839 Epoch 9/499: 93%|██████████| 149/160 [15:33<01:08, 6.20s/it]print_dice: 0.4167618155479431
, print_iou: 0.26323381066322327
840 Epoch 9/499: 94%|██████████| 150/160 [15:39<01:02, 6.22s/it]print_dice: 0.5133011937141418
, print_iou: 0.3452623784542084
841 print_dice: 0.557861328125, print_iou: 0.3868291974067688
842 Epoch 9/499: 95%|██████████| 152/160 [15:52<00:49, 6.18s/it]print_dice: 0.5152099132537842
, print_iou: 0.34699177742004395
843 Epoch 9/499: 96%|██████████| 153/160 [15:58<00:43, 6.21s/it]print_dice: 0.5879235863685608
, print_iou: 0.4163539409637451
844 Epoch 9/499: 96%|██████████| 154/160 [16:04<00:37, 6.24s/it]print_dice: 0.5619873404502869
, print_iou: 0.3908083438873291
845 Epoch 9/499: 97%|██████████| 155/160 [16:11<00:31, 6.29s/it]print_dice: 0.5225552916526794
, print_iou: 0.3536885678768158
846 Epoch 9/499: 98%|██████████| 156/160 [16:17<00:25, 6.29s/it]print_dice: 0.49698126316070557
, print_iou: 0.33065539598464966
847 Epoch 9/499: 98%|██████████| 157/160 [16:23<00:18, 6.28s/it]print_dice: 0.5361046195030212
, print_iou: 0.36621782183647156
848 Epoch 9/499: 99%|██████████| 158/160 [16:29<00:12, 6.22s/it]print_dice: 0.4448321759700775
, print_iou: 0.28603485226631165
849 Epoch 9/499: 99%|██████████| 159/160 [16:36<00:06, 6.25s/it]print_dice: 0.5096524357795715
, print_iou: 0.341968834400177
850 Epoch 9/499: 100%|██████████| 160/160 [16:42<00:00, 6.25s/it]print_dice: 0.5174705386161804
, print_iou: 0.3490457236766815
851 [159/160] eta: 0:00:06 time: 6.2268 data: 0.0005
852 Epoch 9/499: 100%|██████████| 160/160 [16:43<00:00, 6.27s/it]
853 Total time: 0:16:43 (6.2694 s / it)
854 Averaged stats: training_loss: -319.7546 (-319.7546) loss_mask: -319.6445 (-319.6445)
loss_dice: -0.1101 (-0.1101)
855 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.837111223489
856 Validating...
857 Valid_dataloader len: 12
858 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0068, 0.0068
, 0.0070, ..., 0.9966, 0.9966, 0.9966],
859 grad_fn=<Unique2Backward0>)
860 8%|██████████| 1/12 [00:09<01:40, 9.10s/it]print_dice: 0.5549362897872925, print_iou: 0.
384022057056427
861 [ 0/12] eta: 0:01:49 time: 9.1029 data: 4.8559
862 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0038, 0.0039
, 0.0039, ..., 0.9994, 0.9994, 0.9994],
863 grad_fn=<Unique2Backward0>)
864 17%|██████████| 2/12 [00:13<01:02, 6.25s/it]print_dice: 0.5752602815628052, print_iou: 0.
4037652015686035
865 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0094, 0.0096
, 0.0100, ..., 0.9948, 0.9950, 0.9951],
866 grad_fn=<Unique2Backward0>)
867 25%|██████████| 3/12 [00:17<00:47, 5.33s/it]print_dice: 0.5212908387184143, print_iou: 0.
3525310158729553
868 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0030, 0.0030
, 0.0030, ..., 0.9992, 0.9992, 0.9993],
869 grad_fn=<Unique2Backward0>)
870 33%|██████████| 4/12 [00:21<00:39, 4.92s/it]print_dice: 0.5138852000236511, print_iou: 0.
3457910716533661

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871 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0044, 0.0045
    , 0.0046, ..., 0.9993, 0.9993, 0.9993],
872     grad_fn=<Unique2Backward0>)
873 print_dice: 0.5688808560371399, print_iou: 0.3975076675415039
874 42%|███████| 5/12 [00:26<00:32, 4.66s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32])
    unique sigmoid values: tensor([0.0024, 0.0025, 0.0025, ..., 0.9992, 0.9992, 0.9992],
875     grad_fn=<Unique2Backward0>)
876 50%|███████| 6/12 [00:30<00:26, 4.46s/it]print_dice: 0.5109004974365234, print_iou: 0.
    3430935740470886
877 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0030, 0.0030
    , 0.0030, ..., 0.9992, 0.9992, 0.9993],
878     grad_fn=<Unique2Backward0>)
879 58%|███████| 7/12 [00:34<00:22, 4.42s/it]print_dice: 0.45034417510032654, print_iou: 0.
    2906091511249542
880 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0030, 0.0030
    , 0.0030, ..., 0.9992, 0.9992, 0.9993],
881     grad_fn=<Unique2Backward0>)
882 67%|███████| 8/12 [00:38<00:17, 4.32s/it]print_dice: 0.5494154095649719, print_iou: 0.
    37875446677207947
883 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0038, 0.0038
    , 0.0038, ..., 0.9993, 0.9993, 0.9993],
884     grad_fn=<Unique2Backward0>)
885 75%|███████| 9/12 [00:42<00:12, 4.26s/it]print_dice: 0.5488355159759521, print_iou: 0.
    37820351123809814
886 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0030, 0.0030
    , 0.0030, ..., 0.9992, 0.9992, 0.9993],
887     grad_fn=<Unique2Backward0>)
888 83%|███████| 10/12 [00:46<00:08, 4.22s/it]print_dice: 0.5778217315673828, print_iou: 0.
    40629348158836365
889 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0030, 0.0030
    , 0.0030, ..., 0.9992, 0.9992, 0.9993],
890     grad_fn=<Unique2Backward0>)
891 92%|███████| 11/12 [00:51<00:04, 4.22s/it]print_dice: 0.6170521974563599, print_iou: 0.
    4461861848831177
892 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0043, 0.0044
    , 0.0045, ..., 0.9994, 0.9994, 0.9994],
893     grad_fn=<Unique2Backward0>)
894 print_dice: 0.5677977204322815, print_iou: 0.39645078778266907
895 [11/12] eta: 0:00:04 time: 4.5959 data: 0.4052
896 100%|███████| 12/12 [00:55<00:00, 4.64s/it]
897 Total time: 0:00:55 (4.6363 s / it)
898 =====
899 Averaged stats:
900 epoch: 10 learning rate: 1e-06
901 Epoch 10/499: 1%|███████| 1/160 [00:10<28:32, 10.77s/it]print_dice: 0.5003855228424072
    , print_iou: 0.3336760997772217
902 [ 0/160] eta: 0:28:43 time: 10.7696 data: 4.4046
903 Epoch 10/499: 1%|███████| 2/160 [00:17<21:19, 8.10s/it]print_dice: 0.5112364292144775
    , print_iou: 0.3433966338634491
904 Epoch 10/499: 2%|███████| 3/160 [00:23<19:04, 7.29s/it]print_dice: 0.48986953496932983
    , print_iou: 0.32438886165618896
905 Epoch 10/499: 2%|███████| 4/160 [00:29<17:55, 6.89s/it]print_dice: 0.533453643321991
    , print_iou: 0.3637482523918152
906 Epoch 10/499: 3%|███████| 5/160 [00:35<17:14, 6.67s/it]print_dice: 0.51801598072052,
    print_iou: 0.3495422303676605
907 Epoch 10/499: 4%|███████| 6/160 [00:42<16:50, 6.56s/it]print_dice: 0.44947803020477295
    , print_iou: 0.2898882031440735
908 Epoch 10/499: 4%|███████| 7/160 [00:48<16:31, 6.48s/it]print_dice: 0.6005197763442993
    , print_iou: 0.42910197377204895
909 print_dice: 0.5687501430511475, print_iou: 0.3973800241947174
910 Epoch 10/499: 6%|███████| 9/160 [01:01<16:05, 6.39s/it]print_dice: 0.5336635708808899
    , print_iou: 0.3639434576034546
911 Epoch 10/499: 6%|███████| 10/160 [01:07<15:52, 6.35s/it]print_dice: 0.5346314311027527
    , print_iou: 0.36484435200691223
912 print_dice: 0.5198732018470764, print_iou: 0.351235568523407
913 Epoch 10/499: 8%|███████| 12/160 [01:19<15:33, 6.31s/it]print_dice: 0.47175779938697815
    , print_iou: 0.3086930811405182
914 print_dice: 0.5108265280723572, print_iou: 0.34302687644958496
915 Epoch 10/499: 9%|███████| 14/160 [01:32<15:11, 6.24s/it]print_dice: 0.522864580154419

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915 , print_iou: 0.35397201776504517
916 Epoch 10/499: 9%|█          | 15/160 [01:38<14:59, 6.20s/it]print_dice: 0.5742430686950684
, print_iou: 0.40276363492012024
917 Epoch 10/499: 10%|█         | 16/160 [01:44<15:00, 6.25s/it]print_dice: 0.5851388573646545
, print_iou: 0.4135662615299225
918 print_dice: 0.4700208008289337, print_iou: 0.307207316160202
919 Epoch 10/499: 11%|█        | 18/160 [01:57<14:45, 6.24s/it]print_dice: 0.5445911884307861
, print_iou: 0.37418434023857117
920 Epoch 10/499: 12%|█       | 19/160 [02:03<14:34, 6.20s/it]print_dice: 0.48880913853645325
, print_iou: 0.32345956563949585
921 print_dice: 0.4821583926677704, print_iou: 0.31766054034233093
922 Epoch 10/499: 13%|█      | 21/160 [02:15<14:27, 6.24s/it]print_dice: 0.5417711138725281
, print_iou: 0.3715267777442932
923 Epoch 10/499: 14%|█     | 22/160 [02:22<14:19, 6.23s/it]print_dice: 0.4871978163719177
, print_iou: 0.32204991579055786
924 Epoch 10/499: 14%|█     | 23/160 [02:28<14:08, 6.19s/it]print_dice: 0.5157386660575867
, print_iou: 0.3474716246128082
925 print_dice: 0.5555594563484192, print_iou: 0.3846191465854645
926 Epoch 10/499: 16%|█    | 25/160 [02:40<13:59, 6.22s/it]print_dice: 0.5415005087852478
, print_iou: 0.37127232551574707
927 Epoch 10/499: 16%|█    | 26/160 [02:46<13:49, 6.19s/it]print_dice: 0.6097434163093567
, print_iou: 0.4385833442211151
928 Epoch 10/499: 17%|█   | 27/160 [02:53<13:45, 6.21s/it]print_dice: 0.5768080353736877
, print_iou: 0.4052918255329132
929 print_dice: 0.5329098105430603, print_iou: 0.3632426857948303
930 Epoch 10/499: 18%|█   | 29/160 [03:05<13:30, 6.19s/it]print_dice: 0.5759923458099365
, print_iou: 0.40448683500289917
931 Epoch 10/499: 19%|█  | 30/160 [03:11<13:24, 6.19s/it]print_dice: 0.46832117438316345
, print_iou: 0.3057567775249481
932 Epoch 10/499: 19%|█  | 31/160 [03:17<13:18, 6.19s/it]print_dice: 0.5216767191886902
, print_iou: 0.35288405418395996
933 Epoch 10/499: 20%|█  | 32/160 [03:24<13:15, 6.21s/it]print_dice: 0.5668140053749084
, print_iou: 0.395492285490036
934 Epoch 10/499: 21%|█  | 33/160 [03:30<13:17, 6.28s/it]print_dice: 0.5559507608413696
, print_iou: 0.3849943280220032
935 print_dice: 0.4862076938152313, print_iou: 0.3211852014064789
936 Epoch 10/499: 22%|█ | 35/160 [03:42<12:54, 6.20s/it]print_dice: 0.5212917327880859
, print_iou: 0.3525318205356598
937 Epoch 10/499: 22%|█ | 36/160 [03:49<12:51, 6.22s/it]print_dice: 0.45223405957221985
, print_iou: 0.2921850383281708
938 Epoch 10/499: 23%|█ | 37/160 [03:55<12:44, 6.21s/it]print_dice: 0.4833248257637024
, print_iou: 0.31867390871047974
939 print_dice: 0.4836460053920746, print_iou: 0.3189532160758972
940 Epoch 10/499: 24%|█ | 39/160 [04:07<12:34, 6.24s/it]print_dice: 0.5027214884757996
, print_iou: 0.3357568085193634
941 print_dice: 0.4598878026008606, print_iou: 0.2986066937446594
942 Epoch 10/499: 26%|█ | 41/160 [04:20<12:27, 6.29s/it]print_dice: 0.5358064770698547
, print_iou: 0.3659396767616272
943 Epoch 10/499: 26%|█ | 42/160 [04:26<12:17, 6.25s/it]print_dice: 0.5516706705093384
, print_iou: 0.38090139627456665
944 Epoch 10/499: 27%|█ | 43/160 [04:32<12:14, 6.28s/it]print_dice: 0.5619415044784546
, print_iou: 0.3907639682292938
945 Epoch 10/499: 28%|█ | 44/160 [04:39<12:08, 6.28s/it]print_dice: 0.5642351508140564
, print_iou: 0.3929857611656189
946 Epoch 10/499: 28%|█ | 45/160 [04:45<12:05, 6.31s/it]print_dice: 0.5159344673156738
, print_iou: 0.34764939546585083
947 Epoch 10/499: 29%|█ | 46/160 [04:51<11:53, 6.26s/it]print_dice: 0.40501001477241516
, print_iou: 0.2539263665676117
948 print_dice: 0.5625503659248352, print_iou: 0.3913531005382538
949 Epoch 10/499: 30%|█ | 48/160 [05:04<11:40, 6.25s/it]print_dice: 0.5255456566810608
, print_iou: 0.35643401741981506
950 Epoch 10/499: 31%|█ | 49/160 [05:10<11:38, 6.29s/it]print_dice: 0.4661262631416321
, print_iou: 0.3038882911205292
951 Epoch 10/499: 31%|█ | 50/160 [05:16<11:28, 6.26s/it]print_dice: 0.4223538637161255
, print_iou: 0.2677114009857178
952 Epoch 10/499: 32%|█ | 51/160 [05:23<11:23, 6.27s/it]print_dice: 0.49728500843048096
, print_iou: 0.330924391746521
953 Epoch 10/499: 32%|█ | 52/160 [05:29<11:18, 6.29s/it]print_dice: 0.5269384980201721
, print_iou: 0.35771656036376953

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954 Epoch 10/499: 33%|██████| 53/160 [05:35<11:13, 6.29s/it]print_dice: 0.5088390111923218
, print_iou: 0.34123679995536804
955 print_dice: 0.5909265279769897, print_iou: 0.41937240958213806
956 Epoch 10/499: 34%|██████| 55/160 [05:48<10:52, 6.21s/it]print_dice: 0.5228767395019531
, print_iou: 0.35398316383361816
957 Epoch 10/499: 35%|██████| 56/160 [05:54<10:46, 6.21s/it]print_dice: 0.4578917920589447
, print_iou: 0.2969258427619934
958 Epoch 10/499: 36%|██████| 57/160 [06:00<10:39, 6.20s/it]print_dice: 0.5425342917442322
, print_iou: 0.37224501371383667
959 Epoch 10/499: 36%|██████| 58/160 [06:06<10:36, 6.24s/it]print_dice: 0.547400951385498
, print_iou: 0.3768424391746521
960 Epoch 10/499: 37%|██████| 59/160 [06:12<10:28, 6.22s/it]print_dice: 0.5011963248252869
, print_iou: 0.3343975841999054
961 Epoch 10/499: 38%|██████| 60/160 [06:19<10:25, 6.25s/it]print_dice: 0.5321972370147705
, print_iou: 0.36258089542388916
962 print_dice: 0.5240244269371033, print_iou: 0.3550359606742859
963 Epoch 10/499: 39%|██████| 62/160 [06:31<10:07, 6.19s/it]print_dice: 0.4874265193939209
, print_iou: 0.3222498297691345
964 print_dice: 0.5407282710075378, print_iou: 0.3705466389656067
965 Epoch 10/499: 40%|██████| 64/160 [06:43<09:55, 6.21s/it]print_dice: 0.4429016709327698
, print_iou: 0.28444039821624756
966 Epoch 10/499: 41%|██████| 65/160 [06:50<09:49, 6.20s/it]print_dice: 0.4422241449356079
, print_iou: 0.2838817536830902
967 print_dice: 0.5333966612815857, print_iou: 0.3636952340602875
968 Epoch 10/499: 42%|██████| 67/160 [07:02<09:38, 6.22s/it]print_dice: 0.5618941783905029
, print_iou: 0.3907182514667511
969 Epoch 10/499: 42%|██████| 68/160 [07:08<09:32, 6.22s/it]print_dice: 0.5508546233177185
, print_iou: 0.3801237940788269
970 Epoch 10/499: 43%|██████| 69/160 [07:15<09:26, 6.23s/it]print_dice: 0.5681676864624023
, print_iou: 0.3968116044998169
971 print_dice: 0.55116868019104, print_iou: 0.3804229199886322
972 Epoch 10/499: 44%|██████| 71/160 [07:27<09:11, 6.20s/it]print_dice: 0.5003560185432434
, print_iou: 0.3336498737335205
973 Epoch 10/499: 45%|██████| 72/160 [07:33<09:05, 6.19s/it]print_dice: 0.539738655090332
, print_iou: 0.36961787939071655
974 Epoch 10/499: 46%|██████| 73/160 [07:39<08:59, 6.20s/it]print_dice: 0.5198720097541809
, print_iou: 0.351234495639801
975 Epoch 10/499: 46%|██████| 74/160 [07:45<08:49, 6.15s/it]print_dice: 0.
43381476402282715, print_iou: 0.2769881784915924
976 print_dice: 0.548088788986206, print_iou: 0.3774947226047516
977 Epoch 10/499: 48%|██████| 76/160 [07:58<08:43, 6.24s/it]print_dice: 0.5190892815589905
, print_iou: 0.3505202829837799
978 print_dice: 0.4861629903316498, print_iou: 0.3211461901664734
979 Epoch 10/499: 49%|██████| 78/160 [08:11<08:34, 6.27s/it]print_dice: 0.5383567810058594
, print_iou: 0.3683229684829712
980 Epoch 10/499: 49%|██████| 79/160 [08:17<08:27, 6.27s/it]print_dice: 0.
49629101157188416, print_iou: 0.33004456758499146
981 print_dice: 0.5002937316894531, print_iou: 0.33359450101852417
982 Epoch 10/499: 51%|██████| 81/160 [08:29<08:15, 6.27s/it]print_dice: 0.5346143841743469
, print_iou: 0.3648284673690796
983 Epoch 10/499: 51%|██████| 82/160 [08:36<08:09, 6.27s/it]print_dice: 0.
45268064737319946, print_iou: 0.2925580143928528
984 Epoch 10/499: 52%|██████| 83/160 [08:42<08:01, 6.26s/it]print_dice: 0.5081261396408081
, print_iou: 0.34059593081474304
985 print_dice: 0.51241534948349, print_iou: 0.3444612920284271
986 Epoch 10/499: 53%|██████| 85/160 [08:54<07:48, 6.24s/it]print_dice: 0.5527814626693726
, print_iou: 0.38196128606796265
987 Epoch 10/499: 54%|██████| 86/160 [09:01<07:41, 6.23s/it]print_dice: 0.5059176087379456
, print_iou: 0.33861425518989563
988 Epoch 10/499: 54%|██████| 87/160 [09:07<07:38, 6.28s/it]print_dice: 0.4616469144821167
, print_iou: 0.3000916540622711
989 print_dice: 0.5174482464790344, print_iou: 0.3490254282951355
990 Epoch 10/499: 56%|██████| 89/160 [09:20<07:25, 6.28s/it]print_dice: 0.51348876953125
, print_iou: 0.3454321324825287
991 Epoch 10/499: 56%|██████| 90/160 [09:26<07:16, 6.24s/it]print_dice: 0.5602403879165649
, print_iou: 0.38912078738212585
992 print_dice: 0.5493034720420837, print_iou: 0.3786481022834778
993 Epoch 10/499: 57%|██████| 92/160 [09:38<07:05, 6.26s/it]print_dice: 0.5512831211090088
, print_iou: 0.38053199648857117

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994 Epoch 10/499: 58%|███████| 93/160 [09:44<06:57, 6.23s/it]print_dice: 0.
    42598652839660645, print_iou: 0.2706371545791626
995 Epoch 10/499: 59%|███████| 94/160 [09:51<06:52, 6.24s/it]print_dice: 0.5517877340316772
    , print_iou: 0.38101300597190857
996 Epoch 10/499: 59%|███████| 95/160 [09:57<06:48, 6.29s/it]print_dice: 0.5357297658920288
    , print_iou: 0.36586812138557434
997 Epoch 10/499: 60%|███████| 96/160 [10:03<06:43, 6.31s/it]print_dice: 0.
    47599682211875916, print_iou: 0.31233322620391846
998 print_dice: 0.5033331513404846, print_iou: 0.3363027572631836
999 Epoch 10/499: 61%|███████| 98/160 [10:16<06:25, 6.22s/it]print_dice: 0.4712650775909424
    , print_iou: 0.30827128887176514
1000 Epoch 10/499: 62%|███████| 99/160 [10:22<06:20, 6.24s/it]print_dice: 0.5327200889587402
    , print_iou: 0.3630664348602295
1001 Epoch 10/499: 62%|███████| 100/160 [10:28<06:14, 6.24s/it]print_dice: 0.
    4856625497341156, print_iou: 0.32070958614349365
1002 Epoch 10/499: 63%|███████| 101/160 [10:34<06:07, 6.24s/it]print_dice: 0.
    49770545959472656, print_iou: 0.3312968611717224
1003 [100/160] eta: 0:06:17 time: 6.2489 data: 0.0004
1004 print_dice: 0.42742180824279785, print_iou: 0.271796852350235
1005 Epoch 10/499: 64%|███████| 103/160 [10:47<05:56, 6.26s/it]print_dice: 0.
    5247859358787537, print_iou: 0.3557354509830475
1006 Epoch 10/499: 65%|███████| 104/160 [10:53<05:49, 6.25s/it]print_dice: 0.
    4315822422504425, print_iou: 0.2751704454421997
1007 Epoch 10/499: 66%|███████| 105/160 [11:00<05:45, 6.29s/it]print_dice: 0.
    4745236933231354, print_iou: 0.3110659122467041
1008 Epoch 10/499: 66%|███████| 106/160 [11:06<05:36, 6.23s/it]print_dice: 0.
    5080439448356628, print_iou: 0.34052205085754395
1009 Epoch 10/499: 67%|███████| 107/160 [11:12<05:29, 6.22s/it]print_dice: 0.
    5326300263404846, print_iou: 0.36298277974128723
1010 Epoch 10/499: 68%|███████| 108/160 [11:18<05:23, 6.23s/it]print_dice: 0.
    5275814533233643, print_iou: 0.35830944776535034
1011 print_dice: 0.5655288100242615, print_iou: 0.3942420184612274
1012 Epoch 10/499: 69%|███████| 110/160 [11:31<05:11, 6.23s/it]print_dice: 0.
    4314204156398773, print_iou: 0.2750388979911804
1013 Epoch 10/499: 69%|███████| 111/160 [11:37<05:05, 6.23s/it]print_dice: 0.
    4777310788631439, print_iou: 0.31382831931114197
1014 Epoch 10/499: 70%|███████| 112/160 [11:43<04:59, 6.24s/it]print_dice: 0.51506108045578
    , print_iou: 0.3468567430973053
1015 Epoch 10/499: 71%|███████| 113/160 [11:49<04:53, 6.25s/it]print_dice: 0.509041428565979
    , print_iou: 0.3414188623428345
1016 Epoch 10/499: 71%|███████| 114/160 [11:56<04:53, 6.39s/it]print_dice: 0.
    49986985325813293, print_iou: 0.33321765065193176
1017 Epoch 10/499: 72%|███████| 115/160 [12:02<04:46, 6.37s/it]print_dice: 0.
    45374390482902527, print_iou: 0.293446809053421
1018 print_dice: 0.4857754409313202, print_iou: 0.3208080530166626
1019 Epoch 10/499: 73%|███████| 117/160 [12:15<04:28, 6.25s/it]print_dice: 0.
    4479244649410248, print_iou: 0.28859707713127136
1020 Epoch 10/499: 74%|███████| 118/160 [12:21<04:22, 6.25s/it]print_dice: 0.
    5319977402687073, print_iou: 0.362395703792572
1021 Epoch 10/499: 74%|███████| 119/160 [12:27<04:15, 6.24s/it]print_dice: 0.
    5448690056800842, print_iou: 0.37444669008255005
1022 Epoch 10/499: 75%|███████| 120/160 [12:33<04:08, 6.22s/it]print_dice: 0.
    5834295153617859, print_iou: 0.41186055541038513
1023 Epoch 10/499: 76%|███████| 121/160 [12:40<04:02, 6.21s/it]print_dice: 0.
    4872575104236603, print_iou: 0.3221020996570587
1024 Epoch 10/499: 76%|███████| 122/160 [12:46<03:56, 6.22s/it]print_dice: 0.
    5996584892272949, print_iou: 0.42822301387786865
1025 Epoch 10/499: 77%|███████| 123/160 [12:52<03:49, 6.21s/it]print_dice: 0.
    6179121136665344, print_iou: 0.4470859467983246
1026 Epoch 10/499: 78%|███████| 124/160 [12:58<03:42, 6.19s/it]print_dice: 0.
    4720330238342285, print_iou: 0.30892881751060486
1027 print_dice: 0.5733272433280945, print_iou: 0.4018631875514984
1028 Epoch 10/499: 79%|███████| 126/160 [13:11<03:31, 6.23s/it]print_dice: 0.
    5318866968154907, print_iou: 0.36229270696640015
1029 Epoch 10/499: 79%|███████| 127/160 [13:17<03:25, 6.23s/it]print_dice: 0.496660977602005
    , print_iou: 0.3303718864917755
1030 Epoch 10/499: 80%|███████| 128/160 [13:23<03:18, 6.20s/it]print_dice: 0.
    5324143767356873, print_iou: 0.36278247833251953
1031 Epoch 10/499: 81%|███████| 129/160 [13:29<03:14, 6.28s/it]print_dice: 0.

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1031 5398343801498413, print_iou: 0.3697076439857483
1032 Epoch 10/499: 81%|██████████| 130/160 [13:36<03:08, 6.28s/it]print_dice: 0.
5132431387901306, print_iou: 0.34520983695983887
1033 Epoch 10/499: 82%|██████████| 131/160 [13:42<03:02, 6.28s/it]print_dice: 0.521162748336792
, print_iou: 0.3524138331413269
1034 Epoch 10/499: 82%|██████████| 132/160 [13:48<02:55, 6.27s/it]print_dice: 0.
5238737463951111, print_iou: 0.3548976182937622
1035 Epoch 10/499: 83%|██████████| 133/160 [13:55<02:49, 6.29s/it]print_dice: 0.
5328966975212097, print_iou: 0.36323049664497375
1036 Epoch 10/499: 84%|██████████| 134/160 [14:01<02:42, 6.24s/it]print_dice: 0.
47961997985839844, print_iou: 0.31546059250831604
1037 Epoch 10/499: 84%|██████████| 135/160 [14:07<02:36, 6.24s/it]print_dice: 0.
5836828351020813, print_iou: 0.41211310029029846
1038 Epoch 10/499: 85%|██████████| 136/160 [14:13<02:29, 6.24s/it]print_dice: 0.
5915985703468323, print_iou: 0.42004966735839844
1039 Epoch 10/499: 86%|██████████| 137/160 [14:19<02:22, 6.21s/it]print_dice: 0.
5127466917037964, print_iou: 0.34476086497306824
1040 Epoch 10/499: 86%|██████████| 138/160 [14:26<02:16, 6.21s/it]print_dice: 0.
47428250312805176, print_iou: 0.31085866689682007
1041 Epoch 10/499: 87%|██████████| 139/160 [14:32<02:10, 6.22s/it]print_dice: 0.
5151273608207703, print_iou: 0.3469168543815613
1042 Epoch 10/499: 88%|██████████| 140/160 [14:38<02:04, 6.20s/it]print_dice: 0.
4732690453529358, print_iou: 0.30998849868774414
1043 Epoch 10/499: 88%|██████████| 141/160 [14:44<01:57, 6.18s/it]print_dice: 0.
5435044169425964, print_iou: 0.3731589615345001
1044 Epoch 10/499: 89%|██████████| 142/160 [14:50<01:52, 6.24s/it]print_dice: 0.
5069849491119385, print_iou: 0.3395712375640869
1045 Epoch 10/499: 89%|██████████| 143/160 [14:57<01:46, 6.26s/it]print_dice: 0.
5375738143920898, print_iou: 0.36759036779403687
1046 Epoch 10/499: 90%|██████████| 144/160 [15:03<01:40, 6.27s/it]print_dice: 0.
5372010469436646, print_iou: 0.36724188923835754
1047 Epoch 10/499: 91%|██████████| 145/160 [15:09<01:34, 6.32s/it]print_dice: 0.509515106678009
, print_iou: 0.34184518456459045
1048 Epoch 10/499: 91%|██████████| 146/160 [15:16<01:28, 6.30s/it]print_dice: 0.
5828762650489807, print_iou: 0.4113093614578247
1049 print_dice: 0.5255263447761536, print_iou: 0.356416255235672
1050 Epoch 10/499: 92%|██████████| 148/160 [15:28<01:15, 6.32s/it]print_dice: 0.
5087581872940063, print_iou: 0.34116411209106445
1051 Epoch 10/499: 93%|██████████| 149/160 [15:35<01:09, 6.29s/it]print_dice: 0.
5172202587127686, print_iou: 0.34881797432899475
1052 Epoch 10/499: 94%|██████████| 150/160 [15:41<01:02, 6.29s/it]print_dice: 0.
5385152697563171, print_iou: 0.3684713542461395
1053 Epoch 10/499: 94%|██████████| 151/160 [15:47<00:56, 6.29s/it]print_dice: 0.
5223487019538879, print_iou: 0.35349932312965393
1054 Epoch 10/499: 95%|██████████| 152/160 [15:53<00:50, 6.30s/it]print_dice: 0.
5026850700378418, print_iou: 0.3357243537902832
1055 Epoch 10/499: 96%|██████████| 153/160 [16:00<00:44, 6.31s/it]print_dice: 0.
5625584125518799, print_iou: 0.391360878944397
1056 Epoch 10/499: 96%|██████████| 154/160 [16:06<00:37, 6.27s/it]print_dice: 0.
5945597887039185, print_iou: 0.4230416715145111
1057 Epoch 10/499: 97%|██████████| 155/160 [16:12<00:31, 6.27s/it]print_dice: 0.
4620162546634674, print_iou: 0.3004038631916046
1058 print_dice: 0.46067386865615845, print_iou: 0.29926982522010803
1059 Epoch 10/499: 98%|██████████| 157/160 [16:25<00:18, 6.29s/it]print_dice: 0.
5153600573539734, print_iou: 0.3471279740333557
1060 print_dice: 0.5083004236221313, print_iou: 0.34075257182121277
1061 Epoch 10/499: 99%|██████████| 159/160 [16:37<00:06, 6.21s/it]print_dice: 0.
5178570747375488, print_iou: 0.3493975102901459
1062 print_dice: 0.5478044152259827, print_iou: 0.37722495198249817
1063 [159/160] eta: 0:00:06 time: 6.2654 data: 0.0007
1064 Epoch 10/499: 100%|██████████| 160/160 [16:44<00:00, 6.28s/it]
1065 Total time: 0:16:44 (6.2783 s / it)
1066 Averaged stats: training_loss: -200.6320 (-200.6320) loss_mask: -200.5683 (-200.5683)
loss_dice: -0.0636 (-0.0636)
1067 Net parameter norm: 1053.8366570542566
1068 Validating...
1069 Valid_data_loader len: 12
1070 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
sigmoid values: tensor([0.0023, 0.0024, 0.0024, ..., 0.9995, 0.9996, 0.9996],

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1071     grad_fn=<Unique2Backward0>)
1072  8%|███████| 1/12 [00:09<01:40, 9.12s/it]print_dice: 0.5325566530227661, print_iou: 0.
    36291465163230896
1073  [ 0/12] eta: 0:01:49 time: 9.1194 data: 4.8434
1074 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0031, 0.0031
    , 0.0032, ..., 0.9997, 0.9997, 0.9997],
1075     grad_fn=<Unique2Backward0>)
1076 17%|███████| 2/12 [00:13<01:02, 6.25s/it]print_dice: 0.5741847157478333, print_iou: 0.
    4027062654495239
1077 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0035, 0.0035
    , 0.0036, ..., 0.9996, 0.9996, 0.9997],
1078     grad_fn=<Unique2Backward0>)
1079 25%|███████| 3/12 [00:17<00:47, 5.27s/it]print_dice: 0.5079030394554138, print_iou: 0.
    340395450592041
1080 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0041, 0.0042
    , 0.0042, ..., 0.9995, 0.9995, 0.9995],
1081     grad_fn=<Unique2Backward0>)
1082 33%|███████| 4/12 [00:21<00:38, 4.82s/it]print_dice: 0.5023478865623474, print_iou: 0.
    33542361855506897
1083 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0033, 0.0033
    , 0.0034, ..., 0.9997, 0.9997, 0.9997],
1084     grad_fn=<Unique2Backward0>)
1085 print_dice: 0.5544362664222717, print_iou: 0.38354331254959106
1086 42%|███████| 5/12 [00:25<00:31, 4.55s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([0.0066, 0.0069, 0.0070, ..., 0.9974, 0.9974, 0.9976],
1087     grad_fn=<Unique2Backward0>)
1088 50%|███████| 6/12 [00:29<00:26, 4.43s/it]print_dice: 0.49087703227996826, print_iou: 0
    .3252730667591095
1089 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0023, 0.0024
    , 0.0024, ..., 0.9996, 0.9996, 0.9996],
1090     grad_fn=<Unique2Backward0>)
1091 58%|███████| 7/12 [00:34<00:22, 4.41s/it]print_dice: 0.44801706075668335, print_iou: 0
    .2886739671230316
1092 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0016, 0.0016
    , 0.0016, ..., 0.9996, 0.9996, 0.9997],
1093     grad_fn=<Unique2Backward0>)
1094 67%|███████| 8/12 [00:38<00:17, 4.31s/it]print_dice: 0.5314010381698608, print_iou: 0.
    36184218525886536
1095 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0027, 0.0027
    , 0.0028, ..., 0.9996, 0.9996, 0.9996],
1096     grad_fn=<Unique2Backward0>)
1097 print_dice: 0.5409180521965027, print_iou: 0.37072494626045227
1098 75%|███████| 9/12 [00:42<00:12, 4.30s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([0.0030, 0.0030, 0.0031, ..., 0.9996, 0.9996, 0.9996],
1099     grad_fn=<Unique2Backward0>)
1100 83%|███████| 10/12 [00:46<00:08, 4.22s/it]print_dice: 0.5471290946006775, print_iou: 0
    .3765847682952881
1101 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0021, 0.0021
    , 0.0021, ..., 0.9996, 0.9996, 0.9996],
1102     grad_fn=<Unique2Backward0>)
1103 print_dice: 0.6000598669052124, print_iou: 0.42863255739212036
1104 92%|███████| 11/12 [00:50<00:04, 4.19s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([0.0023, 0.0024, 0.0024, ..., 0.9995, 0.9996, 0.9996],
1105     grad_fn=<Unique2Backward0>)
1106 100%|███████| 12/12 [00:54<00:00, 4.19s/it]print_dice: 0.5590551495552063, print_iou: 0
    .3879781663417816
1107 [11/12] eta: 0:00:04 time: 4.5815 data: 0.4040
1108 Total time: 0:00:55 (4.6184 s / it)
1109 =====
1110 Averaged stats:
1111 100%|███████| 12/12 [00:55<00:00, 4.62s/it]
1112 Epoch 11/499: 0%|███████| 0/160 [00:00<?, ?it/s]come here save at work_dirs/DrSAM_b
1113 epoch: 11 learning rate: 1e-06
1114 Epoch 11/499: 1%|███████| 1/160 [00:10<28:05, 10.60s/it]print_dice: 0.5321826338768005
    , print_iou: 0.36256736516952515
1115 [ 0/160] eta: 0:28:16 time: 10.6009 data: 4.1830
1116 print_dice: 0.42255592346191406, print_iou: 0.2678737938404083
1117 Epoch 11/499: 2%|███████| 3/160 [00:23<18:58, 7.25s/it]print_dice: 0.43286579847335815
    , print_iou: 0.2762148976325989

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1118 print_dice: 0.5556046366691589, print_iou: 0.3846624195575714
1119 Epoch 11/499: 3%|█          | 5/160 [00:35<17:08, 6.63s/it]print_dice: 0.5090538263320923
, print_iou: 0.34143006801605225
1120 Epoch 11/499: 4%|█          | 6/160 [00:41<16:41, 6.50s/it]print_dice: 0.4710277020931244
, print_iou: 0.308068186044693
1121 print_dice: 0.5505354404449463, print_iou: 0.3798198699951172
1122 Epoch 11/499: 5%|█          | 8/160 [00:54<16:12, 6.40s/it]print_dice: 0.5756996273994446
, print_iou: 0.40419816970825195
1123 Epoch 11/499: 6%|█          | 9/160 [01:00<16:05, 6.39s/it]print_dice: 0.5319457054138184
, print_iou: 0.36234745383262634
1124 Epoch 11/499: 6%|█          | 10/160 [01:07<15:53, 6.36s/it]print_dice: 0.5783588290214539
, print_iou: 0.4068247675895691
1125 Epoch 11/499: 7%|█          | 11/160 [01:13<15:43, 6.33s/it]print_dice: 0.4744926691055298
, print_iou: 0.3110392689704895
1126 print_dice: 0.4492728114128113, print_iou: 0.28971749544143677
1127 Epoch 11/499: 8%|█          | 13/160 [01:26<15:29, 6.32s/it]print_dice: 0.
45828503370285034, print_iou: 0.2972566485404968
1128 Epoch 11/499: 9%|█          | 14/160 [01:32<15:20, 6.30s/it]print_dice: 0.5342413783073425
, print_iou: 0.364481121301651
1129 Epoch 11/499: 9%|█          | 15/160 [01:38<15:11, 6.29s/it]print_dice: 0.5726901292800903
, print_iou: 0.4012373983860016
1130 Epoch 11/499: 10%|█         | 16/160 [01:44<15:07, 6.30s/it]print_dice: 0.5802342891693115
, print_iou: 0.4086831212043762
1131 Epoch 11/499: 11%|█         | 17/160 [01:51<15:01, 6.30s/it]print_dice: 0.4486749768257141
, print_iou: 0.2892204821109772
1132 Epoch 11/499: 11%|█         | 18/160 [01:57<14:54, 6.30s/it]print_dice: 0.5190573930740356
, print_iou: 0.3504912555217743
1133 print_dice: 0.5141199827194214, print_iou: 0.3460036814212799
1134 Epoch 11/499: 12%|█         | 20/160 [02:10<14:38, 6.28s/it]print_dice: 0.5077632665634155
, print_iou: 0.34026992321014404
1135 print_dice: 0.4908880591392517, print_iou: 0.3252827227115631
1136 Epoch 11/499: 14%|█         | 22/160 [02:22<14:29, 6.30s/it]print_dice: 0.5823590159416199
, print_iou: 0.4107944369316101
1137 Epoch 11/499: 14%|█         | 23/160 [02:28<14:23, 6.30s/it]print_dice: 0.4857977628707886
, print_iou: 0.32082754373550415
1138 Epoch 11/499: 15%|█         | 24/160 [02:35<14:14, 6.28s/it]print_dice: 0.5300399661064148
, print_iou: 0.3605812191963196
1139 print_dice: 0.5169970393180847, print_iou: 0.34861499071121216
1140 Epoch 11/499: 16%|█         | 26/160 [02:47<14:00, 6.27s/it]print_dice: 0.5142964720726013
, print_iou: 0.3461635708808899
1141 Epoch 11/499: 17%|█         | 27/160 [02:54<13:57, 6.30s/it]print_dice: 0.
45120495557785034, print_iou: 0.29132646322250366
1142 Epoch 11/499: 18%|█         | 28/160 [03:00<13:54, 6.32s/it]print_dice: 0.4799957275390625
, print_iou: 0.3157857656478882
1143 print_dice: 0.5649733543395996, print_iou: 0.39370235800743103
1144 Epoch 11/499: 19%|█         | 30/160 [03:13<13:42, 6.33s/it]print_dice: 0.5484868884086609
, print_iou: 0.3778725266456604
1145 print_dice: 0.49857455492019653, print_iou: 0.33206748962402344
1146 Epoch 11/499: 20%|█         | 32/160 [03:25<13:26, 6.30s/it]print_dice: 0.5171149969100952
, print_iou: 0.3487222492694855
1147 Epoch 11/499: 21%|█         | 33/160 [03:31<13:18, 6.28s/it]print_dice: 0.5384129881858826
, print_iou: 0.3683755695819855
1148 Epoch 11/499: 21%|█         | 34/160 [03:38<13:06, 6.24s/it]print_dice: 0.4639517664909363
, print_iou: 0.3020424544811249
1149 Epoch 11/499: 22%|█         | 35/160 [03:44<12:58, 6.23s/it]print_dice: 0.5894293189048767
, print_iou: 0.4178658425807953
1150 print_dice: 0.5116943717002869, print_iou: 0.3438100218772888
1151 Epoch 11/499: 23%|█         | 37/160 [03:56<12:52, 6.28s/it]print_dice: 0.5462616682052612
, print_iou: 0.3757634460926056
1152 print_dice: 0.4984225928783417, print_iou: 0.3319326639175415
1153 Epoch 11/499: 24%|█         | 39/160 [04:09<12:38, 6.27s/it]print_dice: 0.5185733437538147
, print_iou: 0.3500499725341797
1154 Epoch 11/499: 25%|█         | 40/160 [04:15<12:30, 6.25s/it]print_dice: 0.5428118109703064
, print_iou: 0.372506320476532
1155 Epoch 11/499: 26%|█         | 41/160 [04:21<12:25, 6.26s/it]print_dice: 0.4466291666030884
, print_iou: 0.287522554397583
1156 Epoch 11/499: 26%|█         | 42/160 [04:28<12:18, 6.26s/it]print_dice: 0.5192212462425232
, print_iou: 0.3506406843662262
1157 print_dice: 0.47658759355545044, print_iou: 0.31284213066101074

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1158 Epoch 11/499: 28%|██████| 44/160 [04:40<12:10, 6.30s/it]print_dice: 0.5282724499702454
, print_iou: 0.35894715785980225
1159 Epoch 11/499: 28%|██████| 45/160 [04:47<12:04, 6.30s/it]print_dice: 0.5370742082595825
, print_iou: 0.3671233355998993
1160 print_dice: 0.5335910320281982, print_iou: 0.36387598514556885
1161 Epoch 11/499: 29%|██████| 47/160 [04:59<11:52, 6.31s/it]print_dice: 0.4826897382736206
, print_iou: 0.3181219696998596
1162 Epoch 11/499: 30%|██████| 48/160 [05:05<11:39, 6.24s/it]print_dice: 0.5268182158470154
, print_iou: 0.3576057255268097
1163 Epoch 11/499: 31%|██████| 49/160 [05:12<11:35, 6.26s/it]print_dice: 0.5511960387229919
, print_iou: 0.38044899702072144
1164 Epoch 11/499: 31%|██████| 50/160 [05:18<11:28, 6.26s/it]print_dice: 0.
49757686257362366, print_iou: 0.33118292689323425
1165 print_dice: 0.5820310115814209, print_iou: 0.41046810150146484
1166 Epoch 11/499: 32%|██████| 52/160 [05:31<11:16, 6.26s/it]print_dice: 0.5264884233474731
, print_iou: 0.35730189085006714
1167 Epoch 11/499: 33%|██████| 53/160 [05:37<11:11, 6.27s/it]print_dice: 0.5239670872688293
, print_iou: 0.3549833595752716
1168 Epoch 11/499: 34%|██████| 54/160 [05:43<11:01, 6.24s/it]print_dice: 0.4188893735408783
, print_iou: 0.26493364572525024
1169 Epoch 11/499: 34%|██████| 55/160 [05:49<10:57, 6.27s/it]print_dice: 0.5233147144317627
, print_iou: 0.3543846905231476
1170 Epoch 11/499: 35%|██████| 56/160 [05:56<10:50, 6.25s/it]print_dice: 0.5358136296272278
, print_iou: 0.36594632267951965
1171 Epoch 11/499: 36%|██████| 57/160 [06:02<10:54, 6.36s/it]print_dice: 0.
49725115299224854, print_iou: 0.3308943808078766
1172 Epoch 11/499: 36%|██████| 58/160 [06:09<10:51, 6.39s/it]print_dice: 0.5804599523544312
, print_iou: 0.40890705585479736
1173 Epoch 11/499: 37%|██████| 59/160 [06:15<10:45, 6.39s/it]print_dice: 0.5080403089523315
, print_iou: 0.3405187726020813
1174 Epoch 11/499: 38%|██████| 60/160 [06:21<10:35, 6.35s/it]print_dice: 0.4593270421028137
, print_iou: 0.2981340289115906
1175 Epoch 11/499: 38%|██████| 61/160 [06:27<10:23, 6.30s/it]print_dice: 0.5492984652519226
, print_iou: 0.37864333391189575
1176 Epoch 11/499: 39%|██████| 62/160 [06:34<10:14, 6.27s/it]print_dice: 0.5340574383735657
, print_iou: 0.3643099367618561
1177 Epoch 11/499: 39%|██████| 63/160 [06:40<10:08, 6.27s/it]print_dice: 0.4849027395248413
, print_iou: 0.3200472593307495
1178 print_dice: 0.4598124623298645, print_iou: 0.29854315519332886
1179 Epoch 11/499: 41%|██████| 65/160 [06:52<09:51, 6.23s/it]print_dice: 0.5554436445236206
, print_iou: 0.3845081031322479
1180 print_dice: 0.5521474480628967, print_iou: 0.3813561499118805
1181 Epoch 11/499: 42%|██████| 67/160 [07:05<09:42, 6.27s/it]print_dice: 0.5014273524284363
, print_iou: 0.33460330963134766
1182 print_dice: 0.437177449464798, print_iou: 0.27973583340644836
1183 Epoch 11/499: 43%|██████| 69/160 [07:17<09:31, 6.28s/it]print_dice: 0.
49915173649787903, print_iou: 0.33257973194122314
1184 print_dice: 0.46920156478881836, print_iou: 0.30650773644447327
1185 Epoch 11/499: 44%|██████| 71/160 [07:30<09:17, 6.27s/it]print_dice: 0.5115892291069031
, print_iou: 0.343715101480484
1186 Epoch 11/499: 45%|██████| 72/160 [07:36<09:12, 6.27s/it]print_dice: 0.6016010046005249
, print_iou: 0.43020695447921753
1187 print_dice: 0.4298090934753418, print_iou: 0.27373045682907104
1188 Epoch 11/499: 46%|██████| 74/160 [07:49<09:03, 6.32s/it]print_dice: 0.5276099443435669
, print_iou: 0.3583357334136963
1189 Epoch 11/499: 47%|██████| 75/160 [07:55<08:55, 6.30s/it]print_dice: 0.5357221961021423
, print_iou: 0.36586105823516846
1190 Epoch 11/499: 48%|██████| 76/160 [08:02<08:50, 6.32s/it]print_dice: 0.4769369065761566
, print_iou: 0.313143253326416
1191 Epoch 11/499: 48%|██████| 77/160 [08:08<08:44, 6.32s/it]print_dice: 0.
48410138487815857, print_iou: 0.3193494379520416
1192 Epoch 11/499: 49%|██████| 78/160 [08:14<08:38, 6.32s/it]print_dice: 0.
43713411688804626, print_iou: 0.2797003388404846
1193 Epoch 11/499: 49%|██████| 79/160 [08:21<08:33, 6.33s/it]print_dice: 0.
49558690190315247, print_iou: 0.32942208647727966
1194 print_dice: 0.5318337678909302, print_iou: 0.36224356293678284
1195 Epoch 11/499: 51%|██████| 81/160 [08:33<08:16, 6.28s/it]print_dice: 0.4623039960861206
, print_iou: 0.30064719915390015
1196 Epoch 11/499: 51%|██████| 82/160 [08:39<08:07, 6.26s/it]print_dice: 0.5216838717460632

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1196 , print_iou: 0.35289061069488525
1197 print_dice: 0.5678736567497253, print_iou: 0.3965248167514801
1198 Epoch 11/499: 52%|██████| 84/160 [08:52<07:57, 6.28s/it]print_dice: 0.4929787218570709
, print_iou: 0.3271212577819824
1199 Epoch 11/499: 53%|██████| 85/160 [08:58<07:51, 6.29s/it]print_dice: 0.5397271513938904
, print_iou: 0.3696070611476898
1200 Epoch 11/499: 54%|██████| 86/160 [09:04<07:43, 6.27s/it]print_dice: 0.5676908493041992
, print_iou: 0.3963465690612793
1201 Epoch 11/499: 54%|██████| 87/160 [09:11<07:37, 6.27s/it]print_dice: 0.5344821810722351
, print_iou: 0.36470532417297363
1202 Epoch 11/499: 55%|██████| 88/160 [09:17<07:27, 6.21s/it]print_dice: 0.510699450969696
, print_iou: 0.3429122865200043
1203 print_dice: 0.4765719473361969, print_iou: 0.3128286302089691
1204 Epoch 11/499: 56%|██████| 90/160 [09:29<07:14, 6.21s/it]print_dice: 0.5661769509315491
, print_iou: 0.39487224817276
1205 print_dice: 0.4944683611392975, print_iou: 0.32843437790870667
1206 Epoch 11/499: 57%|██████| 92/160 [09:42<07:08, 6.30s/it]print_dice: 0.5601546168327332
, print_iou: 0.3890380561351776
1207 Epoch 11/499: 58%|██████| 93/160 [09:48<06:59, 6.26s/it]print_dice: 0.515278697013855
, print_iou: 0.3470541536808014
1208 Epoch 11/499: 59%|██████| 94/160 [09:54<06:50, 6.22s/it]print_dice: 0.515960693359375
, print_iou: 0.3476731777191162
1209 Epoch 11/499: 59%|██████| 95/160 [10:00<06:43, 6.20s/it]print_dice: 0.5736212730407715
, print_iou: 0.4021521806716919
1210 print_dice: 0.5499230027198792, print_iou: 0.3792371153831482
1211 Epoch 11/499: 61%|██████| 97/160 [10:13<06:31, 6.21s/it]print_dice: 0.5684983134269714
, print_iou: 0.3971342146396637
1212 Epoch 11/499: 61%|██████| 98/160 [10:19<06:25, 6.21s/it]print_dice: 0.4952123463153839
, print_iou: 0.3290911912918091
1213 print_dice: 0.5057011246681213, print_iou: 0.3384203314781189
1214 Epoch 11/499: 62%|██████| 100/160 [10:32<06:15, 6.26s/it]print_dice: 0.
5794175267219543, print_iou: 0.4078732132911682
1215 Epoch 11/499: 63%|██████| 101/160 [10:38<06:10, 6.27s/it]print_dice: 0.
49014490842819214, print_iou: 0.32463040947914124
1216 [100/160] eta: 0:06:19 time: 6.2424 data: 0.0004
1217 print_dice: 0.40404778718948364, print_iou: 0.25317034125328064
1218 Epoch 11/499: 64%|██████| 103/160 [10:51<06:00, 6.33s/it]print_dice: 0.
4785490036010742, print_iou: 0.31453460454940796
1219 print_dice: 0.4805482029914856, print_iou: 0.31626418232917786
1220 Epoch 11/499: 66%|██████| 105/160 [11:03<05:47, 6.32s/it]print_dice: 0.
49915003776550293, print_iou: 0.33257824182510376
1221 print_dice: 0.5258285999298096, print_iou: 0.3566943407058716
1222 Epoch 11/499: 67%|██████| 107/160 [11:16<05:32, 6.28s/it]print_dice: 0.
5388896465301514, print_iou: 0.36882197856903076
1223 Epoch 11/499: 68%|██████| 108/160 [11:22<05:24, 6.25s/it]print_dice: 0.
5203126072883606, print_iou: 0.3516368567943573
1224 Epoch 11/499: 68%|██████| 109/160 [11:28<05:21, 6.30s/it]print_dice: 0.
5082762837409973, print_iou: 0.34073081612586975
1225 print_dice: 0.5269593596458435, print_iou: 0.357735812664032
1226 Epoch 11/499: 69%|██████| 111/160 [11:41<05:08, 6.29s/it]print_dice: 0.
5314666032791138, print_iou: 0.36190298199653625
1227 print_dice: 0.5765525102615356, print_iou: 0.405039519071579
1228 Epoch 11/499: 71%|██████| 113/160 [11:53<04:55, 6.29s/it]print_dice: 0.
5531520843505859, print_iou: 0.3823153078556061
1229 Epoch 11/499: 71%|██████| 114/160 [12:00<04:49, 6.28s/it]print_dice: 0.
5135143995285034, print_iou: 0.3454553484916687
1230 print_dice: 0.43757784366607666, print_iou: 0.28006377816200256
1231 Epoch 11/499: 72%|██████| 116/160 [12:12<04:36, 6.29s/it]print_dice: 0.
44644248485565186, print_iou: 0.2873678505420685
1232 Epoch 11/499: 73%|██████| 117/160 [12:19<04:31, 6.31s/it]print_dice: 0.597498893737793
, print_iou: 0.42602381110191345
1233 print_dice: 0.5399695038795471, print_iou: 0.36983439326286316
1234 Epoch 11/499: 74%|██████| 119/160 [12:31<04:17, 6.29s/it]print_dice: 0.
5768791437149048, print_iou: 0.4053620398044586
1235 Epoch 11/499: 75%|██████| 120/160 [12:37<04:10, 6.26s/it]print_dice: 0.
5133154392242432, print_iou: 0.34527531266212463
1236 print_dice: 0.46428731083869934, print_iou: 0.3023269474506378
1237 Epoch 11/499: 76%|██████| 122/160 [12:50<03:57, 6.25s/it]print_dice: 0.48033607006073
, print_iou: 0.3160804808139801

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1238 Epoch 11/499: 77%|███████| 123/160 [12:56<03:54, 6.33s/it]print_dice: 0.5752643942832947, print_iou: 0.40376925468444824
1239 Epoch 11/499: 78%|███████| 124/160 [13:03<03:49, 6.38s/it]print_dice: 0.537667453289032, print_iou: 0.3676779270172119
1240 print_dice: 0.5024722814559937, print_iou: 0.33553454279899597
1241 Epoch 11/499: 79%|███████| 126/160 [13:15<03:34, 6.32s/it]print_dice: 0.5062873959541321, print_iou: 0.3389456570148468
1242 Epoch 11/499: 79%|███████| 127/160 [13:21<03:26, 6.26s/it]print_dice: 0.5127759575843811, print_iou: 0.3447872996330261
1243 print_dice: 0.5448347330093384, print_iou: 0.374414324760437
1244 Epoch 11/499: 81%|███████| 129/160 [13:34<03:14, 6.28s/it]print_dice: 0.527764618396759, print_iou: 0.3584783971309662
1245 Epoch 11/499: 81%|███████| 130/160 [13:40<03:08, 6.29s/it]print_dice: 0.5075820088386536, print_iou: 0.34010711312294006
1246 Epoch 11/499: 82%|███████| 131/160 [13:47<03:02, 6.30s/it]print_dice: 0.5093539357185364, print_iou: 0.34170013666152954
1247 Epoch 11/499: 82%|███████| 132/160 [13:53<02:56, 6.32s/it]print_dice: 0.5749985575675964, print_iou: 0.40350738167762756
1248 print_dice: 0.48297443985939026, print_iou: 0.3183693587779999
1249 Epoch 11/499: 84%|███████| 134/160 [14:06<02:44, 6.32s/it]print_dice: 0.42318907380104065, print_iou: 0.2683829069137573
1250 Epoch 11/499: 84%|███████| 135/160 [14:12<02:37, 6.31s/it]print_dice: 0.5176106095314026, print_iou: 0.3491731882095337
1251 Epoch 11/499: 85%|███████| 136/160 [14:18<02:30, 6.28s/it]print_dice: 0.47154659032821655, print_iou: 0.30851224064826965
1252 Epoch 11/499: 86%|███████| 137/160 [14:24<02:23, 6.25s/it]print_dice: 0.532057523727417, print_iou: 0.3624512255191803
1253 print_dice: 0.5006011128425598, print_iou: 0.3338678777217865
1254 Epoch 11/499: 87%|███████| 139/160 [14:37<02:11, 6.26s/it]print_dice: 0.4830023944377899, print_iou: 0.31839364767074585
1255 Epoch 11/499: 88%|███████| 140/160 [14:43<02:05, 6.26s/it]print_dice: 0.5227059125900269, print_iou: 0.3538265824317932
1256 Epoch 11/499: 88%|███████| 141/160 [14:49<01:59, 6.28s/it]print_dice: 0.5434964299201965, print_iou: 0.3731514811515808
1257 print_dice: 0.5822588801383972, print_iou: 0.41069474816322327
1258 Epoch 11/499: 89%|███████| 143/160 [15:02<01:47, 6.34s/it]print_dice: 0.56635981798172, print_iou: 0.39505019783973694
1259 Epoch 11/499: 90%|███████| 144/160 [15:09<01:41, 6.34s/it]print_dice: 0.5655478835105896, print_iou: 0.39426055550575256
1260 print_dice: 0.526665210723877, print_iou: 0.3574647307395935
1261 Epoch 11/499: 91%|███████| 146/160 [15:21<01:28, 6.32s/it]print_dice: 0.5088621377944946, print_iou: 0.34125760197639465
1262 print_dice: 0.5254237055778503, print_iou: 0.3563218116760254
1263 Epoch 11/499: 92%|███████| 148/160 [15:34<01:15, 6.33s/it]print_dice: 0.48974278569221497, print_iou: 0.32427772879600525
1264 Epoch 11/499: 93%|███████| 149/160 [15:40<01:09, 6.28s/it]print_dice: 0.5095310211181641, print_iou: 0.3418595492839813
1265 Epoch 11/499: 94%|███████| 150/160 [15:46<01:02, 6.26s/it]print_dice: 0.481570839881897, print_iou: 0.31715068221092224
1266 Epoch 11/499: 94%|███████| 151/160 [15:53<00:56, 6.27s/it]print_dice: 0.4557937979698181, print_iou: 0.2951638102531433
1267 print_dice: 0.49637553095817566, print_iou: 0.33011937141418457
1268 Epoch 11/499: 96%|███████| 153/160 [16:05<00:43, 6.27s/it]print_dice: 0.5204917788505554, print_iou: 0.3518005311489105
1269 Epoch 11/499: 96%|███████| 154/160 [16:12<00:37, 6.33s/it]print_dice: 0.5851808190345764, print_iou: 0.413608193397522
1270 print_dice: 0.4900818169116974, print_iou: 0.3245750665664673
1271 Epoch 11/499: 98%|███████| 156/160 [16:24<00:25, 6.35s/it]print_dice: 0.5000559091567993, print_iou: 0.3333830237388611
1272 print_dice: 0.45608511567115784, print_iou: 0.2954081892967224
1273 Epoch 11/499: 99%|███████| 158/160 [16:37<00:12, 6.37s/it]print_dice: 0.5201799869537354, print_iou: 0.3515157103538513
1274 print_dice: 0.4405967593193054, print_iou: 0.2825419008731842
1275 Epoch 11/499: 100%|███████| 160/160 [16:49<00:00, 6.28s/it]print_dice: 0.5516797304153442, print_iou: 0.3809100389480591
1276 [159/160] eta: 0:00:06 time: 6.3137 data: 0.0004
1277 Total time: 0:16:50 (6.3172 s / it)
1278 Averaged stats: training_loss: -526.7832 (-526.7832) loss_mask: -526.6417 (-526.6417)
loss_dice: -0.1415 (-0.1415)
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1279 Epoch 11/499: 100%|██████████| 160/160 [16:50<00:00, 6.32s/it]
1280 Net parameter norm: 1053.8358576408355
1281 0%|██████████| 0/12 [00:00<?, ?it/s]Validating...
1282 Valid_dataloader len: 12
1283 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0056, 0.0057
, 0.0057, ..., 0.9983, 0.9984, 0.9984],
1284 grad_fn=<Unique2Backward0>)
1285 8%|██████████| 1/12 [00:09<01:40, 9.13s/it]print_dice: 0.5269554257392883, print_iou: 0.
3577321767807007
1286 [ 0/12] eta: 0:01:49 time: 9.1257 data: 4.8547
1287 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0019, 0.0020
, 0.0020, ..., 0.9997, 0.9997, 0.9997],
1288 grad_fn=<Unique2Backward0>)
1289 print_dice: 0.5797179937362671, print_iou: 0.40817102789878845
1290 17%|██████████| 2/12 [00:13<01:01, 6.19s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0019, 0.0019, 0.0020, ..., 0.9997, 0.9997, 0.9997],
1291 grad_fn=<Unique2Backward0>)
1292 print_dice: 0.5016602277755737, print_iou: 0.33481070399284363
1293 25%|██████████| 3/12 [00:17<00:47, 5.24s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0019, 0.0019, 0.0020, ..., 0.9997, 0.9997, 0.9997],
1294 grad_fn=<Unique2Backward0>)
1295 33%|██████████| 4/12 [00:21<00:38, 4.85s/it]print_dice: 0.5042172074317932, print_iou: 0.
3370925188064575
1296 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0046, 0.0046
, 0.0047, ..., 0.9983, 0.9983, 0.9984],
1297 grad_fn=<Unique2Backward0>)
1298 42%|██████████| 5/12 [00:25<00:31, 4.57s/it]print_dice: 0.5545980930328369, print_iou: 0.
3836981952190399
1299 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0014, 0.0014
, 0.0015, ..., 0.9997, 0.9997, 0.9997],
1300 grad_fn=<Unique2Backward0>)
1301 50%|██████████| 6/12 [00:29<00:26, 4.45s/it]print_dice: 0.485729843378067, print_iou: 0.
3207682967185974
1302 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0050, 0.0051
, 0.0051, ..., 0.9972, 0.9973, 0.9973],
1303 grad_fn=<Unique2Backward0>)
1304 58%|██████████| 7/12 [00:34<00:21, 4.36s/it]print_dice: 0.4411833882331848, print_iou: 0.
2830245792865753
1305 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0060, 0.0060
, 0.0062, ..., 0.9985, 0.9985, 0.9985],
1306 grad_fn=<Unique2Backward0>)
1307 67%|██████████| 8/12 [00:38<00:17, 4.32s/it]print_dice: 0.5265128016471863, print_iou: 0.
3573243319988251
1308 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0050, 0.0050
, 0.0051, ..., 0.9987, 0.9988, 0.9988],
1309 grad_fn=<Unique2Backward0>)
1310 75%|██████████| 9/12 [00:42<00:12, 4.30s/it]print_dice: 0.540795087814331, print_iou: 0.
3706094026565552
1311 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0052, 0.0053
, 0.0053, ..., 0.9987, 0.9987, 0.9987],
1312 grad_fn=<Unique2Backward0>)
1313 83%|██████████| 10/12 [00:46<00:08, 4.25s/it]print_dice: 0.5442606806755066, print_iou: 0
.3738723397254944
1314 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0019, 0.0019
, 0.0020, ..., 0.9997, 0.9997, 0.9997],
1315 grad_fn=<Unique2Backward0>)
1316 92%|██████████| 11/12 [00:50<00:04, 4.20s/it]print_dice: 0.5931898951530457, print_iou: 0
.4216559827327728
1317 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0063, 0.0064
, 0.0064, ..., 0.9976, 0.9976, 0.9977],
1318 grad_fn=<Unique2Backward0>)
1319 100%|██████████| 12/12 [00:54<00:00, 4.18s/it]print_dice: 0.5597291588783264, print_iou: 0
.38862770795822144
1320 [11/12] eta: 0:00:04 time: 4.5753 data: 0.4053
1321 Total time: 0:00:55 (4.6094 s / it)
1322 =====
1323 Averaged stats:
1324 100%|██████████| 12/12 [00:55<00:00, 4.61s/it]
1325 epoch: 12 learning rate: 1e-06

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1326 Epoch 12/499: 1%|          | 1/160 [00:10<27:58, 10.56s/it]print_dice: 0.5063042044639587
    , print_iou: 0.338960736989975
1327 [ 0/160] eta: 0:28:09   time: 10.5588  data: 4.0779
1328 Epoch 12/499: 1%||         | 2/160 [00:16<21:00, 7.98s/it]print_dice: 0.4528340995311737
    , print_iou: 0.29268619418144226
1329 print_dice: 0.5381837487220764, print_iou: 0.36816102266311646
1330 Epoch 12/499: 2%||         | 4/160 [00:29<17:55, 6.90s/it]print_dice: 0.520808219909668
    , print_iou: 0.3520897328853607
1331 Epoch 12/499: 3%||         | 5/160 [00:35<17:17, 6.69s/it]print_dice: 0.49870842695236206
    , print_iou: 0.3321862518787384
1332 Epoch 12/499: 4%||         | 6/160 [00:42<16:50, 6.56s/it]print_dice: 0.47539255023002625
    , print_iou: 0.311813086271286
1333 Epoch 12/499: 4%||         | 7/160 [00:48<16:27, 6.45s/it]print_dice: 0.5122528076171875
    , print_iou: 0.34431442618370056
1334 Epoch 12/499: 5%||         | 8/160 [00:54<16:14, 6.41s/it]print_dice: 0.5585473775863647
    , print_iou: 0.3874892294406891
1335 Epoch 12/499: 6%||         | 9/160 [01:00<16:06, 6.40s/it]print_dice: 0.5043507218360901
    , print_iou: 0.3372119069099426
1336 Epoch 12/499: 6%|█        | 10/160 [01:07<15:57, 6.38s/it]print_dice: 0.5451974272727966
    , print_iou: 0.37475696206092834
1337 Epoch 12/499: 7%|█        | 11/160 [01:13<15:48, 6.37s/it]print_dice: 0.4941509962081909
    , print_iou: 0.32815441489219666
1338 Epoch 12/499: 8%|█        | 12/160 [01:19<15:37, 6.34s/it]print_dice: 0.4562419354915619
    , print_iou: 0.2955397963523865
1339 Epoch 12/499: 8%|█        | 13/160 [01:26<15:28, 6.32s/it]print_dice: 0.5033924579620361
    , print_iou: 0.33635565638542175
1340 Epoch 12/499: 9%|█        | 14/160 [01:32<15:22, 6.32s/it]print_dice: 0.4434143304824829
    , print_iou: 0.2848634421825409
1341 print_dice: 0.4675672650337219, print_iou: 0.30511435866355896
1342 Epoch 12/499: 10%|█       | 16/160 [01:45<15:05, 6.29s/it]print_dice: 0.5410616397857666
    , print_iou: 0.37085986137390137
1343 print_dice: 0.5614427924156189, print_iou: 0.39028188586235046
1344 Epoch 12/499: 11%|█       | 18/160 [01:57<14:55, 6.30s/it]print_dice: 0.4325144588947296
    , print_iou: 0.2759288251399994
1345 Epoch 12/499: 12%|█       | 19/160 [02:04<14:48, 6.30s/it]print_dice: 0.5453023910522461
    , print_iou: 0.37485620379447937
1346 Epoch 12/499: 12%|█       | 20/160 [02:10<14:47, 6.34s/it]print_dice: 0.4770026206970215
    , print_iou: 0.313199907541275
1347 Epoch 12/499: 13%|█       | 21/160 [02:16<14:45, 6.37s/it]print_dice: 0.4989526867866516
    , print_iou: 0.3324030339717865
1348 Epoch 12/499: 14%|█       | 22/160 [02:23<14:36, 6.35s/it]print_dice: 0.4632863998413086
    , print_iou: 0.30147868394851685
1349 print_dice: 0.5053289532661438, print_iou: 0.3380870521068573
1350 Epoch 12/499: 15%|█       | 24/160 [02:35<14:21, 6.33s/it]print_dice: 0.5707651376724243
    , print_iou: 0.3993501365184784
1351 Epoch 12/499: 16%|█       | 25/160 [02:42<14:12, 6.31s/it]print_dice: 0.5378105640411377
    , print_iou: 0.36781179904937744
1352 print_dice: 0.5273352265357971, print_iou: 0.3580823242664337
1353 Epoch 12/499: 17%|█       | 27/160 [02:54<14:00, 6.32s/it]print_dice: 0.5109208226203918
    , print_iou: 0.34311193227767944
1354 Epoch 12/499: 18%|█       | 28/160 [03:01<13:52, 6.31s/it]print_dice: 0.5470455884933472
    , print_iou: 0.37650567293167114
1355 Epoch 12/499: 18%|█       | 29/160 [03:07<13:52, 6.35s/it]print_dice: 0.5991999506950378
    , print_iou: 0.42775553464889526
1356 Epoch 12/499: 19%|█       | 30/160 [03:13<13:42, 6.33s/it]print_dice: 0.4173718988895416
    , print_iou: 0.2637207508087158
1357 print_dice: 0.5708547830581665, print_iou: 0.39943787455558777
1358 Epoch 12/499: 20%|█       | 32/160 [03:26<13:28, 6.32s/it]print_dice: 0.5262759923934937
    , print_iou: 0.35710620880126953
1359 Epoch 12/499: 21%|█       | 33/160 [03:32<13:23, 6.32s/it]print_dice: 0.
45710018277168274, print_iou: 0.29626044631004333
1360 print_dice: 0.5913777351379395, print_iou: 0.41982704401016235
1361 Epoch 12/499: 22%|█       | 35/160 [03:45<13:07, 6.30s/it]print_dice: 0.5443270206451416
    , print_iou: 0.37393495440483093
1362 Epoch 12/499: 22%|█       | 36/160 [03:51<12:55, 6.26s/it]print_dice: 0.5186516642570496
    , print_iou: 0.35012131929397583
1363 Epoch 12/499: 23%|█       | 37/160 [03:57<12:51, 6.27s/it]print_dice: 0.
44757381081581116, print_iou: 0.28830602765083313
1364 Epoch 12/499: 24%|█       | 38/160 [04:04<12:46, 6.29s/it]print_dice: 0.5599344372749329

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1364 , print_iou: 0.3888256847858429
1365 Epoch 12/499: 24%|██████| 39/160 [04:10<12:34, 6.23s/it]print_dice: 0.4881267547607422
, print_iou: 0.3228622078895569
1366 Epoch 12/499: 25%|██████| 40/160 [04:16<12:29, 6.24s/it]print_dice: 0.4956341087818146
, print_iou: 0.32946380972862244
1367 Epoch 12/499: 26%|██████| 41/160 [04:22<12:22, 6.24s/it]print_dice: 0.4299125671386719
, print_iou: 0.2738144099712372
1368 Epoch 12/499: 26%|██████| 42/160 [04:28<12:17, 6.25s/it]print_dice: 0.4973919093608856
, print_iou: 0.3310190439224243
1369 Epoch 12/499: 27%|██████| 43/160 [04:35<12:15, 6.29s/it]print_dice: 0.5025870203971863
, print_iou: 0.3356368839740753
1370 print_dice: 0.4626297950744629, print_iou: 0.30092284083366394
1371 Epoch 12/499: 28%|██████| 45/160 [04:47<11:57, 6.24s/it]print_dice: 0.5063019394874573
, print_iou: 0.3389586806297302
1372 print_dice: 0.5296745896339417, print_iou: 0.3602430820465088
1373 Epoch 12/499: 29%|██████| 47/160 [04:59<11:40, 6.20s/it]print_dice: 0.5221221446990967
, print_iou: 0.3532918393611908
1374 Epoch 12/499: 30%|██████| 48/160 [05:06<11:40, 6.25s/it]print_dice: 0.5262824296951294
, print_iou: 0.3571121394634247
1375 Epoch 12/499: 31%|██████| 49/160 [05:12<11:41, 6.32s/it]print_dice: 0.
46200990676879883, print_iou: 0.30039849877357483
1376 Epoch 12/499: 31%|██████| 50/160 [05:19<11:36, 6.33s/it]print_dice: 0.4825025498867035
, print_iou: 0.31795939803123474
1377 print_dice: 0.4653383195400238, print_iou: 0.3032188415527344
1378 Epoch 12/499: 32%|██████| 52/160 [05:31<11:19, 6.29s/it]print_dice: 0.5260865092277527
, print_iou: 0.3569317162036896
1379 print_dice: 0.5056766271591187, print_iou: 0.33839836716651917
1380 Epoch 12/499: 34%|██████| 54/160 [05:44<11:02, 6.25s/it]print_dice: 0.5051373243331909
, print_iou: 0.3379155397415161
1381 Epoch 12/499: 34%|██████| 55/160 [05:50<10:55, 6.24s/it]print_dice: 0.5727659463882446
, print_iou: 0.40131187438964844
1382 Epoch 12/499: 35%|██████| 56/160 [05:56<10:47, 6.22s/it]print_dice: 0.5134351849555969
, print_iou: 0.3453836739063263
1383 Epoch 12/499: 36%|██████| 57/160 [06:02<10:40, 6.22s/it]print_dice: 0.
43509241938591003, print_iou: 0.27803072333335876
1384 Epoch 12/499: 36%|██████| 58/160 [06:08<10:29, 6.17s/it]print_dice: 0.
47103172540664673, print_iou: 0.3080716133117676
1385 print_dice: 0.49227356910705566, print_iou: 0.3265005946159363
1386 Epoch 12/499: 38%|██████| 60/160 [06:21<10:18, 6.18s/it]print_dice: 0.5720540881156921
, print_iou: 0.40061330795288086
1387 print_dice: 0.5406816005706787, print_iou: 0.3705028295516968
1388 Epoch 12/499: 39%|██████| 62/160 [06:33<10:07, 6.20s/it]print_dice: 0.5386020541191101
, print_iou: 0.36855265498161316
1389 Epoch 12/499: 39%|██████| 63/160 [06:39<10:01, 6.20s/it]print_dice: 0.4592002034187317
, print_iou: 0.2980271577835083
1390 print_dice: 0.4999459385871887, print_iou: 0.33328527212142944
1391 Epoch 12/499: 41%|██████| 65/160 [06:52<09:46, 6.18s/it]print_dice: 0.
46588945388793945, print_iou: 0.3036870062351227
1392 Epoch 12/499: 41%|██████| 66/160 [06:58<09:38, 6.15s/it]print_dice: 0.5653142333030701
, print_iou: 0.3940334916114807
1393 print_dice: 0.42809349298477173, print_iou: 0.272340327501297
1394 Epoch 12/499: 42%|██████| 68/160 [07:10<09:31, 6.21s/it]print_dice: 0.5668442845344543
, print_iou: 0.39552173018455505
1395 Epoch 12/499: 43%|██████| 69/160 [07:17<09:27, 6.24s/it]print_dice: 0.5077042579650879
, print_iou: 0.3402169346809387
1396 Epoch 12/499: 44%|██████| 70/160 [07:23<09:20, 6.23s/it]print_dice: 0.5540722608566284
, print_iou: 0.38319501280784607
1397 Epoch 12/499: 44%|██████| 71/160 [07:29<09:14, 6.23s/it]print_dice: 0.6000928282737732
, print_iou: 0.4286661744117737
1398 Epoch 12/499: 45%|██████| 72/160 [07:35<09:05, 6.20s/it]print_dice: 0.5169345736503601
, print_iou: 0.3485581874847412
1399 print_dice: 0.5437706708908081, print_iou: 0.37341007590293884
1400 Epoch 12/499: 46%|██████| 74/160 [07:48<08:57, 6.25s/it]print_dice: 0.5453304052352905
, print_iou: 0.37488263845443726
1401 Epoch 12/499: 47%|██████| 75/160 [07:54<08:51, 6.26s/it]print_dice: 0.5162118077278137
, print_iou: 0.34790125489234924
1402 Epoch 12/499: 48%|██████| 76/160 [08:00<08:43, 6.23s/it]print_dice: 0.6056898236274719
, print_iou: 0.4344010651111603
1403 print_dice: 0.5749011039733887, print_iou: 0.4034113883972168
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1404 Epoch 12/499: 49%|██████| 78/160 [08:13<08:31, 6.24s/it]print_dice: 0.6123985648155212
, print_iou: 0.441336065530777
1405 print_dice: 0.438106894493103, print_iou: 0.28049734234809875
1406 Epoch 12/499: 50%|██████| 80/160 [08:25<08:16, 6.20s/it]print_dice: 0.5363802313804626
, print_iou: 0.3664751350879669
1407 Epoch 12/499: 51%|██████| 81/160 [08:31<08:10, 6.21s/it]print_dice: 0.
46741288900375366, print_iou: 0.30498290061950684
1408 Epoch 12/499: 51%|██████| 82/160 [08:38<08:05, 6.23s/it]print_dice: 0.4687308371067047
, print_iou: 0.3061060905456543
1409 Epoch 12/499: 52%|██████| 83/160 [08:44<08:01, 6.25s/it]print_dice: 0.5510120987892151
, print_iou: 0.3802737593650818
1410 Epoch 12/499: 52%|██████| 84/160 [08:50<07:53, 6.23s/it]print_dice: 0.5129565000534058
, print_iou: 0.3449505865573883
1411 print_dice: 0.4758080244064331, print_iou: 0.31217068433761597
1412 Epoch 12/499: 54%|██████| 86/160 [09:03<07:41, 6.23s/it]print_dice: 0.5284599661827087
, print_iou: 0.35912033915519714
1413 Epoch 12/499: 54%|██████| 87/160 [09:09<07:32, 6.20s/it]print_dice: 0.4454055428504944
, print_iou: 0.2865091562271118
1414 print_dice: 0.5036044120788574, print_iou: 0.3365449607372284
1415 Epoch 12/499: 56%|██████| 89/160 [09:21<07:21, 6.21s/it]print_dice: 0.575417697429657
, print_iou: 0.4039202928543091
1416 Epoch 12/499: 56%|██████| 90/160 [09:27<07:13, 6.20s/it]print_dice: 0.
46972888708114624, print_iou: 0.3069579601287842
1417 Epoch 12/499: 57%|██████| 91/160 [09:33<07:08, 6.21s/it]print_dice: 0.5133814811706543
, print_iou: 0.34533506631851196
1418 Epoch 12/499: 57%|██████| 92/160 [09:40<07:01, 6.19s/it]print_dice: 0.5128995776176453
, print_iou: 0.34489911794662476
1419 print_dice: 0.5428521633148193, print_iou: 0.3725442886352539
1420 Epoch 12/499: 59%|██████| 94/160 [09:52<06:50, 6.22s/it]print_dice: 0.5026167035102844
, print_iou: 0.3356633484363556
1421 Epoch 12/499: 59%|██████| 95/160 [09:58<06:46, 6.26s/it]print_dice: 0.
45886358618736267, print_iou: 0.29774364829063416
1422 Epoch 12/499: 60%|██████| 96/160 [10:05<06:43, 6.30s/it]print_dice: 0.
45004746317863464, print_iou: 0.29036208987236023
1423 Epoch 12/499: 61%|██████| 97/160 [10:11<06:37, 6.30s/it]print_dice: 0.4532741904258728
, print_iou: 0.2930540144443512
1424 Epoch 12/499: 61%|██████| 98/160 [10:17<06:29, 6.29s/it]print_dice: 0.
49090608954429626, print_iou: 0.32529857754707336
1425 print_dice: 0.49103498458862305, print_iou: 0.32541176676750183
1426 Epoch 12/499: 62%|██████| 100/160 [10:30<06:11, 6.19s/it]print_dice: 0.
4575413167476654, print_iou: 0.2966311573982239
1427 Epoch 12/499: 63%|██████| 101/160 [10:36<06:05, 6.20s/it]print_dice: 0.
5239253640174866, print_iou: 0.3549450635910034
1428 [100/160] eta: 0:06:18 time: 6.2285 data: 0.0006
1429 Epoch 12/499: 64%|██████| 102/160 [10:42<06:00, 6.21s/it]print_dice: 0.
5220827460289001, print_iou: 0.3532557189464569
1430 print_dice: 0.5731989741325378, print_iou: 0.40173715353012085
1431 Epoch 12/499: 65%|██████| 104/160 [10:55<05:48, 6.23s/it]print_dice: 0.
4776636064052582, print_iou: 0.313770055770874
1432 Epoch 12/499: 66%|██████| 105/160 [11:01<05:42, 6.23s/it]print_dice: 0.
5006740093231201, print_iou: 0.3339327275753021
1433 Epoch 12/499: 66%|██████| 106/160 [11:07<05:37, 6.24s/it]print_dice: 0.543962299823761
, print_iou: 0.3735908269882202
1434 Epoch 12/499: 67%|██████| 107/160 [11:13<05:32, 6.27s/it]print_dice: 0.
5296342968940735, print_iou: 0.36020582914352417
1435 print_dice: 0.5463199615478516, print_iou: 0.37581855058670044
1436 Epoch 12/499: 68%|██████| 109/160 [11:26<05:21, 6.30s/it]print_dice: 0.
5014524459838867, print_iou: 0.3346256613731384
1437 Epoch 12/499: 69%|██████| 110/160 [11:32<05:13, 6.28s/it]print_dice: 0.
5043895840644836, print_iou: 0.3372466564178467
1438 print_dice: 0.5537678599357605, print_iou: 0.3829038441181183
1439 Epoch 12/499: 70%|██████| 112/160 [11:45<04:57, 6.19s/it]print_dice: 0.
5032541155815125, print_iou: 0.33623218536376953
1440 print_dice: 0.5622743964195251, print_iou: 0.39108601212501526
1441 Epoch 12/499: 71%|██████| 114/160 [11:57<04:45, 6.20s/it]print_dice: 0.
5341338515281677, print_iou: 0.3643810451030731
1442 Epoch 12/499: 72%|██████| 115/160 [12:03<04:39, 6.22s/it]print_dice: 0.
49957728385925293, print_iou: 0.3329576849937439
1443 Epoch 12/499: 72%|██████| 116/160 [12:09<04:33, 6.21s/it]print_dice: 0.
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1443 5497970581054688, print_iou: 0.37911733984947205
1444 Epoch 12/499: 73%|██████████| 117/160 [12:16<04:28, 6.25s/it]print_dice: 0.
5573016405105591, print_iou: 0.38629114627838135
1445 Epoch 12/499: 74%|██████████| 118/160 [12:22<04:21, 6.23s/it]print_dice: 0.
5647857785224915, print_iou: 0.39352017641067505
1446 Epoch 12/499: 74%|██████████| 119/160 [12:28<04:15, 6.23s/it]print_dice: 0.
4972653388977051, print_iou: 0.3309069573879242
1447 Epoch 12/499: 75%|██████████| 120/160 [12:34<04:10, 6.26s/it]print_dice: 0.
5362312197685242, print_iou: 0.36633601784706116
1448 print_dice: 0.5460373759269714, print_iou: 0.37555116415023804
1449 Epoch 12/499: 76%|██████████| 122/160 [12:47<03:56, 6.23s/it]print_dice: 0.
6337754130363464, print_iou: 0.4638881981372833
1450 Epoch 12/499: 77%|██████████| 123/160 [12:53<03:51, 6.25s/it]print_dice: 0.
5304123759269714, print_iou: 0.3609260022640228
1451 print_dice: 0.46642059087753296, print_iou: 0.30413851141929626
1452 Epoch 12/499: 78%|██████████| 125/160 [13:06<03:38, 6.25s/it]print_dice: 0.
5246357321739197, print_iou: 0.35559743642807007
1453 Epoch 12/499: 79%|██████████| 126/160 [13:12<03:32, 6.25s/it]print_dice: 0.
5521750450134277, print_iou: 0.38138246536254883
1454 Epoch 12/499: 79%|██████████| 127/160 [13:18<03:26, 6.25s/it]print_dice: 0.
5931525230407715, print_iou: 0.42161819338798523
1455 print_dice: 0.5412229895591736, print_iou: 0.3710114657878876
1456 Epoch 12/499: 81%|██████████| 129/160 [13:31<03:14, 6.27s/it]print_dice: 0.
5385292768478394, print_iou: 0.3684844970703125
1457 Epoch 12/499: 81%|██████████| 130/160 [13:37<03:08, 6.27s/it]print_dice: 0.
5013167262077332, print_iou: 0.33450478315353394
1458 Epoch 12/499: 82%|██████████| 131/160 [13:43<03:03, 6.33s/it]print_dice: 0.
49904438853263855, print_iou: 0.3324844241142273
1459 print_dice: 0.530966579914093, print_iou: 0.36143940687179565
1460 Epoch 12/499: 83%|██████████| 133/160 [13:56<02:48, 6.25s/it]print_dice: 0.
49942389130592346, print_iou: 0.33282142877578735
1461 Epoch 12/499: 84%|██████████| 134/160 [14:02<02:42, 6.24s/it]print_dice: 0.
5552807450294495, print_iou: 0.38435202836990356
1462 Epoch 12/499: 84%|██████████| 135/160 [14:08<02:36, 6.28s/it]print_dice: 0.
5488174557685852, print_iou: 0.37818634510040283
1463 Epoch 12/499: 85%|██████████| 136/160 [14:15<02:30, 6.27s/it]print_dice: 0.
5962564945220947, print_iou: 0.42476171255111694
1464 print_dice: 0.5470142364501953, print_iou: 0.3764759600162506
1465 Epoch 12/499: 86%|██████████| 138/160 [14:27<02:16, 6.21s/it]print_dice: 0.
5430585741996765, print_iou: 0.3727388083934784
1466 print_dice: 0.5427364110946655, print_iou: 0.3724353015422821
1467 Epoch 12/499: 88%|██████████| 140/160 [14:39<02:04, 6.22s/it]print_dice: 0.
5509859323501587, print_iou: 0.3802488446235657
1468 Epoch 12/499: 88%|██████████| 141/160 [14:46<01:58, 6.25s/it]print_dice: 0.
6072303056716919, print_iou: 0.43598759174346924
1469 print_dice: 0.5304126739501953, print_iou: 0.3609263002872467
1470 Epoch 12/499: 89%|██████████| 143/160 [14:58<01:45, 6.23s/it]print_dice: 0.
4992765486240387, print_iou: 0.332690566778183
1471 print_dice: 0.48110532760620117, print_iou: 0.3167470097541809
1472 Epoch 12/499: 91%|██████████| 145/160 [15:11<01:33, 6.23s/it]print_dice: 0.
5097254514694214, print_iou: 0.34203457832336426
1473 print_dice: 0.42913416028022766, print_iou: 0.2731831967830658
1474 Epoch 12/499: 92%|██████████| 147/160 [15:23<01:21, 6.25s/it]print_dice: 0.
5776597261428833, print_iou: 0.4061332643032074
1475 Epoch 12/499: 92%|██████████| 148/160 [15:29<01:15, 6.26s/it]print_dice: 0.
5695717334747314, print_iou: 0.39818263053894043
1476 print_dice: 0.5114544630050659, print_iou: 0.34359344840049744
1477 Epoch 12/499: 94%|██████████| 150/160 [15:42<01:02, 6.28s/it]print_dice: 0.
5119209885597229, print_iou: 0.34401464462280273
1478 print_dice: 0.5003721714019775, print_iou: 0.3336642384529114
1479 Epoch 12/499: 95%|██████████| 152/160 [15:55<00:50, 6.26s/it]print_dice: 0.
4909595251083374, print_iou: 0.3253454864025116
1480 Epoch 12/499: 96%|██████████| 153/160 [16:01<00:44, 6.29s/it]print_dice: 0.
4150369465351105, print_iou: 0.26185905933380127
1481 print_dice: 0.5397680401802063, print_iou: 0.3696454167366028
1482 Epoch 12/499: 97%|██████████| 155/160 [16:13<00:31, 6.29s/it]print_dice: 0.
5576138496398926, print_iou: 0.38659122586250305
1483 Epoch 12/499: 98%|██████████| 156/160 [16:20<00:25, 6.29s/it]print_dice: 0.
4953945577144623, print_iou: 0.329252153635025

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1484 Epoch 12/499: 98%|██████████| 157/160 [16:26<00:18, 6.27s/it]print_dice: 0.
    4807630777359009, print_iou: 0.3164503574371338
1485 Epoch 12/499: 99%|██████████| 158/160 [16:32<00:12, 6.26s/it]print_dice: 0.
    4943163990974426, print_iou: 0.3283003270626068
1486 print_dice: 0.5244795083999634, print_iou: 0.35545387864112854
1487 Epoch 12/499: 100%|██████████| 160/160 [16:45<00:00, 6.22s/it]print_dice: 0.
    5577272176742554, print_iou: 0.38670024275779724
1488 [159/160] eta: 0:00:06 time: 6.2596 data: 0.0008
1489 Epoch 12/499: 100%|██████████| 160/160 [16:46<00:00, 6.29s/it]
1490 Total time: 0:16:46 (6.2893 s / it)
1491 Averaged stats: training_loss: 10.5242 (10.5242) loss_mask: 10.1965 (10.1965) loss_dice: 0
    .3277 (0.3277)
1492 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8354854531353
1493 Validating...
1494 Valid_dataloader len: 12
1495 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0018, 0.0019
    , 0.0019, ..., 0.9999, 0.9999, 0.9999],
1496 grad_fn=<Unique2Backward0>)
1497 8%|██████████| 1/12 [00:09<01:47, 9.79s/it]print_dice: 0.5700616836547852, print_iou: 0.
    39866170287132263
1498 [ 0/12] eta: 0:01:57 time: 9.7920 data: 5.6141
1499 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0015, 0.0016
    , 0.0016, ..., 0.9998, 0.9998, 0.9998],
1500 grad_fn=<Unique2Backward0>)
1501 17%|██████████| 2/12 [00:14<01:05, 6.53s/it]print_dice: 0.592598557472229, print_iou: 0.
    42105868458747864
1502 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0053, 0.0053
    , 0.0054, ..., 0.9993, 0.9993, 0.9993],
1503 grad_fn=<Unique2Backward0>)
1504 print_dice: 0.5384354591369629, print_iou: 0.36839666962623596
1505 25%|██████████| 3/12 [00:18<00:49, 5.50s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([0.0037, 0.0037, 0.0037, ..., 0.9992, 0.9992, 0.9992],
1506 grad_fn=<Unique2Backward0>)
1507 33%|██████████| 4/12 [00:22<00:39, 4.94s/it]print_dice: 0.5149040222167969, print_iou: 0.
    3467142879962921
1508 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0021, 0.0022
    , 0.0022, ..., 0.9999, 0.9999, 0.9999],
1509 grad_fn=<Unique2Backward0>)
1510 42%|██████████| 5/12 [00:26<00:32, 4.63s/it]print_dice: 0.5895534753799438, print_iou: 0.
    41799062490463257
1511 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0011, 0.0011
    , 0.0011, ..., 0.9999, 0.9999, 0.9999],
1512 grad_fn=<Unique2Backward0>)
1513 50%|██████████| 6/12 [00:30<00:26, 4.47s/it]print_dice: 0.5230457782745361, print_iou: 0.
    3541381061077118
1514 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0036, 0.0038
    , 0.0039, ..., 0.9985, 0.9986, 0.9986],
1515 grad_fn=<Unique2Backward0>)
1516 58%|██████████| 7/12 [00:34<00:22, 4.42s/it]print_dice: 0.4493037164211273, print_iou: 0.
    28974321484565735
1517 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([9.3647e-04, 9.
    4195e-04, 9.5002e-04, ..., 9.9989e-01, 9.9989e-01,
1518 9.9989e-01], grad_fn=<Unique2Backward0>)
1519 print_dice: 0.5586547255516052, print_iou: 0.3875925838947296
1520 67%|██████████| 8/12 [00:38<00:17, 4.28s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([0.0015, 0.0016, 0.0016, ..., 0.9998, 0.9998, 0.9998],
1521 grad_fn=<Unique2Backward0>)
1522 75%|██████████| 9/12 [00:43<00:12, 4.26s/it]print_dice: 0.5731709003448486, print_iou: 0.
    40170952677726746
1523 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0052, 0.0054
    , 0.0054, ..., 0.9991, 0.9992, 0.9992],
1524 grad_fn=<Unique2Backward0>)
1525 83%|██████████| 10/12 [00:47<00:08, 4.19s/it]print_dice: 0.5840824842453003, print_iou: 0
    .4125116765499115
1526 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0015, 0.0016
    , 0.0016, ..., 0.9998, 0.9998, 0.9998],
1527 grad_fn=<Unique2Backward0>)
1528 92%|██████████| 11/12 [00:51<00:04, 4.19s/it]print_dice: 0.6250579357147217, print_iou: 0
    .4546067416667938

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1529 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0053, 0.0053
, 0.0054, ..., 0.9991, 0.9991, 0.9992],
1530     grad_fn=<Unique2Backward0>)
1531 print_dice: 0.5878514051437378, print_iou: 0.416281521320343
1532 [11/12] eta: 0:00:04 time: 4.6161 data: 0.4683
1533 100%|██████████| 12/12 [00:55<00:00, 4.65s/it]
1534 Total time: 0:00:55 (4.6508 s / it)
1535 =====
1536 Averaged stats:
1537 epoch: 13 learning rate: 1e-06
1538 Epoch 13/499: 1%|██████████| 1/160 [00:10<27:33, 10.40s/it]print_dice: 0.5254798531532288
, print_iou: 0.35637345910072327
1539 [ 0/160] eta: 0:27:43 time: 10.3967 data: 4.1242
1540 print_dice: 0.4846680462360382, print_iou: 0.3198428153991699
1541 Epoch 13/499: 2%|██████████| 3/160 [00:22<18:41, 7.14s/it]print_dice: 0.5575369596481323
, print_iou: 0.38651734590530396
1542 Epoch 13/499: 2%|██████████| 4/160 [00:28<17:32, 6.74s/it]print_dice: 0.6480573415756226
, print_iou: 0.4793526828289032
1543 Epoch 13/499: 3%|██████████| 5/160 [00:35<16:54, 6.55s/it]print_dice: 0.5856853127479553
, print_iou: 0.4141124188899994
1544 print_dice: 0.5357032418251038, print_iou: 0.36584338545799255
1545 Epoch 13/499: 4%|██████████| 7/160 [00:47<16:22, 6.42s/it]print_dice: 0.5371585488319397
, print_iou: 0.36720216274261475
1546 print_dice: 0.45976775884628296, print_iou: 0.2985054850578308
1547 Epoch 13/499: 6%|██████████| 9/160 [01:00<15:49, 6.29s/it]print_dice: 0.5433357954025269
, print_iou: 0.37300005555152893
1548 Epoch 13/499: 6%|██████████| 10/160 [01:06<15:40, 6.27s/it]print_dice: 0.5606986880302429
, print_iou: 0.38956311345100403
1549 Epoch 13/499: 7%|██████████| 11/160 [01:12<15:40, 6.31s/it]print_dice: 0.5267657041549683
, print_iou: 0.3575572967529297
1550 print_dice: 0.5584344267845154, print_iou: 0.3873805105686188
1551 Epoch 13/499: 8%|██████████| 13/160 [01:25<15:19, 6.25s/it]print_dice: 0.
49493077397346497, print_iou: 0.32884252071380615
1552 Epoch 13/499: 9%|██████████| 14/160 [01:31<15:06, 6.21s/it]print_dice: 0.4796501100063324
, print_iou: 0.3154866695404053
1553 Epoch 13/499: 9%|██████████| 15/160 [01:37<15:00, 6.21s/it]print_dice: 0.5499065518379211
, print_iou: 0.37922146916389465
1554 Epoch 13/499: 10%|██████████| 16/160 [01:43<14:56, 6.23s/it]print_dice: 0.4926236569881439
, print_iou: 0.3268086612224579
1555 print_dice: 0.5099437236785889, print_iou: 0.3422311842441559
1556 Epoch 13/499: 11%|██████████| 18/160 [01:56<14:44, 6.23s/it]print_dice: 0.4720953702926636
, print_iou: 0.3089822232723236
1557 Epoch 13/499: 12%|██████████| 19/160 [02:02<14:36, 6.22s/it]print_dice: 0.4923146367073059
, print_iou: 0.32653671503067017
1558 Epoch 13/499: 12%|██████████| 20/160 [02:08<14:31, 6.23s/it]print_dice: 0.5644199252128601
, print_iou: 0.39316508173942566
1559 Epoch 13/499: 13%|██████████| 21/160 [02:14<14:23, 6.21s/it]print_dice: 0.4772849678993225
, print_iou: 0.3134433925151825
1560 Epoch 13/499: 14%|██████████| 22/160 [02:21<14:14, 6.19s/it]print_dice: 0.4336136281490326
, print_iou: 0.2768241763114929
1561 print_dice: 0.6158034801483154, print_iou: 0.4448815584182739
1562 Epoch 13/499: 15%|██████████| 24/160 [02:33<14:01, 6.19s/it]print_dice: 0.5366300940513611
, print_iou: 0.3667084574699402
1563 Epoch 13/499: 16%|██████████| 25/160 [02:39<13:53, 6.17s/it]print_dice: 0.
41395923495292664, print_iou: 0.2610016465187073
1564 Epoch 13/499: 16%|██████████| 26/160 [02:45<13:49, 6.19s/it]print_dice: 0.4988589882850647
, print_iou: 0.33231988549232483
1565 Epoch 13/499: 17%|██████████| 27/160 [02:52<13:46, 6.22s/it]print_dice: 0.4619646668434143
, print_iou: 0.30036023259162903
1566 Epoch 13/499: 18%|██████████| 28/160 [02:58<13:39, 6.21s/it]print_dice: 0.5334906578063965
, print_iou: 0.3637826442718506
1567 Epoch 13/499: 18%|██████████| 29/160 [03:04<13:36, 6.23s/it]print_dice: 0.5175613164901733
, print_iou: 0.3491283357143402
1568 Epoch 13/499: 19%|██████████| 30/160 [03:10<13:28, 6.22s/it]print_dice: 0.5000201463699341
, print_iou: 0.3333512246608734
1569 print_dice: 0.6004510521888733, print_iou: 0.4290318489074707
1570 Epoch 13/499: 20%|██████████| 32/160 [03:23<13:24, 6.29s/it]print_dice: 0.5271164178848267
, print_iou: 0.3578805923461914
1571 print_dice: 0.4613519012928009, print_iou: 0.29984235763549805

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1572 Epoch 13/499: 21%|██████| 34/160 [03:35<13:09, 6.27s/it]print_dice: 0.5491619110107422
, print_iou: 0.3785135746002197
1573 Epoch 13/499: 22%|██████| 35/160 [03:42<12:57, 6.22s/it]print_dice: 0.5442755818367004
, print_iou: 0.37388643622398376
1574 print_dice: 0.5254205465316772, print_iou: 0.3563188910484314
1575 Epoch 13/499: 23%|██████| 37/160 [03:54<12:49, 6.25s/it]print_dice: 0.5996253490447998
, print_iou: 0.428189218044281
1576 print_dice: 0.49104851484298706, print_iou: 0.3254236578941345
1577 Epoch 13/499: 24%|██████| 39/160 [04:07<12:35, 6.24s/it]print_dice: 0.513546347618103
, print_iou: 0.34548428654670715
1578 Epoch 13/499: 25%|██████| 40/160 [04:13<12:27, 6.23s/it]print_dice: 0.5285897254943848
, print_iou: 0.35924020409584045
1579 Epoch 13/499: 26%|██████| 41/160 [04:19<12:19, 6.21s/it]print_dice: 0.5344962477684021
, print_iou: 0.3647184669971466
1580 Epoch 13/499: 26%|██████| 42/160 [04:25<12:15, 6.23s/it]print_dice: 0.5019174814224243
, print_iou: 0.3350399434566498
1581 print_dice: 0.5047445297241211, print_iou: 0.337564080953598
1582 Epoch 13/499: 28%|██████| 44/160 [04:38<11:59, 6.20s/it]print_dice: 0.48348268866539
, print_iou: 0.31881117820739746
1583 Epoch 13/499: 28%|██████| 45/160 [04:44<11:57, 6.24s/it]print_dice: 0.
47573545575141907, print_iou: 0.31210818886756897
1584 Epoch 13/499: 29%|██████| 46/160 [04:50<11:47, 6.21s/it]print_dice: 0.5325248837471008
, print_iou: 0.36288508772850037
1585 Epoch 13/499: 29%|██████| 47/160 [04:56<11:41, 6.21s/it]print_dice: 0.5699136853218079
, print_iou: 0.39851701259613037
1586 print_dice: 0.5742358565330505, print_iou: 0.40275654196739197
1587 Epoch 13/499: 31%|██████| 49/160 [05:09<11:37, 6.28s/it]print_dice: 0.5083409547805786
, print_iou: 0.34078896045684814
1588 Epoch 13/499: 31%|██████| 50/160 [05:15<11:27, 6.25s/it]print_dice: 0.4750237762928009
, print_iou: 0.3114958703517914
1589 print_dice: 0.5160476565361023, print_iou: 0.347752183675766
1590 Epoch 13/499: 32%|██████| 52/160 [05:28<11:14, 6.25s/it]print_dice: 0.449664831161499
, print_iou: 0.2900436222553253
1591 Epoch 13/499: 33%|██████| 53/160 [05:34<11:08, 6.25s/it]print_dice: 0.5676193237304688
, print_iou: 0.39627689123153687
1592 Epoch 13/499: 34%|██████| 54/160 [05:40<11:02, 6.25s/it]print_dice: 0.
41989588737487793, print_iou: 0.265739381313324
1593 Epoch 13/499: 34%|██████| 55/160 [05:46<10:57, 6.26s/it]print_dice: 0.5576592087745667
, print_iou: 0.38663485646247864
1594 print_dice: 0.5354567766189575, print_iou: 0.36561352014541626
1595 Epoch 13/499: 36%|██████| 57/160 [05:59<10:47, 6.28s/it]print_dice: 0.5257120728492737
, print_iou: 0.35658708214759827
1596 Epoch 13/499: 36%|██████| 58/160 [06:05<10:42, 6.30s/it]print_dice: 0.553364634513855
, print_iou: 0.38251838088035583
1597 Epoch 13/499: 37%|██████| 59/160 [06:12<10:34, 6.28s/it]print_dice: 0.4948235750198364
, print_iou: 0.3287478983402252
1598 print_dice: 0.49409985542297363, print_iou: 0.3281092941761017
1599 Epoch 13/499: 38%|██████| 61/160 [06:24<10:24, 6.30s/it]print_dice: 0.
49646201729774475, print_iou: 0.3301958739757538
1600 print_dice: 0.5975441336631775, print_iou: 0.42606982588768005
1601 Epoch 13/499: 39%|██████| 63/160 [06:37<10:07, 6.26s/it]print_dice: 0.5297964215278625
, print_iou: 0.36035579442977905
1602 Epoch 13/499: 40%|██████| 64/160 [06:43<10:00, 6.25s/it]print_dice: 0.
49888476729393005, print_iou: 0.3323427438735962
1603 Epoch 13/499: 41%|██████| 65/160 [06:49<09:51, 6.23s/it]print_dice: 0.4632175862789154
, print_iou: 0.3014204204082489
1604 Epoch 13/499: 41%|██████| 66/160 [06:55<09:48, 6.26s/it]print_dice: 0.4498589336872101
, print_iou: 0.290205180644989
1605 Epoch 13/499: 42%|██████| 67/160 [07:02<09:47, 6.32s/it]print_dice: 0.
44048112630844116, print_iou: 0.28244683146476746
1606 print_dice: 0.6120150089263916, print_iou: 0.4409377872943878
1607 Epoch 13/499: 43%|██████| 69/160 [07:14<09:31, 6.29s/it]print_dice: 0.5316079258918762
, print_iou: 0.36203402280807495
1608 print_dice: 0.5769249200820923, print_iou: 0.40540722012519836
1609 Epoch 13/499: 44%|██████| 71/160 [07:27<09:20, 6.30s/it]print_dice: 0.5432286262512207
, print_iou: 0.37289902567863464
1610 Epoch 13/499: 45%|██████| 72/160 [07:33<09:16, 6.32s/it]print_dice: 0.4759875237941742
, print_iou: 0.31232520937919617
1611 Epoch 13/499: 46%|██████| 73/160 [07:40<09:11, 6.34s/it]print_dice: 0.5159335136413574

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1611 , print_iou: 0.3476485311985016
1612 print_dice: 0.5360671281814575, print_iou: 0.3661828637123108
1613 Epoch 13/499: 47%|██████| 75/160 [07:52<08:55, 6.31s/it]print_dice: 0.
49952593445777893, print_iou: 0.3329120874404907
1614 print_dice: 0.49578654766082764, print_iou: 0.3295985162258148
1615 Epoch 13/499: 48%|██████| 77/160 [08:05<08:44, 6.31s/it]print_dice: 0.4998563826084137
, print_iou: 0.3332056999206543
1616 print_dice: 0.5127200484275818, print_iou: 0.3447367250919342
1617 Epoch 13/499: 49%|██████| 79/160 [08:17<08:28, 6.28s/it]print_dice: 0.5714573264122009
, print_iou: 0.40002816915512085
1618 Epoch 13/499: 50%|██████| 80/160 [08:24<08:21, 6.27s/it]print_dice: 0.543597936630249
, print_iou: 0.3732471764087677
1619 print_dice: 0.5493901968002319, print_iou: 0.37873053550720215
1620 Epoch 13/499: 51%|██████| 82/160 [08:36<08:09, 6.28s/it]print_dice: 0.
46080297231674194, print_iou: 0.29937881231307983
1621 Epoch 13/499: 52%|██████| 83/160 [08:42<08:03, 6.28s/it]print_dice: 0.5160900950431824
, print_iou: 0.3477907180786133
1622 print_dice: 0.547680139541626, print_iou: 0.37710708379745483
1623 Epoch 13/499: 53%|██████| 85/160 [08:55<07:56, 6.35s/it]print_dice: 0.5286301970481873
, print_iou: 0.3592775762081146
1624 print_dice: 0.5981320738792419, print_iou: 0.4266679286956787
1625 Epoch 13/499: 54%|██████| 87/160 [09:08<07:38, 6.28s/it]print_dice: 0.
45683616399765015, print_iou: 0.2960386872291565
1626 Epoch 13/499: 55%|██████| 88/160 [09:14<07:29, 6.24s/it]print_dice: 0.5547040104866028
, print_iou: 0.38379961252212524
1627 print_dice: 0.43003183603286743, print_iou: 0.27391117811203003
1628 Epoch 13/499: 56%|██████| 90/160 [09:26<07:17, 6.25s/it]print_dice: 0.5089771151542664
, print_iou: 0.34136101603507996
1629 Epoch 13/499: 57%|██████| 91/160 [09:33<07:10, 6.24s/it]print_dice: 0.4812491536140442
, print_iou: 0.31687167286872864
1630 Epoch 13/499: 57%|██████| 92/160 [09:39<07:04, 6.24s/it]print_dice: 0.5594217777252197
, print_iou: 0.38833141326904297
1631 Epoch 13/499: 58%|██████| 93/160 [09:45<06:56, 6.21s/it]print_dice: 0.5136669874191284
, print_iou: 0.34559348225593567
1632 Epoch 13/499: 59%|██████| 94/160 [09:52<06:55, 6.29s/it]print_dice: 0.5501249432563782
, print_iou: 0.3794292211532593
1633 print_dice: 0.5461044311523438, print_iou: 0.37561458349227905
1634 Epoch 13/499: 60%|██████| 96/160 [10:04<06:41, 6.27s/it]print_dice: 0.5370669364929199
, print_iou: 0.3671165406703949
1635 Epoch 13/499: 61%|██████| 97/160 [10:10<06:33, 6.24s/it]print_dice: 0.5394817590713501
, print_iou: 0.36937692761421204
1636 Epoch 13/499: 61%|██████| 98/160 [10:16<06:26, 6.24s/it]print_dice: 0.5349986553192139
, print_iou: 0.3651864230632782
1637 Epoch 13/499: 62%|██████| 99/160 [10:23<06:19, 6.21s/it]print_dice: 0.
46664947271347046, print_iou: 0.3043332099914551
1638 print_dice: 0.5027707815170288, print_iou: 0.33580079674720764
1639 Epoch 13/499: 63%|██████| 101/160 [10:35<06:08, 6.24s/it]print_dice: 0.
5464543700218201, print_iou: 0.3759457767009735
1640 [100/160] eta: 0:06:17 time: 6.2589 data: 0.0006
1641 Epoch 13/499: 64%|██████| 102/160 [10:41<06:03, 6.27s/it]print_dice: 0.
5085840821266174, print_iou: 0.3410075306892395
1642 print_dice: 0.4694342017173767, print_iou: 0.3067063093185425
1643 Epoch 13/499: 65%|██████| 104/160 [10:54<05:52, 6.30s/it]print_dice: 0.
4402809143066406, print_iou: 0.2822822034358978
1644 Epoch 13/499: 66%|██████| 105/160 [11:00<05:43, 6.25s/it]print_dice: 0.
5765795111656189, print_iou: 0.40506619215011597
1645 Epoch 13/499: 66%|██████| 106/160 [11:06<05:36, 6.23s/it]print_dice: 0.
5631040334701538, print_iou: 0.39188921451568604
1646 Epoch 13/499: 67%|██████| 107/160 [11:13<05:31, 6.26s/it]print_dice: 0.
5248543620109558, print_iou: 0.3557983636856079
1647 Epoch 13/499: 68%|██████| 108/160 [11:19<05:25, 6.26s/it]print_dice: 0.
5969502925872803, print_iou: 0.4254662096500397
1648 print_dice: 0.5039981007575989, print_iou: 0.3368966579437256
1649 Epoch 13/499: 69%|██████| 110/160 [11:31<05:12, 6.24s/it]print_dice: 0.
5396713018417358, print_iou: 0.36955466866493225
1650 print_dice: 0.5859889388084412, print_iou: 0.41441610455513
1651 Epoch 13/499: 70%|██████| 112/160 [11:44<05:02, 6.31s/it]print_dice: 0.
5299026370048523, print_iou: 0.36045411229133606
1652 print_dice: 0.4774205684661865, print_iou: 0.3135603666305542
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1653 Epoch 13/499: 71%|███████| | 114/160 [11:57<04:48, 6.26s/it]print_dice: 0.
    5648455619812012, print_iou: 0.39357826113700867
1654 Epoch 13/499: 72%|███████| | 115/160 [12:03<04:43, 6.29s/it]print_dice: 0.
    5102961659431458, print_iou: 0.34254875779151917
1655 print_dice: 0.548495352268219, print_iou: 0.3778805434703827
1656 Epoch 13/499: 73%|███████| | 117/160 [12:15<04:28, 6.24s/it]print_dice: 0.
    5040913224220276, print_iou: 0.3369799852371216
1657 Epoch 13/499: 74%|███████| | 118/160 [12:22<04:21, 6.23s/it]print_dice: 0.
    5822737216949463, print_iou: 0.41070958971977234
1658 print_dice: 0.477034330368042, print_iou: 0.31322723627090454
1659 Epoch 13/499: 75%|███████| | 120/160 [12:34<04:09, 6.25s/it]print_dice: 0.
    5665539503097534, print_iou: 0.3952391445636749
1660 Epoch 13/499: 76%|███████| | 121/160 [12:40<04:03, 6.25s/it]print_dice: 0.
    5575339198112488, print_iou: 0.38651442527770996
1661 Epoch 13/499: 76%|███████| | 122/160 [12:47<03:58, 6.27s/it]print_dice: 0.
    5879581570625305, print_iou: 0.4163886308670044
1662 Epoch 13/499: 77%|███████| | 123/160 [12:53<03:49, 6.21s/it]print_dice: 0.
    47618645429611206, print_iou: 0.312496542930603
1663 Epoch 13/499: 78%|███████| | 124/160 [12:59<03:42, 6.18s/it]print_dice: 0.584220290184021
    , print_iou: 0.41264915466308594
1664 Epoch 13/499: 78%|███████| | 125/160 [13:05<03:37, 6.21s/it]print_dice: 0.
    5613129734992981, print_iou: 0.39015641808509827
1665 Epoch 13/499: 79%|███████| | 126/160 [13:11<03:30, 6.19s/it]print_dice: 0.
    5073596835136414, print_iou: 0.33990752696990967
1666 print_dice: 0.5164573788642883, print_iou: 0.3481243848800659
1667 Epoch 13/499: 80%|███████| | 128/160 [13:24<03:17, 6.16s/it]print_dice: 0.
    5295463800430298, print_iou: 0.36012452840805054
1668 Epoch 13/499: 81%|███████| | 129/160 [13:30<03:11, 6.16s/it]print_dice: 0.
    5859374403953552, print_iou: 0.4143645763397217
1669 Epoch 13/499: 81%|███████| | 130/160 [13:36<03:06, 6.20s/it]print_dice: 0.
    5319768786430359, print_iou: 0.36237633228302
1670 Epoch 13/499: 82%|███████| | 131/160 [13:42<03:01, 6.25s/it]print_dice: 0.
    5435253977775574, print_iou: 0.37317875027656555
1671 Epoch 13/499: 82%|███████| | 132/160 [13:49<02:55, 6.26s/it]print_dice: 0.563326358795166
    , print_iou: 0.3921046257019043
1672 print_dice: 0.549820601940155, print_iou: 0.3791396915912628
1673 Epoch 13/499: 84%|███████| | 134/160 [14:01<02:42, 6.26s/it]print_dice: 0.
    5017153024673462, print_iou: 0.33485978841781616
1674 Epoch 13/499: 84%|███████| | 135/160 [14:07<02:36, 6.26s/it]print_dice: 0.
    5252692103385925, print_iou: 0.35617971420288086
1675 Epoch 13/499: 85%|███████| | 136/160 [14:14<02:30, 6.26s/it]print_dice: 0.
    4993962347507477, print_iou: 0.3327968716621399
1676 Epoch 13/499: 86%|███████| | 137/160 [14:20<02:23, 6.25s/it]print_dice: 0.
    4745109975337982, print_iou: 0.3110550045967102
1677 Epoch 13/499: 86%|███████| | 138/160 [14:26<02:16, 6.23s/it]print_dice: 0.
    5586034059524536, print_iou: 0.3875432014465332
1678 Epoch 13/499: 87%|███████| | 139/160 [14:32<02:11, 6.25s/it]print_dice: 0.
    5181966423988342, print_iou: 0.349706768989563
1679 Epoch 13/499: 88%|███████| | 140/160 [14:39<02:05, 6.27s/it]print_dice: 0.435007244348526
    , print_iou: 0.27796119451522827
1680 Epoch 13/499: 88%|███████| | 141/160 [14:45<01:59, 6.28s/it]print_dice: 0.
    5593062043190002, print_iou: 0.38822001218795776
1681 Epoch 13/499: 89%|███████| | 142/160 [14:51<01:52, 6.28s/it]print_dice: 0.
    5300548076629639, print_iou: 0.3605949282646179
1682 print_dice: 0.5677170753479004, print_iou: 0.3963721692562103
1683 Epoch 13/499: 90%|███████| | 144/160 [15:04<01:40, 6.30s/it]print_dice: 0.546622097492218
    , print_iou: 0.37610456347465515
1684 Epoch 13/499: 91%|███████| | 145/160 [15:10<01:34, 6.29s/it]print_dice: 0.
    4641641080379486, print_iou: 0.30222246050834656
1685 Epoch 13/499: 91%|███████| | 146/160 [15:17<01:28, 6.32s/it]print_dice: 0.
    47560450434684753, print_iou: 0.3119954764842987
1686 Epoch 13/499: 92%|███████| | 147/160 [15:23<01:22, 6.32s/it]print_dice: 0.
    5153810977935791, print_iou: 0.3471470773220062
1687 Epoch 13/499: 92%|███████| | 148/160 [15:29<01:15, 6.30s/it]print_dice: 0.
    5484895706176758, print_iou: 0.37787503004074097
1688 Epoch 13/499: 93%|███████| | 149/160 [15:36<01:09, 6.32s/it]print_dice: 0.
    5079933404922485, print_iou: 0.3404766023159027
1689 Epoch 13/499: 94%|███████| | 150/160 [15:42<01:03, 6.34s/it]print_dice: 0.
    5144597887992859, print_iou: 0.3463115692138672

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1690 Epoch 13/499: 94%|██████████| 151/160 [15:48<00:57, 6.36s/it]print_dice: 0.
    5333496928215027, print_iou: 0.3636515438556671
1691 print_dice: 0.4698193073272705, print_iou: 0.3070351779460907
1692 Epoch 13/499: 96%|██████████| 153/160 [16:01<00:44, 6.32s/it]print_dice: 0.51761394739151
    , print_iou: 0.34917622804641724
1693 print_dice: 0.5570082664489746, print_iou: 0.3860093653202057
1694 Epoch 13/499: 97%|██████████| 155/160 [16:14<00:31, 6.34s/it]print_dice: 0.
    5347484946250916, print_iou: 0.3649533987045288
1695 print_dice: 0.5088806748390198, print_iou: 0.3412742614746094
1696 Epoch 13/499: 98%|██████████| 157/160 [16:26<00:18, 6.32s/it]print_dice: 0.
    5421258807182312, print_iou: 0.3718605637550354
1697 print_dice: 0.5823676586151123, print_iou: 0.41080302000045776
1698 Epoch 13/499: 99%|██████████| 159/160 [16:39<00:06, 6.27s/it]print_dice: 0.
    49384599924087524, print_iou: 0.3278854787349701
1699 Epoch 13/499: 100%|██████████| 160/160 [16:45<00:00, 6.23s/it]print_dice: 0.
    5026550889015198, print_iou: 0.33569762110710144
1700 [159/160] eta: 0:00:06 time: 6.2994 data: 0.0027
1701 Epoch 13/499: 100%|██████████| 160/160 [16:46<00:00, 6.29s/it]
1702 Total time: 0:16:46 (6.2899 s / it)
1703 Averaged stats: training_loss: -82.3607 (-82.3607) loss_mask: -82.5210 (-82.5210)
    loss_dice: 0.1603 (0.1603)
1704 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8347574325744
1705 Validating...
1706 Valid_data_loader len: 12
1707 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0012, 0.0012
    , 0.0012, ..., 0.9999, 0.9999, 0.9999],
1708 grad_fn=<Unique2Backward0>)
1709 8%|██████████| 1/12 [00:10<01:52, 10.25s/it]print_dice: 0.5681617259979248, print_iou: 0.
    3968057930469513
1710 [ 0/12] eta: 0:02:03 time: 10.2540 data: 6.0374
1711 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0012, 0.0012
    , 0.0012, ..., 0.9999, 0.9999, 0.9999],
1712 grad_fn=<Unique2Backward0>)
1713 17%|██████████| 2/12 [00:14<01:07, 6.73s/it]print_dice: 0.5954008102416992, print_iou: 0.
    4238937497138977
1714 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0037, 0.0038
    , 0.0039, ..., 0.9992, 0.9992, 0.9993],
1715 grad_fn=<Unique2Backward0>)
1716 25%|██████████| 3/12 [00:18<00:50, 5.58s/it]print_dice: 0.5393832325935364, print_iou: 0.
    36928457021713257
1717 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0021, 0.0022
    , 0.0022, ..., 0.9999, 0.9999, 0.9999],
1718 grad_fn=<Unique2Backward0>)
1719 33%|██████████| 4/12 [00:22<00:39, 5.00s/it]print_dice: 0.5146073698997498, print_iou: 0.
    34644532203674316
1720 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0034, 0.0035
    , 0.0035, ..., 0.9993, 0.9993, 0.9994],
1721 grad_fn=<Unique2Backward0>)
1722 42%|██████████| 5/12 [00:27<00:32, 4.70s/it]print_dice: 0.5837387442588806, print_iou: 0.
    41216883063316345
1723 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.8475e-04, 9.
    0245e-04, 9.0912e-04, ..., 9.9992e-01, 9.9992e-01,
1724 9.9992e-01], grad_fn=<Unique2Backward0>)
1725 50%|██████████| 6/12 [00:31<00:27, 4.51s/it]print_dice: 0.5234163999557495, print_iou: 0.
    35447800159454346
1726 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0031, 0.0031
    , 0.0032, ..., 0.9991, 0.9991, 0.9992],
1727 grad_fn=<Unique2Backward0>)
1728 58%|██████████| 7/12 [00:35<00:22, 4.44s/it]print_dice: 0.4525507688522339, print_iou: 0.
    2924495041370392
1729 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0035, 0.0035
    , 0.0036, ..., 0.9994, 0.9994, 0.9994],
1730 grad_fn=<Unique2Backward0>)
1731 67%|██████████| 8/12 [00:39<00:17, 4.36s/it]print_dice: 0.5541790127754211, print_iou: 0.
    3832971453666687
1732 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0026, 0.0026
    , 0.0027, ..., 0.9991, 0.9991, 0.9992],
1733 grad_fn=<Unique2Backward0>)
1734 print_dice: 0.5680994391441345, print_iou: 0.39674505591392517

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1735 75%|███████| 9/12 [00:44<00:13, 4.38s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([0.0015, 0.0015, 0.0015, ..., 0.9999, 0.9999, 0.9999],
1736      grad_fn=<Unique2Backward0>)
1737 83%|███████| 10/12 [00:48<00:08, 4.31s/it]print_dice: 0.5824288129806519, print_iou: 0
    .4108639061450958
1738 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0044, 0.0045
    , 0.0047, ..., 0.9993, 0.9994, 0.9994],
1739      grad_fn=<Unique2Backward0>)
1740 92%|███████| 11/12 [00:52<00:04, 4.26s/it]print_dice: 0.6195664405822754, print_iou: 0
    .44882020354270935
1741 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0012, 0.0012
    , 0.0012, ..., 0.9999, 0.9999, 0.9999],
1742      grad_fn=<Unique2Backward0>)
1743 100%|███████| 12/12 [00:56<00:00, 4.22s/it]print_dice: 0.5890962481498718, print_iou: 0
    .4175311028957367
1744 [11/12] eta: 0:00:04 time: 4.7090 data: 0.5035
1745 Total time: 0:00:56 (4.7497 s / it)
1746 =====
1747 Averaged stats:
1748 100%|███████| 12/12 [00:56<00:00, 4.75s/it]
1749 Epoch 14/499: 0%| 0/160 [00:00<?, ?it/s]epoch: 14 learning rate: 1e-06
1750 print_dice: 0.48843321204185486, print_iou: 0.32313042879104614
1751 [ 0/160] eta: 0:27:49 time: 10.4362 data: 4.1130
1752 Epoch 14/499: 1%| 2/160 [00:16<20:52, 7.92s/it]print_dice: 0.539360761642456
    , print_iou: 0.36926349997520447
1753 print_dice: 0.5495580434799194, print_iou: 0.3788900673389435
1754 Epoch 14/499: 2%| 4/160 [00:29<17:48, 6.85s/it]print_dice: 0.5151854753494263
    , print_iou: 0.3469696044921875
1755 print_dice: 0.5660532116889954, print_iou: 0.3947518765926361
1756 Epoch 14/499: 4%| 6/160 [00:41<16:45, 6.53s/it]print_dice: 0.4993200898170471
    , print_iou: 0.3327292203903198
1757 Epoch 14/499: 4%| 7/160 [00:48<16:26, 6.45s/it]print_dice: 0.5610116124153137
    , print_iou: 0.38986527919769287
1758 Epoch 14/499: 5%| 8/160 [00:54<16:12, 6.40s/it]print_dice: 0.5102272033691406
    , print_iou: 0.34248659014701843
1759 print_dice: 0.4985353350639343, print_iou: 0.3320326805114746
1760 Epoch 14/499: 6%| 10/160 [01:07<15:54, 6.36s/it]print_dice: 0.4292401969432831
    , print_iou: 0.2732691466808319
1761 Epoch 14/499: 7%| 11/160 [01:13<15:47, 6.36s/it]print_dice: 0.4458577334880829
    , print_iou: 0.28688347339630127
1762 print_dice: 0.5019823312759399, print_iou: 0.33509770035743713
1763 Epoch 14/499: 8%| 13/160 [01:26<15:33, 6.35s/it]print_dice: 0.479478657245636
    , print_iou: 0.3153383135795593
1764 Epoch 14/499: 9%| 14/160 [01:32<15:24, 6.33s/it]print_dice: 0.4952382445335388
    , print_iou: 0.32911404967308044
1765 print_dice: 0.5471631288528442, print_iou: 0.37661704421043396
1766 Epoch 14/499: 10%| 16/160 [01:44<15:09, 6.32s/it]print_dice: 0.523914635181427
    , print_iou: 0.3549351990222931
1767 Epoch 14/499: 11%| 17/160 [01:51<15:05, 6.33s/it]print_dice: 0.5304426550865173
    , print_iou: 0.36095401644706726
1768 Epoch 14/499: 11%| 18/160 [01:57<15:00, 6.34s/it]print_dice: 0.5003723502159119
    , print_iou: 0.3336644172668457
1769 print_dice: 0.5591422915458679, print_iou: 0.38806208968162537
1770 Epoch 14/499: 12%| 20/160 [02:10<14:42, 6.31s/it]print_dice: 0.4134863018989563
    , print_iou: 0.2606257498264313
1771 Epoch 14/499: 13%| 21/160 [02:16<14:38, 6.32s/it]print_dice: 0.5372085571289062
    , print_iou: 0.36724892258644104
1772 Epoch 14/499: 14%| 22/160 [02:22<14:29, 6.30s/it]print_dice: 0.5235021114349365
    , print_iou: 0.3545566201210022
1773 Epoch 14/499: 14%| 23/160 [02:29<14:23, 6.31s/it]print_dice: 0.
    47887110710144043, print_iou: 0.31481295824050903
1774 Epoch 14/499: 15%| 24/160 [02:35<14:14, 6.28s/it]print_dice: 0.5118733048439026
    , print_iou: 0.3439716100692749
1775 print_dice: 0.5939915180206299, print_iou: 0.42246654629707336
1776 Epoch 14/499: 16%| 26/160 [02:47<13:56, 6.25s/it]print_dice: 0.5007794499397278
    , print_iou: 0.3340265452861786
1777 print_dice: 0.5531668066978455, print_iou: 0.38232937455177307
1778 Epoch 14/499: 18%| 28/160 [03:00<13:47, 6.27s/it]print_dice: 0.5380341410636902
    , print_iou: 0.3680209815502167

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1779 Epoch 14/499: 18%|██████| 29/160 [03:06<13:40, 6.26s/it]print_dice: 0.45869168639183044, print_iou: 0.2975988984107971
1780 print_dice: 0.5364786982536316, print_iou: 0.36656707525253296
1781 Epoch 14/499: 19%|██████| 31/160 [03:19<13:31, 6.29s/it]print_dice: 0.5151733160018921, print_iou: 0.34695857763290405
1782 print_dice: 0.539752185344696, print_iou: 0.3696305453777313
1783 Epoch 14/499: 21%|██████| 33/160 [03:31<13:24, 6.33s/it]print_dice: 0.6167044043540955, print_iou: 0.4458225667476654
1784 Epoch 14/499: 21%|██████| 34/160 [03:38<13:17, 6.33s/it]print_dice: 0.5136318802833557, print_iou: 0.345561683177948
1785 print_dice: 0.6126325130462646, print_iou: 0.441579133272171
1786 Epoch 14/499: 22%|██████| 36/160 [03:50<13:05, 6.34s/it]print_dice: 0.5347667932510376, print_iou: 0.36497044563293457
1787 print_dice: 0.5330587029457092, print_iou: 0.3633810877799988
1788 Epoch 14/499: 24%|██████| 38/160 [04:03<12:48, 6.30s/it]print_dice: 0.5488086938858032, print_iou: 0.37817806005477905
1789 Epoch 14/499: 24%|██████| 39/160 [04:09<12:42, 6.30s/it]print_dice: 0.5202361345291138, print_iou: 0.35156697034835815
1790 Epoch 14/499: 25%|██████| 40/160 [04:16<12:34, 6.29s/it]print_dice: 0.4621850848197937, print_iou: 0.30054664611816406
1791 print_dice: 0.49846380949020386, print_iou: 0.3319692313671112
1792 Epoch 14/499: 26%|██████| 42/160 [04:28<12:22, 6.29s/it]print_dice: 0.5088247060775757, print_iou: 0.34122395515441895
1793 Epoch 14/499: 27%|██████| 43/160 [04:35<12:17, 6.30s/it]print_dice: 0.5221896171569824, print_iou: 0.3533535897731781
1794 Epoch 14/499: 28%|██████| 44/160 [04:41<12:07, 6.27s/it]print_dice: 0.43325740098953247, print_iou: 0.2765338718891144
1795 Epoch 14/499: 28%|██████| 45/160 [04:47<12:04, 6.30s/it]print_dice: 0.4904238283634186, print_iou: 0.3248751759529114
1796 Epoch 14/499: 29%|██████| 46/160 [04:53<12:00, 6.32s/it]print_dice: 0.550682783126831, print_iou: 0.3799601197242737
1797 Epoch 14/499: 29%|██████| 47/160 [05:00<11:55, 6.33s/it]print_dice: 0.5233098864555359, print_iou: 0.3543802797794342
1798 Epoch 14/499: 30%|██████| 48/160 [05:06<11:45, 6.30s/it]print_dice: 0.5876865386962891, print_iou: 0.41611623764038086
1799 print_dice: 0.4877150058746338, print_iou: 0.3225020468235016
1800 Epoch 14/499: 31%|██████| 50/160 [05:19<11:30, 6.28s/it]print_dice: 0.5565130114555359, print_iou: 0.38553377985954285
1801 print_dice: 0.5726907849311829, print_iou: 0.4012380540370941
1802 Epoch 14/499: 32%|██████| 52/160 [05:31<11:08, 6.19s/it]print_dice: 0.5199233889579773, print_iou: 0.35128140449523926
1803 Epoch 14/499: 33%|██████| 53/160 [05:37<11:06, 6.23s/it]print_dice: 0.5168652534484863, print_iou: 0.34849512577056885
1804 Epoch 14/499: 34%|██████| 54/160 [05:43<11:04, 6.27s/it]print_dice: 0.6072973608970642, print_iou: 0.4360567629337311
1805 print_dice: 0.5320205688476562, print_iou: 0.36241692304611206
1806 Epoch 14/499: 35%|██████| 56/160 [05:56<10:49, 6.25s/it]print_dice: 0.5016471743583679, print_iou: 0.3347990810871124
1807 Epoch 14/499: 36%|██████| 57/160 [06:02<10:43, 6.25s/it]print_dice: 0.5658583641052246, print_iou: 0.39456239342689514
1808 Epoch 14/499: 36%|██████| 58/160 [06:09<10:38, 6.26s/it]print_dice: 0.5631586909294128, print_iou: 0.3919421434402466
1809 print_dice: 0.5744730830192566, print_iou: 0.4029900133609772
1810 Epoch 14/499: 38%|██████| 60/160 [06:21<10:26, 6.26s/it]print_dice: 0.464600533246994, print_iou: 0.3025926351547241
1811 print_dice: 0.5119085311889648, print_iou: 0.3440034091472626
1812 Epoch 14/499: 39%|██████| 62/160 [06:34<10:14, 6.27s/it]print_dice: 0.5084453821182251, print_iou: 0.3408828377723694
1813 print_dice: 0.511673629283905, print_iou: 0.34379130601882935
1814 Epoch 14/499: 40%|██████| 64/160 [06:46<10:05, 6.31s/it]print_dice: 0.5618566870689392, print_iou: 0.3906819820404053
1815 Epoch 14/499: 41%|██████| 65/160 [06:53<09:58, 6.30s/it]print_dice: 0.5242825746536255, print_iou: 0.3552730083465576
1816 Epoch 14/499: 41%|██████| 66/160 [06:59<09:46, 6.24s/it]print_dice: 0.41260141134262085, print_iou: 0.2599230110645294
1817 Epoch 14/499: 42%|██████| 67/160 [07:05<09:38, 6.22s/it]print_dice: 0.5517862439155579, print_iou: 0.38101157546043396
1818 Epoch 14/499: 42%|██████| 68/160 [07:11<09:32, 6.23s/it]print_dice: 0.4941183924674988, print_iou: 0.32812565565109253
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1819 Epoch 14/499: 43%|██████| 69/160 [07:17<09:28, 6.25s/it]print_dice: 0.571689784526825
, print_iou: 0.40025603771209717
1820 Epoch 14/499: 44%|██████| 70/160 [07:24<09:22, 6.25s/it]print_dice: 0.
47487959265708923, print_iou: 0.3113718628883362
1821 print_dice: 0.5285381078720093, print_iou: 0.35919249057769775
1822 Epoch 14/499: 45%|██████| 72/160 [07:36<09:14, 6.30s/it]print_dice: 0.4823817312717438
, print_iou: 0.31785446405410767
1823 Epoch 14/499: 46%|██████| 73/160 [07:43<09:09, 6.31s/it]print_dice: 0.4943581819534302
, print_iou: 0.3283371925354004
1824 Epoch 14/499: 46%|██████| 74/160 [07:49<09:02, 6.31s/it]print_dice: 0.
47860434651374817, print_iou: 0.3145824372768402
1825 Epoch 14/499: 47%|██████| 75/160 [07:55<08:56, 6.31s/it]print_dice: 0.
45252808928489685, print_iou: 0.2924305498600006
1826 Epoch 14/499: 48%|██████| 76/160 [08:02<08:47, 6.27s/it]print_dice: 0.5004120469093323
, print_iou: 0.3336997330188751
1827 Epoch 14/499: 48%|██████| 77/160 [08:08<08:42, 6.30s/it]print_dice: 0.5368229150772095
, print_iou: 0.36688855290412903
1828 print_dice: 0.5403587222099304, print_iou: 0.37019968032836914
1829 Epoch 14/499: 49%|██████| 79/160 [08:20<08:27, 6.27s/it]print_dice: 0.536948561668396
, print_iou: 0.36700597405433655
1830 Epoch 14/499: 50%|██████| 80/160 [08:27<08:20, 6.26s/it]print_dice: 0.5426227450370789
, print_iou: 0.3723282516002655
1831 Epoch 14/499: 51%|██████| 81/160 [08:33<08:14, 6.26s/it]print_dice: 0.4887579083442688
, print_iou: 0.32341471314430237
1832 Epoch 14/499: 51%|██████| 82/160 [08:39<08:07, 6.25s/it]print_dice: 0.4440614879131317
, print_iou: 0.28539782762527466
1833 Epoch 14/499: 52%|██████| 83/160 [08:45<07:58, 6.21s/it]print_dice: 0.5123467445373535
, print_iou: 0.3443993031978607
1834 Epoch 14/499: 52%|██████| 84/160 [08:52<07:56, 6.26s/it]print_dice: 0.5846840143203735
, print_iou: 0.41311198472976685
1835 Epoch 14/499: 53%|██████| 85/160 [08:58<07:53, 6.31s/it]print_dice: 0.5424378514289856
, print_iou: 0.372154176235199
1836 print_dice: 0.5818030834197998, print_iou: 0.41024139523506165
1837 Epoch 14/499: 54%|██████| 87/160 [09:11<07:42, 6.33s/it]print_dice: 0.5534486174583435
, print_iou: 0.3825986981391907
1838 print_dice: 0.4530334174633026, print_iou: 0.2928527593612671
1839 Epoch 14/499: 56%|██████| 89/160 [09:23<07:23, 6.24s/it]print_dice: 0.5548292398452759
, print_iou: 0.38391950726509094
1840 Epoch 14/499: 56%|██████| 90/160 [09:29<07:17, 6.24s/it]print_dice: 0.5263660550117493
, print_iou: 0.3571891486644745
1841 Epoch 14/499: 57%|██████| 91/160 [09:36<07:11, 6.25s/it]print_dice: 0.4843580722808838
, print_iou: 0.31957289576530457
1842 Epoch 14/499: 57%|██████| 92/160 [09:42<07:06, 6.27s/it]print_dice: 0.4222525656223297
, print_iou: 0.267630010843277
1843 Epoch 14/499: 58%|██████| 93/160 [09:48<07:06, 6.36s/it]print_dice: 0.4661080837249756
, print_iou: 0.30387282371520996
1844 Epoch 14/499: 59%|██████| 94/160 [09:55<07:02, 6.41s/it]print_dice: 0.4272029399871826
, print_iou: 0.27161988615989685
1845 Epoch 14/499: 59%|██████| 95/160 [10:01<06:56, 6.41s/it]print_dice: 0.3934941291809082
, print_iou: 0.24493788182735443
1846 Epoch 14/499: 60%|██████| 96/160 [10:08<06:47, 6.36s/it]print_dice: 0.4261750876903534
, print_iou: 0.27078938484191895
1847 print_dice: 0.48758700489997864, print_iou: 0.3223901093006134
1848 Epoch 14/499: 61%|██████| 98/160 [10:20<06:33, 6.35s/it]print_dice: 0.5595605373382568
, print_iou: 0.38846513628959656
1849 print_dice: 0.47097668051719666, print_iou: 0.308024525642395
1850 Epoch 14/499: 62%|██████| 100/160 [10:33<06:20, 6.35s/it]print_dice: 0.
42318296432495117, print_iou: 0.26837798953056335
1851 Epoch 14/499: 63%|██████| 101/160 [10:39<06:14, 6.35s/it]print_dice: 0.457042396068573
, print_iou: 0.2962118983268738
1852 [100/160] eta: 0:06:20 time: 6.3219 data: 0.0005
1853 Epoch 14/499: 64%|██████| 102/160 [10:45<06:04, 6.28s/it]print_dice: 0.544247567653656
, print_iou: 0.3738599717617035
1854 Epoch 14/499: 64%|██████| 103/160 [10:52<05:56, 6.26s/it]print_dice: 0.
5157343745231628, print_iou: 0.34746769070625305
1855 Epoch 14/499: 65%|██████| 104/160 [10:58<05:49, 6.25s/it]print_dice: 0.
4907802641391754, print_iou: 0.3251880705356598
1856 Epoch 14/499: 66%|██████| 105/160 [11:04<05:42, 6.23s/it]print_dice: 0.
46303388476371765, print_iou: 0.30126485228538513

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1857 Epoch 14/499: 66%|███████| 106/160 [11:10<05:35, 6.21s/it]print_dice: 0.
    6251693964004517, print_iou: 0.45472463965415955
1858 Epoch 14/499: 67%|███████| 107/160 [11:16<05:29, 6.23s/it]print_dice: 0.
    4721253514289856, print_iou: 0.3090079128742218
1859 Epoch 14/499: 68%|███████| 108/160 [11:23<05:25, 6.26s/it]print_dice: 0.
    5999360084533691, print_iou: 0.42850610613822937
1860 Epoch 14/499: 68%|███████| 109/160 [11:29<05:19, 6.27s/it]print_dice: 0.
    5342894196510315, print_iou: 0.3645258843898773
1861 Epoch 14/499: 69%|███████| 110/160 [11:35<05:11, 6.24s/it]print_dice: 0.
    5729958415031433, print_iou: 0.40153759717941284
1862 Epoch 14/499: 69%|███████| 111/160 [11:41<05:04, 6.21s/it]print_dice: 0.
    5490037798881531, print_iou: 0.37836334109306335
1863 Epoch 14/499: 70%|███████| 112/160 [11:48<04:58, 6.21s/it]print_dice: 0.
    4912430942058563, print_iou: 0.32559457421302795
1864 print_dice: 0.5624680519104004, print_iou: 0.3912734389305115
1865 Epoch 14/499: 71%|███████| 114/160 [12:00<04:47, 6.25s/it]print_dice: 0.
    49871546030044556, print_iou: 0.3321925103664398
1866 print_dice: 0.4818733334541321, print_iou: 0.3174131214618683
1867 Epoch 14/499: 72%|███████| 116/160 [12:13<04:33, 6.22s/it]print_dice: 0.
    4640459418296814, print_iou: 0.3021222949028015
1868 print_dice: 0.46923646330833435, print_iou: 0.3065375089645386
1869 Epoch 14/499: 74%|███████| 118/160 [12:25<04:23, 6.28s/it]print_dice: 0.
    5194847583770752, print_iou: 0.35088104009628296
1870 Epoch 14/499: 74%|███████| 119/160 [12:32<04:18, 6.32s/it]print_dice: 0.
    4793030321598053, print_iou: 0.31518641114234924
1871 Epoch 14/499: 75%|███████| 120/160 [12:38<04:12, 6.31s/it]print_dice: 0.
    4788026809692383, print_iou: 0.31475383043289185
1872 Epoch 14/499: 76%|███████| 121/160 [12:44<04:07, 6.35s/it]print_dice: 0.
    5489310622215271, print_iou: 0.3782942593097687
1873 Epoch 14/499: 76%|███████| 122/160 [12:51<04:00, 6.33s/it]print_dice: 0.
    5076289772987366, print_iou: 0.34014931321144104
1874 print_dice: 0.5178065299987793, print_iou: 0.3493514955043793
1875 Epoch 14/499: 78%|███████| 124/160 [13:03<03:47, 6.32s/it]print_dice: 0.525044322013855
    , print_iou: 0.35597294569015503
1876 Epoch 14/499: 78%|███████| 125/160 [13:10<03:41, 6.32s/it]print_dice: 0.
    5422811508178711, print_iou: 0.37200668454170227
1877 Epoch 14/499: 79%|███████| 126/160 [13:16<03:35, 6.35s/it]print_dice: 0.
    5573005676269531, print_iou: 0.38629016280174255
1878 print_dice: 0.5403004288673401, print_iou: 0.37014496326446533
1879 Epoch 14/499: 80%|███████| 128/160 [13:29<03:22, 6.33s/it]print_dice: 0.
    5499598383903503, print_iou: 0.37927213311195374
1880 print_dice: 0.502361536026001, print_iou: 0.33543577790260315
1881 Epoch 14/499: 81%|███████| 130/160 [13:41<03:09, 6.32s/it]print_dice: 0.
    5805702209472656, print_iou: 0.40901651978492737
1882 Epoch 14/499: 82%|███████| 131/160 [13:48<03:03, 6.32s/it]print_dice: 0.
    5009676218032837, print_iou: 0.33419397473335266
1883 Epoch 14/499: 82%|███████| 132/160 [13:54<02:56, 6.30s/it]print_dice: 0.
    4933013617992401, print_iou: 0.3274054527282715
1884 print_dice: 0.5300812721252441, print_iou: 0.360619455575943
1885 Epoch 14/499: 84%|███████| 134/160 [14:07<02:43, 6.29s/it]print_dice: 0.
    5749251842498779, print_iou: 0.403435081243515
1886 Epoch 14/499: 84%|███████| 135/160 [14:13<02:37, 6.29s/it]print_dice: 0.
    4723679721355438, print_iou: 0.30921581387519836
1887 Epoch 14/499: 85%|███████| 136/160 [14:19<02:30, 6.29s/it]print_dice: 0.
    5259875655174255, print_iou: 0.35684067010879517
1888 Epoch 14/499: 86%|███████| 137/160 [14:25<02:24, 6.30s/it]print_dice: 0.
    5189332365989685, print_iou: 0.35037803649902344
1889 Epoch 14/499: 86%|███████| 138/160 [14:32<02:19, 6.32s/it]print_dice: 0.
    5450862050056458, print_iou: 0.37465187907218933
1890 print_dice: 0.6061415672302246, print_iou: 0.43486595153808594
1891 Epoch 14/499: 88%|███████| 140/160 [14:44<02:05, 6.25s/it]print_dice: 0.
    5372738838195801, print_iou: 0.3673099875450134
1892 print_dice: 0.5055682063102722, print_iou: 0.33830133080482483
1893 Epoch 14/499: 89%|███████| 142/160 [14:56<01:51, 6.20s/it]print_dice: 0.
    5136148929595947, print_iou: 0.34554633498191833
1894 Epoch 14/499: 89%|███████| 143/160 [15:03<01:46, 6.24s/it]print_dice: 0.
    4812445342540741, print_iou: 0.3168676793575287
1895 Epoch 14/499: 90%|███████| 144/160 [15:09<01:39, 6.24s/it]print_dice: 0.
    4728667140007019, print_iou: 0.30964335799217224

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1896 Epoch 14/499: 91%|██████████| 145/160 [15:15<01:33, 6.24s/it]print_dice: 0.
    48654311895370483, print_iou: 0.3214780390262604
1897 Epoch 14/499: 91%|██████████| 146/160 [15:22<01:27, 6.28s/it]print_dice: 0.
    5567026734352112, print_iou: 0.38571590185165405
1898 Epoch 14/499: 92%|██████████| 147/160 [15:28<01:21, 6.27s/it]print_dice: 0.
    5880531072616577, print_iou: 0.4164838492870331
1899 print_dice: 0.5632951855659485, print_iou: 0.39207443594932556
1900 Epoch 14/499: 93%|██████████| 149/160 [15:40<01:09, 6.28s/it]print_dice: 0.
    5858979225158691, print_iou: 0.4143250584602356
1901 Epoch 14/499: 94%|██████████| 150/160 [15:47<01:03, 6.37s/it]print_dice: 0.
    5289619565010071, print_iou: 0.35958415269851685
1902 Epoch 14/499: 94%|██████████| 151/160 [15:54<00:58, 6.45s/it]print_dice: 0.588407576084137
    , print_iou: 0.4168395400047302
1903 Epoch 14/499: 95%|██████████| 152/160 [16:00<00:51, 6.47s/it]print_dice: 0.
    5351117849349976, print_iou: 0.36529186367988586
1904 Epoch 14/499: 96%|██████████| 153/160 [16:06<00:44, 6.41s/it]print_dice: 0.
    5586672425270081, print_iou: 0.38760459423065186
1905 Epoch 14/499: 96%|██████████| 154/160 [16:13<00:38, 6.34s/it]print_dice: 0.
    5295421481132507, print_iou: 0.36012059450149536
1906 Epoch 14/499: 97%|██████████| 155/160 [16:19<00:31, 6.34s/it]print_dice: 0.
    5429480075836182, print_iou: 0.372634619474411
1907 Epoch 14/499: 98%|██████████| 156/160 [16:25<00:25, 6.35s/it]print_dice: 0.
    5038407444953918, print_iou: 0.3367560803890228
1908 Epoch 14/499: 98%|██████████| 157/160 [16:32<00:19, 6.37s/it]print_dice: 0.
    4673801362514496, print_iou: 0.30495503544807434
1909 print_dice: 0.512864887714386, print_iou: 0.3448677062988281
1910 Epoch 14/499: 99%|██████████| 159/160 [16:44<00:06, 6.30s/it]print_dice: 0.
    48268282413482666, print_iou: 0.3181159794330597
1911 Epoch 14/499: 100%|██████████| 160/160 [16:50<00:00, 6.26s/it]print_dice: 0.
    5872076153755188, print_iou: 0.4156361520290375
1912 [159/160] eta: 0:00:06 time: 6.3155 data: 0.0005
1913 Total time: 0:16:52 (6.3256 s / it)
1914 Averaged stats: training_loss: -668.4443 (-668.4443) loss_mask: -668.2452 (-668.2452)
    loss_dice: -0.1991 (-0.1991)
1915 Epoch 14/499: 100%|██████████| 160/160 [16:52<00:00, 6.33s/it]
1916 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8342125806957
1917 Validating...
1918 Valid_dataloader len: 12
1919 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0010, 0.0010
    , 0.0011, ..., 0.9999, 0.9999, 0.9999],
1920 grad_fn=<Unique2Backward0>)
1921 8%|██████████| 1/12 [00:10<01:50, 10.07s/it]print_dice: 0.5380548238754272, print_iou: 0.
    3680403530597687
1922 [ 0/12] eta: 0:02:00 time: 10.0685 data: 5.7695
1923 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0010, 0.0010
    , 0.0011, ..., 0.9999, 0.9999, 0.9999],
1924 grad_fn=<Unique2Backward0>)
1925 17%|██████████| 2/12 [00:14<01:06, 6.68s/it]print_dice: 0.5946051478385925, print_iou: 0.
    42308762669563293
1926 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0020, 0.0021
    , 0.0021, ..., 0.9996, 0.9996, 0.9996],
1927 grad_fn=<Unique2Backward0>)
1928 25%|██████████| 3/12 [00:18<00:49, 5.54s/it]print_dice: 0.5160437226295471, print_iou: 0.
    3477485775947571
1929 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0016, 0.0017
    , 0.0017, ..., 0.9999, 0.9999, 0.9999],
1930 grad_fn=<Unique2Backward0>)
1931 33%|██████████| 4/12 [00:22<00:39, 4.99s/it]print_dice: 0.5111343264579773, print_iou: 0.
    34330451488494873
1932 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0027, 0.0030
    , 0.0030, ..., 0.9996, 0.9996, 0.9996],
1933 grad_fn=<Unique2Backward0>)
1934 42%|██████████| 5/12 [00:26<00:32, 4.69s/it]print_dice: 0.5572468042373657, print_iou: 0.
    3862384855747223
1935 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0029, 0.0030
    , 0.0031, ..., 0.9997, 0.9997, 0.9997],
1936 grad_fn=<Unique2Backward0>)
1937 50%|██████████| 6/12 [00:31<00:27, 4.52s/it]print_dice: 0.4851076006889343, print_iou: 0.
    3202257752418518

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1938 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0011, 0.0011
, 0.0011, ..., 1.0000, 1.0000, 1.0000],
1939     grad_fn=<Unique2Backward0>)
1940 58%|███████| 7/12 [00:35<00:22, 4.44s/it]print_dice: 0.4380185604095459, print_iou: 0.
28042492270469666
1941 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0010, 0.0010
, 0.0011, ..., 0.9999, 0.9999, 0.9999],
1942     grad_fn=<Unique2Backward0>)
1943 67%|███████| 8/12 [00:39<00:17, 4.33s/it]print_dice: 0.5269687175750732, print_iou: 0.
357744425535202
1944 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0029, 0.0031
, 0.0032, ..., 0.9995, 0.9995, 0.9995],
1945     grad_fn=<Unique2Backward0>)
1946 75%|███████| 9/12 [00:43<00:12, 4.27s/it]print_dice: 0.5488308072090149, print_iou: 0.
37819904088974
1947 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0029, 0.0029
, 0.0030, ..., 0.9993, 0.9993, 0.9993],
1948     grad_fn=<Unique2Backward0>)
1949 print_dice: 0.5580914616584778, print_iou: 0.3870505094528198
1950 83%|███████| 10/12 [00:47<00:08, 4.21s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([7.2700e-04, 7.2953e-04, 7.6422e-04, ..., 9.9996e-01, 9.
9996e-01,
1951     9.9996e-01], grad_fn=<Unique2Backward0>)
1952 92%|███████| 11/12 [00:51<00:04, 4.15s/it]print_dice: 0.5984418988227844, print_iou: 0
.4269833266735077
1953 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0028, 0.0029
, 0.0029, ..., 0.9996, 0.9996, 0.9996],
1954     grad_fn=<Unique2Backward0>)
1955 print_dice: 0.5658356547355652, print_iou: 0.39454030990600586
1956 [11/12] eta: 0:00:04 time: 4.6511 data: 0.4812
1957 100%|███████| 12/12 [00:56<00:00, 4.69s/it]
1958 Total time: 0:00:56 (4.6891 s / it)
1959 =====
1960 Averaged stats:
1961 Epoch 15/499: 0%| | 0/160 [00:00<?, ?it/s]epoch: 15 learning rate: 1e-06
1962 Epoch 15/499: 1%| | 1/160 [00:10<28:35, 10.79s/it]print_dice: 0.45394429564476013
, print_iou: 0.2936144471168518
1963 [ 0/160] eta: 0:28:46 time: 10.7882 data: 4.4180
1964 print_dice: 0.5420621037483215, print_iou: 0.3718005418777466
1965 Epoch 15/499: 2%|| | 3/160 [00:23<19:13, 7.35s/it]print_dice: 0.47260552644729614
, print_iou: 0.3094194233417511
1966 Epoch 15/499: 2%|| | 4/160 [00:29<18:05, 6.96s/it]print_dice: 0.452726274728775
, print_iou: 0.29259610176086426
1967 Epoch 15/499: 3%|| | 5/160 [00:36<17:21, 6.72s/it]print_dice: 0.5114068984985352
, print_iou: 0.3435504734516144
1968 Epoch 15/499: 4%|| | 6/160 [00:42<16:53, 6.58s/it]print_dice: 0.4571591019630432
, print_iou: 0.2963099479675293
1969 print_dice: 0.548272967338562, print_iou: 0.37766945362091064
1970 Epoch 15/499: 5%|| | 8/160 [00:55<16:27, 6.49s/it]print_dice: 0.4259030222892761
, print_iou: 0.27056974172592163
1971 print_dice: 0.5264405012130737, print_iou: 0.3572576940059662
1972 Epoch 15/499: 6%|| | 10/160 [01:07<16:00, 6.40s/it]print_dice: 0.5092626214027405
, print_iou: 0.3416179418563843
1973 print_dice: 0.5624067187309265, print_iou: 0.3912140727043152
1974 Epoch 15/499: 8%|| | 12/160 [01:20<15:42, 6.37s/it]print_dice: 0.
48595622181892395, print_iou: 0.3209657669067383
1975 Epoch 15/499: 8%|| | 13/160 [01:26<15:35, 6.37s/it]print_dice: 0.5466110706329346
, print_iou: 0.37609413266181946
1976 Epoch 15/499: 9%|| | 14/160 [01:33<15:30, 6.37s/it]print_dice: 0.
48333925008773804, print_iou: 0.31868648529052734
1977 Epoch 15/499: 9%|| | 15/160 [01:39<15:15, 6.32s/it]print_dice: 0.5246816873550415
, print_iou: 0.35563963651657104
1978 Epoch 15/499: 10%|| | 16/160 [01:45<15:11, 6.33s/it]print_dice: 0.5395116806030273
, print_iou: 0.36940500140190125
1979 Epoch 15/499: 11%|| | 17/160 [01:52<15:03, 6.32s/it]print_dice: 0.
49808913469314575, print_iou: 0.3316369354724884
1980 Epoch 15/499: 11%|| | 18/160 [01:58<14:58, 6.33s/it]print_dice: 0.5147824287414551
, print_iou: 0.34660404920578003
1981 Epoch 15/499: 12%|| | 19/160 [02:05<15:00, 6.39s/it]print_dice: 0.4864899218082428

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1981 , print_iou: 0.32143157720565796
1982 Epoch 15/499: 12%|██████| 20/160 [02:11<14:54, 6.39s/it]print_dice: 0.5460526943206787
, print_iou: 0.37556564807891846
1983 Epoch 15/499: 13%|██████| 21/160 [02:17<14:41, 6.34s/it]print_dice: 0.5253438353538513
, print_iou: 0.3562483489513397
1984 Epoch 15/499: 14%|██████| 22/160 [02:23<14:30, 6.31s/it]print_dice: 0.61985844373703
, print_iou: 0.4491266906261444
1985 Epoch 15/499: 14%|██████| 23/160 [02:30<14:18, 6.27s/it]print_dice: 0.5450259447097778
, print_iou: 0.3745949864387512
1986 print_dice: 0.5160940885543823, print_iou: 0.3477943539619446
1987 Epoch 15/499: 16%|██████| 25/160 [02:42<14:03, 6.25s/it]print_dice: 0.6135376691818237
, print_iou: 0.44252023100852966
1988 Epoch 15/499: 16%|██████| 26/160 [02:48<13:59, 6.26s/it]print_dice: 0.543079674243927
, print_iou: 0.372758686542511
1989 print_dice: 0.5791869163513184, print_iou: 0.40764471888542175
1990 Epoch 15/499: 18%|██████| 28/160 [03:01<13:48, 6.28s/it]print_dice: 0.
46544891595840454, print_iou: 0.303312748670578
1991 Epoch 15/499: 18%|██████| 29/160 [03:07<13:36, 6.23s/it]print_dice: 0.5052606463432312
, print_iou: 0.33802592754364014
1992 Epoch 15/499: 19%|██████| 30/160 [03:13<13:29, 6.23s/it]print_dice: 0.
47146961092948914, print_iou: 0.30844634771347046
1993 Epoch 15/499: 19%|██████| 31/160 [03:20<13:30, 6.28s/it]print_dice: 0.529843807220459
, print_iou: 0.36039966344833374
1994 print_dice: 0.5394594073295593, print_iou: 0.3693560063838959
1995 Epoch 15/499: 21%|██████| 33/160 [03:32<13:15, 6.27s/it]print_dice: 0.4885779321193695
, print_iou: 0.32325711846351624
1996 Epoch 15/499: 21%|██████| 34/160 [03:38<13:06, 6.24s/it]print_dice: 0.509969174861908
, print_iou: 0.3422541320323944
1997 print_dice: 0.488571435213089, print_iou: 0.3232514262199402
1998 Epoch 15/499: 22%|██████| 36/160 [03:51<12:52, 6.23s/it]print_dice: 0.
45552143454551697, print_iou: 0.2949354350566864
1999 print_dice: 0.5093419551849365, print_iou: 0.3416893482208252
2000 Epoch 15/499: 24%|██████| 38/160 [04:03<12:44, 6.26s/it]print_dice: 0.4763016104698181
, print_iou: 0.3125957250595093
2001 Epoch 15/499: 24%|██████| 39/160 [04:10<12:40, 6.28s/it]print_dice: 0.573533296585083
, print_iou: 0.4020656645298004
2002 print_dice: 0.5366523861885071, print_iou: 0.3667292594909668
2003 Epoch 15/499: 26%|██████| 41/160 [04:22<12:19, 6.22s/it]print_dice: 0.
48889443278312683, print_iou: 0.3235342800617218
2004 Epoch 15/499: 26%|██████| 42/160 [04:28<12:14, 6.22s/it]print_dice: 0.605732798576355
, print_iou: 0.43444526195526123
2005 Epoch 15/499: 27%|██████| 43/160 [04:35<12:10, 6.24s/it]print_dice: 0.5196748375892639
, print_iou: 0.35105448961257935
2006 Epoch 15/499: 28%|██████| 44/160 [04:41<12:02, 6.23s/it]print_dice: 0.5593177676200867
, print_iou: 0.38823115825653076
2007 Epoch 15/499: 28%|██████| 45/160 [04:47<11:57, 6.24s/it]print_dice: 0.5551193356513977
, print_iou: 0.3841973841190338
2008 Epoch 15/499: 29%|██████| 46/160 [04:53<11:50, 6.23s/it]print_dice: 0.
49926477670669556, print_iou: 0.3326801061630249
2009 Epoch 15/499: 29%|██████| 47/160 [05:00<11:48, 6.27s/it]print_dice: 0.5120494365692139
, print_iou: 0.34413066506385803
2010 Epoch 15/499: 30%|██████| 48/160 [05:06<11:39, 6.25s/it]print_dice: 0.5436978936195374
, print_iou: 0.3733414113521576
2011 Epoch 15/499: 31%|██████| 49/160 [05:12<11:41, 6.32s/it]print_dice: 0.5214347839355469
, print_iou: 0.35266268253326416
2012 print_dice: 0.5212807655334473, print_iou: 0.3525218069553375
2013 Epoch 15/499: 32%|██████| 51/160 [05:25<11:29, 6.33s/it]print_dice: 0.5997329950332642
, print_iou: 0.42829903960227966
2014 Epoch 15/499: 32%|██████| 52/160 [05:31<11:19, 6.29s/it]print_dice: 0.5960404872894287
, print_iou: 0.42454251646995544
2015 print_dice: 0.5124759078025818, print_iou: 0.3445160388946533
2016 Epoch 15/499: 34%|██████| 54/160 [05:44<11:07, 6.29s/it]print_dice: 0.546958327293396
, print_iou: 0.3764230012893677
2017 Epoch 15/499: 34%|██████| 55/160 [05:50<10:59, 6.28s/it]print_dice: 0.512027382850647
, print_iou: 0.34411075711250305
2018 Epoch 15/499: 35%|██████| 56/160 [05:56<10:52, 6.28s/it]print_dice: 0.5288481712341309
, print_iou: 0.35947898030281067
2019 Epoch 15/499: 36%|██████| 57/160 [06:03<10:50, 6.31s/it]print_dice: 0.5902738571166992
, print_iou: 0.418715238571167

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2020 Epoch 15/499: 36%|██████| 58/160 [06:09<10:46, 6.34s/it]print_dice: 0.5041845440864563
, print_iou: 0.33706334233283997
2021 Epoch 15/499: 37%|██████| 59/160 [06:15<10:36, 6.30s/it]print_dice: 0.5941879749298096
, print_iou: 0.4226652979850769
2022 Epoch 15/499: 38%|██████| 60/160 [06:21<10:27, 6.28s/it]print_dice: 0.5739372968673706
, print_iou: 0.4024628698825836
2023 Epoch 15/499: 38%|██████| 61/160 [06:28<10:17, 6.24s/it]print_dice: 0.5437150597572327
, print_iou: 0.3733575940132141
2024 Epoch 15/499: 39%|██████| 62/160 [06:34<10:12, 6.25s/it]print_dice: 0.
46038663387298584, print_iou: 0.2990274429321289
2025 Epoch 15/499: 39%|██████| 63/160 [06:40<10:01, 6.20s/it]print_dice: 0.456079363822937
, print_iou: 0.295403391122818
2026 Epoch 15/499: 40%|██████| 64/160 [06:46<10:00, 6.25s/it]print_dice: 0.5807220339775085
, print_iou: 0.40916723012924194
2027 Epoch 15/499: 41%|██████| 65/160 [06:53<09:55, 6.27s/it]print_dice: 0.5528314113616943
, print_iou: 0.38200896978378296
2028 print_dice: 0.512725293636322, print_iou: 0.34474146366119385
2029 Epoch 15/499: 42%|██████| 67/160 [07:05<09:44, 6.28s/it]print_dice: 0.5044782757759094
, print_iou: 0.33732593059539795
2030 Epoch 15/499: 42%|██████| 68/160 [07:11<09:35, 6.25s/it]print_dice: 0.5106622576713562
, print_iou: 0.3428787589073181
2031 Epoch 15/499: 43%|██████| 69/160 [07:18<09:32, 6.29s/it]print_dice: 0.5634323358535767
, print_iou: 0.3922072947025299
2032 Epoch 15/499: 44%|██████| 70/160 [07:24<09:27, 6.31s/it]print_dice: 0.5299405455589294
, print_iou: 0.3604891896247864
2033 print_dice: 0.4854595363140106, print_iou: 0.32053256034851074
2034 Epoch 15/499: 45%|██████| 72/160 [07:37<09:09, 6.25s/it]print_dice: 0.5687289834022522
, print_iou: 0.39735937118530273
2035 print_dice: 0.5481644868850708, print_iou: 0.37756654620170593
2036 Epoch 15/499: 46%|██████| 74/160 [07:49<08:57, 6.25s/it]print_dice: 0.4945122301578522
, print_iou: 0.3284730911254883
2037 Epoch 15/499: 47%|██████| 75/160 [07:55<08:51, 6.25s/it]print_dice: 0.5846607685089111
, print_iou: 0.4130887985229492
2038 Epoch 15/499: 48%|██████| 76/160 [08:02<08:48, 6.30s/it]print_dice: 0.
48174530267715454, print_iou: 0.31730204820632935
2039 Epoch 15/499: 48%|██████| 77/160 [08:08<08:39, 6.26s/it]print_dice: 0.
49081066250801086, print_iou: 0.32521477341651917
2040 Epoch 15/499: 49%|██████| 78/160 [08:14<08:28, 6.21s/it]print_dice: 0.5067369341850281
, print_iou: 0.3393487334251404
2041 Epoch 15/499: 49%|██████| 79/160 [08:20<08:28, 6.27s/it]print_dice: 0.5365924835205078
, print_iou: 0.3666733503341675
2042 print_dice: 0.5199378132820129, print_iou: 0.3512945771217346
2043 Epoch 15/499: 51%|██████| 81/160 [08:33<08:13, 6.24s/it]print_dice: 0.5220946073532104
, print_iou: 0.3532665967941284
2044 Epoch 15/499: 51%|██████| 82/160 [08:39<08:06, 6.23s/it]print_dice: 0.4745781123638153
, print_iou: 0.3111127018928528
2045 Epoch 15/499: 52%|██████| 83/160 [08:45<08:00, 6.24s/it]print_dice: 0.4413956105709076
, print_iou: 0.283199280500412
2046 Epoch 15/499: 52%|██████| 84/160 [08:52<07:53, 6.23s/it]print_dice: 0.57994145154953
, print_iou: 0.40839263796806335
2047 print_dice: 0.42823952436447144, print_iou: 0.2724585235118866
2048 Epoch 15/499: 54%|██████| 86/160 [09:04<07:39, 6.21s/it]print_dice: 0.5887268781661987
, print_iou: 0.41716015338897705
2049 Epoch 15/499: 54%|██████| 87/160 [09:10<07:32, 6.20s/it]print_dice: 0.5339341759681702
, print_iou: 0.36419522762298584
2050 print_dice: 0.465267151594162, print_iou: 0.30315840244293213
2051 Epoch 15/499: 56%|██████| 89/160 [09:23<07:25, 6.28s/it]print_dice: 0.5279036164283752
, print_iou: 0.3586066663265228
2052 Epoch 15/499: 56%|██████| 90/160 [09:29<07:19, 6.28s/it]print_dice: 0.5371800065040588
, print_iou: 0.36722221970558167
2053 print_dice: 0.5414560437202454, print_iou: 0.3712305426597595
2054 Epoch 15/499: 57%|██████| 92/160 [09:42<07:07, 6.29s/it]print_dice: 0.5003187656402588
, print_iou: 0.3336167335510254
2055 Epoch 15/499: 58%|██████| 93/160 [09:48<06:59, 6.27s/it]print_dice: 0.4842989444732666
, print_iou: 0.31952139735221863
2056 Epoch 15/499: 59%|██████| 94/160 [09:54<06:55, 6.30s/it]print_dice: 0.6006699800491333
, print_iou: 0.4292553961277008
2057 print_dice: 0.44807809591293335, print_iou: 0.2887246310710907
2058 Epoch 15/499: 60%|██████| 96/160 [10:07<06:41, 6.28s/it]print_dice: 0.5216690301895142

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2058 , print_iou: 0.35287705063819885
2059 Epoch 15/499: 61%|███████| 97/160 [10:13<06:32, 6.23s/it]print_dice: 0.434917688369751
, print_iou: 0.27788805961608887
2060 print_dice: 0.5199450850486755, print_iou: 0.3513012230396271
2061 Epoch 15/499: 62%|███████| 99/160 [10:25<06:19, 6.23s/it]print_dice: 0.6361789703369141
, print_iou: 0.46646809577941895
2062 Epoch 15/499: 62%|███████| 100/160 [10:32<06:14, 6.25s/it]print_dice: 0.500830352306366
, print_iou: 0.3340718150138855
2063 Epoch 15/499: 63%|███████| 101/160 [10:38<06:06, 6.22s/it]print_dice: 0.
5468050837516785, print_iou: 0.3762778639793396
2064 [100/160] eta: 0:06:19 time: 6.2470 data: 0.0005
2065 Epoch 15/499: 64%|███████| 102/160 [10:44<06:00, 6.21s/it]print_dice: 0.510372519493103
, print_iou: 0.34261754155158997
2066 Epoch 15/499: 64%|███████| 103/160 [10:50<05:55, 6.24s/it]print_dice: 0.
5196068286895752, print_iou: 0.35099247097969055
2067 print_dice: 0.4380398094654083, print_iou: 0.28044238686561584
2068 Epoch 15/499: 66%|███████| 105/160 [11:03<05:42, 6.23s/it]print_dice: 0.
5395489931106567, print_iou: 0.369439959526062
2069 Epoch 15/499: 66%|███████| 106/160 [11:09<05:36, 6.22s/it]print_dice: 0.
5519488453865051, print_iou: 0.3811666667461395
2070 Epoch 15/499: 67%|███████| 107/160 [11:15<05:29, 6.22s/it]print_dice: 0.
5243454575538635, print_iou: 0.35533076524734497
2071 print_dice: 0.6139655709266663, print_iou: 0.4429655969142914
2072 Epoch 15/499: 68%|███████| 109/160 [11:28<05:17, 6.23s/it]print_dice: 0.
46261996030807495, print_iou: 0.3009145259857178
2073 print_dice: 0.5316731333732605, print_iou: 0.362094521522522
2074 Epoch 15/499: 69%|███████| 111/160 [11:40<05:08, 6.29s/it]print_dice: 0.509200394153595
, print_iou: 0.3415619134902954
2075 Epoch 15/499: 70%|███████| 112/160 [11:47<05:01, 6.28s/it]print_dice: 0.
5626226663589478, print_iou: 0.3914230763912201
2076 Epoch 15/499: 71%|███████| 113/160 [11:53<04:56, 6.30s/it]print_dice: 0.
5497584342956543, print_iou: 0.37908056378364563
2077 print_dice: 0.5115116834640503, print_iou: 0.3436450958251953
2078 Epoch 15/499: 72%|███████| 115/160 [12:06<04:43, 6.30s/it]print_dice: 0.
5459816455841064, print_iou: 0.3754984438419342
2079 Epoch 15/499: 72%|███████| 116/160 [12:12<04:37, 6.31s/it]print_dice: 0.
4908061623573303, print_iou: 0.3252108097076416
2080 Epoch 15/499: 73%|███████| 117/160 [12:18<04:31, 6.31s/it]print_dice: 0.
5558052062988281, print_iou: 0.3848547339439392
2081 print_dice: 0.5780165791511536, print_iou: 0.4064861536026001
2082 Epoch 15/499: 74%|███████| 119/160 [12:31<04:15, 6.24s/it]print_dice: 0.
5250781178474426, print_iou: 0.356003999710083
2083 Epoch 15/499: 75%|███████| 120/160 [12:37<04:07, 6.19s/it]print_dice: 0.
5433966517448425, print_iou: 0.37305742502212524
2084 Epoch 15/499: 76%|███████| 121/160 [12:43<04:02, 6.21s/it]print_dice: 0.
5548540949821472, print_iou: 0.3839432895183563
2085 print_dice: 0.44270071387290955, print_iou: 0.2842746675014496
2086 Epoch 15/499: 77%|███████| 123/160 [12:56<03:51, 6.27s/it]print_dice: 0.
5001031160354614, print_iou: 0.33342498540878296
2087 Epoch 15/499: 78%|███████| 124/160 [13:02<03:44, 6.23s/it]print_dice: 0.
5433858633041382, print_iou: 0.37304720282554626
2088 Epoch 15/499: 78%|███████| 125/160 [13:08<03:37, 6.21s/it]print_dice: 0.
5521227121353149, print_iou: 0.38133254647254944
2089 Epoch 15/499: 79%|███████| 126/160 [13:14<03:30, 6.20s/it]print_dice: 0.
5509696006774902, print_iou: 0.3802332878112793
2090 Epoch 15/499: 79%|███████| 127/160 [13:20<03:24, 6.20s/it]print_dice: 0.
5384408235549927, print_iou: 0.3684016764163971
2091 Epoch 15/499: 80%|███████| 128/160 [13:26<03:18, 6.20s/it]print_dice: 0.
5620362758636475, print_iou: 0.39085566997528076
2092 Epoch 15/499: 81%|███████| 129/160 [13:33<03:12, 6.21s/it]print_dice: 0.
5236778259277344, print_iou: 0.35471785068511963
2093 print_dice: 0.5144965052604675, print_iou: 0.34634485840797424
2094 Epoch 15/499: 82%|███████| 131/160 [13:45<02:59, 6.21s/it]print_dice: 0.
49416834115982056, print_iou: 0.32816970348358154
2095 Epoch 15/499: 82%|███████| 132/160 [13:51<02:53, 6.21s/it]print_dice: 0.
47735121846199036, print_iou: 0.3135005533695221
2096 print_dice: 0.5042317509651184, print_iou: 0.33710554242134094
2097 Epoch 15/499: 84%|███████| 134/160 [14:04<02:43, 6.27s/it]print_dice: 0.
5430094003677368, print_iou: 0.37269243597984314

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2098 Epoch 15/499: 84%|██████████| 135/160 [14:10<02:35, 6.22s/it]print_dice: 0.
5626168251037598, print_iou: 0.39141741394996643
2099 Epoch 15/499: 85%|██████████| 136/160 [14:16<02:28, 6.20s/it]print_dice: 0.
5549947023391724, print_iou: 0.3840779960155487
2100 Epoch 15/499: 86%|██████████| 137/160 [14:23<02:23, 6.22s/it]print_dice: 0.
5431445240974426, print_iou: 0.37281978130340576
2101 Epoch 15/499: 86%|██████████| 138/160 [14:29<02:17, 6.24s/it]print_dice: 0.
48793700337409973, print_iou: 0.3226962089538574
2102 print_dice: 0.5313724279403687, print_iou: 0.3618156313896179
2103 Epoch 15/499: 88%|██████████| 140/160 [14:41<02:04, 6.24s/it]print_dice: 0.
5786948800086975, print_iou: 0.40715739130973816
2104 print_dice: 0.5996387004852295, print_iou: 0.4282028377056122
2105 Epoch 15/499: 89%|██████████| 142/160 [14:54<01:52, 6.23s/it]print_dice: 0.
5475839376449585, print_iou: 0.3770158886909485
2106 Epoch 15/499: 89%|██████████| 143/160 [15:00<01:46, 6.29s/it]print_dice: 0.
45412692427635193, print_iou: 0.2937672734260559
2107 Epoch 15/499: 90%|██████████| 144/160 [15:06<01:39, 6.22s/it]print_dice: 0.
5782973766326904, print_iou: 0.4067639708518982
2108 Epoch 15/499: 91%|██████████| 145/160 [15:13<01:33, 6.23s/it]print_dice: 0.
5180455446243286, print_iou: 0.349569171667099
2109 Epoch 15/499: 91%|██████████| 146/160 [15:19<01:26, 6.21s/it]print_dice: 0.
5489620566368103, print_iou: 0.3783237338066101
2110 print_dice: 0.4686797261238098, print_iou: 0.3060625195503235
2111 Epoch 15/499: 92%|██████████| 148/160 [15:31<01:14, 6.23s/it]print_dice: 0.
5556256771087646, print_iou: 0.3846825957298279
2112 Epoch 15/499: 93%|██████████| 149/160 [15:37<01:08, 6.25s/it]print_dice: 0.
4618338346481323, print_iou: 0.3002496361732483
2113 Epoch 15/499: 94%|██████████| 150/160 [15:44<01:02, 6.26s/it]print_dice: 0.
4812767803668976, print_iou: 0.31689563393592834
2114 print_dice: 0.5368355512619019, print_iou: 0.36690032482147217
2115 Epoch 15/499: 95%|██████████| 152/160 [15:56<00:49, 6.25s/it]print_dice: 0.
45363524556159973, print_iou: 0.29335591197013855
2116 Epoch 15/499: 96%|██████████| 153/160 [16:02<00:43, 6.23s/it]print_dice: 0.531333863735199
, print_iou: 0.3617798686027527
2117 Epoch 15/499: 96%|██████████| 154/160 [16:09<00:37, 6.20s/it]print_dice: 0.
4351072609424591, print_iou: 0.27804285287857056
2118 Epoch 15/499: 97%|██████████| 155/160 [16:15<00:31, 6.22s/it]print_dice: 0.
5067493915557861, print_iou: 0.33935993909835815
2119 Epoch 15/499: 98%|██████████| 156/160 [16:21<00:24, 6.24s/it]print_dice: 0.506109893321991
, print_iou: 0.3387865722179413
2120 print_dice: 0.4707932770252228, print_iou: 0.3078676462173462
2121 Epoch 15/499: 99%|██████████| 158/160 [16:34<00:12, 6.23s/it]print_dice: 0.
5252684950828552, print_iou: 0.35617905855178833
2122 Epoch 15/499: 99%|██████████| 159/160 [16:40<00:06, 6.20s/it]print_dice: 0.
5737771391868591, print_iou: 0.40230539441108704
2123 Epoch 15/499: 100%|██████████| 160/160 [16:46<00:00, 6.15s/it]print_dice: 0.
5687276124954224, print_iou: 0.3973580300807953
2124 [159/160] eta: 0:00:06 time: 6.2188 data: 0.0026
2125 Total time: 0:16:47 (6.2940 s / it)
2126 Averaged stats: training_loss: -386.2095 (-386.2095) loss_mask: -386.1499 (-386.1499)
loss_dice: -0.0596 (-0.0596)
2127 Epoch 15/499: 100%|██████████| 160/160 [16:47<00:00, 6.29s/it]
2128 Net parameter norm: 1053.8339154073037
2129 Validating...
2130 Valid_dataloader len: 12
2131 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
sigmoid values: tensor([8.2736e-04, 8.6135e-04, 8.6385e-04, ..., 9.9998e-01, 9.9998e-01,
2132 9.9998e-01], grad_fn=<Unique2Backward0>)
2133 8%|██████████| 1/12 [00:09<01:41, 9.26s/it]print_dice: 0.5460132956504822, print_iou: 0.
37552839517593384
2134 [ 0/12] eta: 0:01:51 time: 9.2567 data: 5.0971
2135 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.5373e-04, 8.
6265e-04, 8.6524e-04, ..., 9.9996e-01, 9.9997e-01,
2136 9.9997e-01], grad_fn=<Unique2Backward0>)
2137 print_dice: 0.6098098158836365, print_iou: 0.43865206837654114
2138 17%|██████████| 2/12 [00:13<01:02, 6.30s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([8.5437e-04, 8.6246e-04, 8.6487e-04, ..., 9.9996e-01, 9.
9997e-01,
2139 9.9997e-01], grad_fn=<Unique2Backward0>)

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2140 25%|██████| 3/12 [00:17<00:48, 5.37s/it]print_dice: 0.530807375907898, print_iou: 0.
36129191517829895
2141 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0013, 0.0014
, 0.0014, ..., 1.0000, 1.0000, 1.0000],
2142 grad_fn=<Unique2Backward0>)
2143 print_dice: 0.5193237662315369, print_iou: 0.3507342040538788
2144 33%|██████| 4/12 [00:21<00:39, 4.93s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0025, 0.0026, 0.0026, ..., 0.9998, 0.9998, 0.9998],
2145 grad_fn=<Unique2Backward0>)
2146 42%|██████| 5/12 [00:26<00:32, 4.63s/it]print_dice: 0.5605462193489075, print_iou: 0.
3894159495830536
2147 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.5442e-04, 8.
6248e-04, 8.6490e-04, ..., 9.9996e-01, 9.9997e-01,
2148 9.9997e-01], grad_fn=<Unique2Backward0>)
2149 50%|██████| 6/12 [00:30<00:26, 4.49s/it]print_dice: 0.5034906268119812, print_iou: 0.
33644333481788635
2150 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([9.0460e-04, 9.
0465e-04, 9.1119e-04, ..., 9.9998e-01, 9.9998e-01,
2151 9.9998e-01], grad_fn=<Unique2Backward0>)
2152 58%|██████| 7/12 [00:34<00:21, 4.39s/it]print_dice: 0.4448408782482147, print_iou: 0.
2860420346260071
2153 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0023, 0.0023
, 0.0024, ..., 0.9997, 0.9997, 0.9997],
2154 grad_fn=<Unique2Backward0>)
2155 67%|██████| 8/12 [00:38<00:17, 4.29s/it]print_dice: 0.5358595252037048, print_iou: 0.
36598917841911316
2156 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0021, 0.0021
, 0.0021, ..., 0.9998, 0.9998, 0.9998],
2157 grad_fn=<Unique2Backward0>)
2158 75%|██████| 9/12 [00:42<00:12, 4.24s/it]print_dice: 0.5515619516372681, print_iou: 0.
38079774379730225
2159 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0016, 0.0016
, 0.0017, ..., 0.9998, 0.9998, 0.9998],
2160 grad_fn=<Unique2Backward0>)
2161 print_dice: 0.5621290802955627, print_iou: 0.3909454643726349
2162 83%|██████| 10/12 [00:47<00:08, 4.27s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([8.5423e-04, 8.6275e-04, 8.6537e-04, ..., 9.9996e-01, 9.
9997e-01,
2163 9.9997e-01], grad_fn=<Unique2Backward0>)
2164 print_dice: 0.6148741841316223, print_iou: 0.44391217827796936
2165 92%|██████| 11/12 [00:51<00:04, 4.19s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([8.3890e-04, 9.0936e-04, 9.0941e-04, ..., 9.9998e-01, 9.
9998e-01,
2166 9.9998e-01], grad_fn=<Unique2Backward0>)
2167 100%|██████| 12/12 [00:55<00:00, 4.13s/it]print_dice: 0.5705629587173462, print_iou: 0
.3991522192955017
2168 [11/12] eta: 0:00:04 time: 4.5860 data: 0.4252
2169 100%|██████| 12/12 [00:55<00:00, 4.63s/it]
2170 Total time: 0:00:55 (4.6334 s / it)
2171 =====
2172 Averaged stats:
2173 epoch: 16 learning rate: 1e-06
2174 Epoch 16/499: 1%|██████| 1/160 [00:10<27:35, 10.41s/it]print_dice: 0.5301566123962402
, print_iou: 0.3606891632080078
2175 [ 0/160] eta: 0:27:45 time: 10.4100 data: 4.1593
2176 Epoch 16/499: 1%|██████| 2/160 [00:16<21:06, 8.01s/it]print_dice: 0.5098464488983154
, print_iou: 0.34214356541633606
2177 Epoch 16/499: 2%|██████| 3/160 [00:22<18:44, 7.16s/it]print_dice: 0.5424469709396362
, print_iou: 0.372162789106369
2178 Epoch 16/499: 2%|██████| 4/160 [00:29<17:36, 6.77s/it]print_dice: 0.5767889022827148
, print_iou: 0.4052729308605194
2179 Epoch 16/499: 3%|██████| 5/160 [00:35<16:53, 6.54s/it]print_dice: 0.45521050691604614
, print_iou: 0.2946747839450836
2180 print_dice: 0.5527373552322388, print_iou: 0.38191917538642883
2181 Epoch 16/499: 4%|██████| 7/160 [00:47<16:20, 6.41s/it]print_dice: 0.5646088719367981
, print_iou: 0.39334842562675476
2182 Epoch 16/499: 5%|██████| 8/160 [00:54<16:05, 6.35s/it]print_dice: 0.45998090505599976
, print_iou: 0.2986851930618286
2183 Epoch 16/499: 6%|██████| 9/160 [01:00<15:51, 6.30s/it]print_dice: 0.4968530833721161

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2183 , print_iou: 0.3305419385433197
2184 Epoch 16/499: 6%|█| 10/160 [01:06<15:36, 6.24s/it]print_dice: 0.5034228563308716
, print_iou: 0.33638283610343933
2185 Epoch 16/499: 7%|█| 11/160 [01:12<15:32, 6.26s/it]print_dice: 0.5282881259918213
, print_iou: 0.35896167159080505
2186 print_dice: 0.531376302242279, print_iou: 0.36181923747062683
2187 Epoch 16/499: 8%|█| 13/160 [01:25<15:16, 6.23s/it]print_dice: 0.5388785600662231
, print_iou: 0.36881160736083984
2188 print_dice: 0.6077455282211304, print_iou: 0.43651899695396423
2189 Epoch 16/499: 9%|█| 15/160 [01:37<14:59, 6.20s/it]print_dice: 0.5173918008804321
, print_iou: 0.3489740490913391
2190 print_dice: 0.5025907158851624, print_iou: 0.33564019203186035
2191 Epoch 16/499: 11%|█| 17/160 [01:49<14:46, 6.20s/it]print_dice: 0.6003232002258301
, print_iou: 0.4289013147354126
2192 print_dice: 0.5232529044151306, print_iou: 0.35432806611061096
2193 Epoch 16/499: 12%|█| 19/160 [02:02<14:42, 6.26s/it]print_dice: 0.5567656755447388
, print_iou: 0.3857763707637787
2194 Epoch 16/499: 12%|█| 20/160 [02:08<14:27, 6.20s/it]print_dice: 0.
43441760540008545, print_iou: 0.2774798572063446
2195 Epoch 16/499: 13%|█| 21/160 [02:14<14:18, 6.17s/it]print_dice: 0.4931562840938568
, print_iou: 0.32727766036987305
2196 Epoch 16/499: 14%|█| 22/160 [02:20<14:14, 6.19s/it]print_dice: 0.5695297122001648
, print_iou: 0.3981415927410126
2197 print_dice: 0.5337506532669067, print_iou: 0.36402449011802673
2198 Epoch 16/499: 15%|█| 24/160 [02:33<13:59, 6.17s/it]print_dice: 0.6255009174346924
, print_iou: 0.45507556200027466
2199 Epoch 16/499: 16%|█| 25/160 [02:39<13:57, 6.20s/it]print_dice: 0.5629868507385254
, print_iou: 0.3917757272720337
2200 Epoch 16/499: 16%|█| 26/160 [02:45<13:56, 6.24s/it]print_dice: 0.4651206135749817
, print_iou: 0.3030339777469635
2201 print_dice: 0.48522698879241943, print_iou: 0.32032981514930725
2202 Epoch 16/499: 18%|█| 28/160 [02:58<13:38, 6.20s/it]print_dice: 0.4918209910392761
, print_iou: 0.32610252499580383
2203 Epoch 16/499: 18%|█| 29/160 [03:04<13:31, 6.19s/it]print_dice: 0.5866082906723022
, print_iou: 0.4150359034538269
2204 Epoch 16/499: 19%|█| 30/160 [03:10<13:25, 6.19s/it]print_dice: 0.4971565306186676
, print_iou: 0.3308105766773224
2205 Epoch 16/499: 19%|█| 31/160 [03:16<13:17, 6.18s/it]print_dice: 0.
48805612325668335, print_iou: 0.3228004276752472
2206 print_dice: 0.5728545784950256, print_iou: 0.4013988971710205
2207 Epoch 16/499: 21%|█| 33/160 [03:28<13:02, 6.16s/it]print_dice: 0.4742703139781952
, print_iou: 0.310848206281662
2208 Epoch 16/499: 21%|█| 34/160 [03:35<13:02, 6.21s/it]print_dice: 0.562313973903656
, print_iou: 0.39112430810928345
2209 Epoch 16/499: 22%|█| 35/160 [03:41<13:03, 6.27s/it]print_dice: 0.5731225609779358
, print_iou: 0.40166208148002625
2210 Epoch 16/499: 22%|█| 36/160 [03:47<12:53, 6.24s/it]print_dice: 0.5026247501373291
, print_iou: 0.33567050099372864
2211 print_dice: 0.5823097825050354, print_iou: 0.41074541211128235
2212 Epoch 16/499: 24%|█| 38/160 [04:00<12:37, 6.21s/it]print_dice: 0.5132275223731995
, print_iou: 0.3451957702636719
2213 Epoch 16/499: 24%|█| 39/160 [04:06<12:31, 6.21s/it]print_dice: 0.5606236457824707
, print_iou: 0.38949066400527954
2214 Epoch 16/499: 25%|█| 40/160 [04:12<12:31, 6.26s/it]print_dice: 0.5580106973648071
, print_iou: 0.3869728446006775
2215 Epoch 16/499: 26%|█| 41/160 [04:19<12:33, 6.33s/it]print_dice: 0.5407223105430603
, print_iou: 0.3705410659313202
2216 print_dice: 0.5398388504981995, print_iou: 0.36971184611320496
2217 Epoch 16/499: 27%|█| 43/160 [04:31<12:20, 6.33s/it]print_dice: 0.
42217159271240234, print_iou: 0.26756495237350464
2218 Epoch 16/499: 28%|█| 44/160 [04:38<12:17, 6.35s/it]print_dice: 0.
46988725662231445, print_iou: 0.30709323287010193
2219 Epoch 16/499: 28%|█| 45/160 [04:44<12:03, 6.29s/it]print_dice: 0.5256625413894653
, print_iou: 0.3565415143966675
2220 Epoch 16/499: 29%|█| 46/160 [04:50<11:55, 6.28s/it]print_dice: 0.5273169875144958
, print_iou: 0.35806551575660706
2221 Epoch 16/499: 29%|█| 47/160 [04:56<11:45, 6.24s/it]print_dice: 0.5365267992019653
, print_iou: 0.3666119873523712
2222 Epoch 16/499: 30%|█| 48/160 [05:03<11:38, 6.23s/it]print_dice: 0.

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2222 49490997195243835, print_iou: 0.32882416248321533
2223 Epoch 16/499: 31%|██████| 49/160 [05:09<11:29, 6.21s/it]print_dice: 0.
    48713910579681396, print_iou: 0.32199862599372864
2224 Epoch 16/499: 31%|██████| 50/160 [05:15<11:24, 6.22s/it]print_dice: 0.4652050733566284
    , print_iou: 0.3031056821346283
2225 Epoch 16/499: 32%|██████| 51/160 [05:21<11:19, 6.24s/it]print_dice: 0.4618873596191406
    , print_iou: 0.3002949059009552
2226 Epoch 16/499: 32%|██████| 52/160 [05:27<11:09, 6.20s/it]print_dice: 0.5334474444389343
    , print_iou: 0.3637424409389496
2227 Epoch 16/499: 33%|██████| 53/160 [05:34<11:04, 6.21s/it]print_dice: 0.5154062509536743
    , print_iou: 0.3471699059009552
2228 Epoch 16/499: 34%|██████| 54/160 [05:40<10:58, 6.22s/it]print_dice: 0.5516586303710938
    , print_iou: 0.3808899223804474
2229 Epoch 16/499: 34%|██████| 55/160 [05:46<10:51, 6.20s/it]print_dice: 0.5054739117622375
    , print_iou: 0.3382168710231781
2230 Epoch 16/499: 35%|██████| 56/160 [05:52<10:43, 6.19s/it]print_dice: 0.5282914042472839
    , print_iou: 0.3589646816253662
2231 Epoch 16/499: 36%|██████| 57/160 [05:58<10:38, 6.20s/it]print_dice: 0.4936069846153259
    , print_iou: 0.3276747763156891
2232 Epoch 16/499: 36%|██████| 58/160 [06:05<10:34, 6.22s/it]print_dice: 0.6068056225776672
    , print_iou: 0.43554988503456116
2233 Epoch 16/499: 37%|██████| 59/160 [06:11<10:25, 6.20s/it]print_dice: 0.532979428768158
    , print_iou: 0.3633074164390564
2234 Epoch 16/499: 38%|██████| 60/160 [06:17<10:18, 6.18s/it]print_dice: 0.5413467884063721
    , print_iou: 0.3711278438568115
2235 Epoch 16/499: 38%|██████| 61/160 [06:23<10:11, 6.18s/it]print_dice: 0.5600956678390503
    , print_iou: 0.3889811635017395
2236 print_dice: 0.5784868001937866, print_iou: 0.4069514274597168
2237 Epoch 16/499: 39%|██████| 63/160 [06:36<10:08, 6.27s/it]print_dice: 0.5976276397705078
    , print_iou: 0.4261547327041626
2238 print_dice: 0.5229290127754211, print_iou: 0.3540310859680176
2239 Epoch 16/499: 41%|██████| 65/160 [06:48<09:53, 6.25s/it]print_dice: 0.
    48048046231269836, print_iou: 0.3162055015563965
2240 Epoch 16/499: 41%|██████| 66/160 [06:54<09:43, 6.21s/it]print_dice: 0.5471962690353394
    , print_iou: 0.3766484260559082
2241 Epoch 16/499: 42%|██████| 67/160 [07:01<09:37, 6.21s/it]print_dice: 0.5272777676582336
    , print_iou: 0.3580293655395508
2242 print_dice: 0.5086596012115479, print_iou: 0.34107547998428345
2243 Epoch 16/499: 43%|██████| 69/160 [07:13<09:26, 6.22s/it]print_dice: 0.573701024055481
    , print_iou: 0.40223056077957153
2244 Epoch 16/499: 44%|██████| 70/160 [07:19<09:16, 6.18s/it]print_dice: 0.4487816095352173
    , print_iou: 0.2893090844154358
2245 Epoch 16/499: 44%|██████| 71/160 [07:26<09:11, 6.20s/it]print_dice: 0.
    46285513043403625, print_iou: 0.3011135458946228
2246 Epoch 16/499: 45%|██████| 72/160 [07:32<09:07, 6.22s/it]print_dice: 0.5634750127792358
    , print_iou: 0.3922486901283264
2247 Epoch 16/499: 46%|██████| 73/160 [07:38<09:09, 6.31s/it]print_dice: 0.5623685121536255
    , print_iou: 0.39117711782455444
2248 Epoch 16/499: 46%|██████| 74/160 [07:45<09:03, 6.32s/it]print_dice: 0.5104215741157532
    , print_iou: 0.3426617681980133
2249 Epoch 16/499: 47%|██████| 75/160 [07:51<08:53, 6.28s/it]print_dice: 0.5059003233909607
    , print_iou: 0.33859875798225403
2250 Epoch 16/499: 48%|██████| 76/160 [07:57<08:45, 6.25s/it]print_dice: 0.5325570702552795
    , print_iou: 0.3629150092601776
2251 print_dice: 0.537409782409668, print_iou: 0.3674370348453522
2252 Epoch 16/499: 49%|██████| 78/160 [08:09<08:31, 6.24s/it]print_dice: 0.6131385564804077
    , print_iou: 0.44210514426231384
2253 Epoch 16/499: 49%|██████| 79/160 [08:16<08:22, 6.21s/it]print_dice: 0.4183350205421448
    , print_iou: 0.2644902765750885
2254 Epoch 16/499: 50%|██████| 80/160 [08:22<08:13, 6.17s/it]print_dice: 0.
    45317187905311584, print_iou: 0.2929684817790985
2255 Epoch 16/499: 51%|██████| 81/160 [08:28<08:07, 6.17s/it]print_dice: 0.5750452876091003
    , print_iou: 0.4035533368587494
2256 Epoch 16/499: 51%|██████| 82/160 [08:34<08:04, 6.21s/it]print_dice: 0.5380368828773499
    , print_iou: 0.3680236041545868
2257 Epoch 16/499: 52%|██████| 83/160 [08:40<07:59, 6.23s/it]print_dice: 0.5430905818939209
    , print_iou: 0.37276893854141235
2258 Epoch 16/499: 52%|██████| 84/160 [08:47<07:56, 6.27s/it]print_dice: 0.5789498686790466
    , print_iou: 0.4074098765850067

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2259 print_dice: 0.46677693724632263, print_iou: 0.3044416606426239
2260 Epoch 16/499: 54%|██████| 86/160 [08:59<07:39, 6.21s/it]print_dice: 0.4690082371234894
, print_iou: 0.306342750787735
2261 Epoch 16/499: 54%|██████| 87/160 [09:05<07:34, 6.23s/it]print_dice: 0.5057612061500549
, print_iou: 0.3384741544723511
2262 Epoch 16/499: 55%|██████| 88/160 [09:12<07:27, 6.21s/it]print_dice: 0.
47487932443618774, print_iou: 0.31137165427207947
2263 Epoch 16/499: 56%|██████| 89/160 [09:18<07:21, 6.22s/it]print_dice: 0.5245776176452637
, print_iou: 0.3555440604686737
2264 Epoch 16/499: 56%|██████| 90/160 [09:24<07:15, 6.22s/it]print_dice: 0.
45291391015052795, print_iou: 0.29275286197662354
2265 Epoch 16/499: 57%|██████| 91/160 [09:30<07:11, 6.25s/it]print_dice: 0.5536054968833923
, print_iou: 0.38274863362312317
2266 Epoch 16/499: 57%|██████| 92/160 [09:37<07:05, 6.25s/it]print_dice: 0.4815279543399811
, print_iou: 0.3171134889125824
2267 Epoch 16/499: 58%|██████| 93/160 [09:43<06:59, 6.26s/it]print_dice: 0.5638926029205322
, print_iou: 0.3926534950733185
2268 print_dice: 0.47605443000793457, print_iou: 0.31238284707069397
2269 Epoch 16/499: 59%|██████| 95/160 [09:55<06:46, 6.25s/it]print_dice: 0.4642326235771179
, print_iou: 0.30228057503700256
2270 print_dice: 0.5333863496780396, print_iou: 0.363685667514801
2271 Epoch 16/499: 61%|██████| 97/160 [10:08<06:35, 6.28s/it]print_dice: 0.52596515417099
, print_iou: 0.3568200469017029
2272 Epoch 16/499: 61%|██████| 98/160 [10:14<06:30, 6.30s/it]print_dice: 0.5406772494316101
, print_iou: 0.37049874663352966
2273 Epoch 16/499: 62%|██████| 99/160 [10:21<06:24, 6.30s/it]print_dice: 0.5092594027519226
, print_iou: 0.34161505103111267
2274 Epoch 16/499: 62%|██████| 100/160 [10:27<06:16, 6.28s/it]print_dice: 0.
5503178834915161, print_iou: 0.3796127736568451
2275 Epoch 16/499: 63%|██████| 101/160 [10:33<06:10, 6.27s/it]print_dice: 0.
5339837670326233, print_iou: 0.3642413914203644
2276 [100/160] eta: 0:06:16 time: 6.2602 data: 0.0001
2277 Epoch 16/499: 64%|██████| 102/160 [10:39<06:01, 6.23s/it]print_dice: 0.
49730703234672546, print_iou: 0.33094388246536255
2278 print_dice: 0.5217772722244263, print_iou: 0.3529760539531708
2279 Epoch 16/499: 65%|██████| 104/160 [10:52<05:49, 6.25s/it]print_dice: 0.
5532478094100952, print_iou: 0.38240674138069153
2280 Epoch 16/499: 66%|██████| 105/160 [10:58<05:42, 6.23s/it]print_dice: 0.
5790169835090637, print_iou: 0.40747636556625366
2281 Epoch 16/499: 66%|██████| 106/160 [11:04<05:35, 6.20s/it]print_dice: 0.
5200444459915161, print_iou: 0.3513919413089752
2282 Epoch 16/499: 67%|██████| 107/160 [11:10<05:27, 6.19s/it]print_dice: 0.521373987197876
, print_iou: 0.3526070713996887
2283 Epoch 16/499: 68%|██████| 108/160 [11:16<05:21, 6.18s/it]print_dice: 0.
4333852231502533, print_iou: 0.2766380310058594
2284 Epoch 16/499: 68%|██████| 109/160 [11:23<05:16, 6.20s/it]print_dice: 0.
47531312704086304, print_iou: 0.311744749546051
2285 print_dice: 0.4146447777748108, print_iou: 0.26154690980911255
2286 Epoch 16/499: 69%|██████| 111/160 [11:35<05:04, 6.22s/it]print_dice: 0.
5032686591148376, print_iou: 0.3362451493740082
2287 Epoch 16/499: 70%|██████| 112/160 [11:41<04:57, 6.20s/it]print_dice: 0.
5339120626449585, print_iou: 0.36417466402053833
2288 Epoch 16/499: 71%|██████| 113/160 [11:48<04:54, 6.27s/it]print_dice: 0.
5739239454269409, print_iou: 0.40244975686073303
2289 Epoch 16/499: 71%|██████| 114/160 [11:54<04:48, 6.28s/it]print_dice: 0.
5146172046661377, print_iou: 0.3464542627334595
2290 Epoch 16/499: 72%|██████| 115/160 [12:00<04:40, 6.24s/it]print_dice: 0.
42374032735824585, print_iou: 0.2688264548778534
2291 Epoch 16/499: 72%|██████| 116/160 [12:06<04:34, 6.23s/it]print_dice: 0.
4674557149410248, print_iou: 0.3050193786621094
2292 Epoch 16/499: 73%|██████| 117/160 [12:13<04:29, 6.27s/it]print_dice: 0.
5383281111717224, print_iou: 0.36829614639282227
2293 Epoch 16/499: 74%|██████| 118/160 [12:19<04:23, 6.27s/it]print_dice: 0.
4876379370689392, print_iou: 0.3224346339702606
2294 print_dice: 0.6034783720970154, print_iou: 0.4321296513080597
2295 Epoch 16/499: 75%|██████| 120/160 [12:31<04:07, 6.20s/it]print_dice: 0.
5253299474716187, print_iou: 0.3562355637550354
2296 Epoch 16/499: 76%|██████| 121/160 [12:38<04:03, 6.25s/it]print_dice: 0.
4601438343524933, print_iou: 0.2988225817680359
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2297 print_dice: 0.5469534993171692, print_iou: 0.37641844153404236
2298 Epoch 16/499: 77%|██████████| 123/160 [12:50<03:51, 6.27s/it]print_dice: 0.521259069442749
, print_iou: 0.35250192880630493
2299 print_dice: 0.5293430089950562, print_iou: 0.3599364459514618
2300 Epoch 16/499: 78%|██████████| 125/160 [13:02<03:37, 6.21s/it]print_dice: 0.
5767276883125305, print_iou: 0.4052124619483948
2301 Epoch 16/499: 79%|██████████| 126/160 [13:09<03:32, 6.25s/it]print_dice: 0.
5373057126998901, print_iou: 0.36733970046043396
2302 Epoch 16/499: 79%|██████████| 127/160 [13:15<03:25, 6.23s/it]print_dice: 0.
5002747178077698, print_iou: 0.33357760310173035
2303 Epoch 16/499: 80%|██████████| 128/160 [13:21<03:19, 6.22s/it]print_dice: 0.
5283531546592712, print_iou: 0.35902169346809387
2304 Epoch 16/499: 81%|██████████| 129/160 [13:28<03:13, 6.25s/it]print_dice: 0.
5339028239250183, print_iou: 0.3641660809516907
2305 Epoch 16/499: 81%|██████████| 130/160 [13:34<03:08, 6.27s/it]print_dice: 0.525957465171814
, print_iou: 0.3568129241466522
2306 Epoch 16/499: 82%|██████████| 131/160 [13:40<03:01, 6.26s/it]print_dice: 0.
4994516670703888, print_iou: 0.33284610509872437
2307 print_dice: 0.5667566657066345, print_iou: 0.39543643593788147
2308 Epoch 16/499: 83%|██████████| 133/160 [13:53<02:49, 6.27s/it]print_dice: 0.501482367515564
, print_iou: 0.33465227484703064
2309 Epoch 16/499: 84%|██████████| 134/160 [13:59<02:41, 6.23s/it]print_dice: 0.
43586355447769165, print_iou: 0.2786608040332794
2310 print_dice: 0.46114644408226013, print_iou: 0.2996688485145569
2311 Epoch 16/499: 85%|██████████| 136/160 [14:11<02:28, 6.19s/it]print_dice: 0.
4791683256626129, print_iou: 0.31506991386413574
2312 Epoch 16/499: 86%|██████████| 137/160 [14:18<02:24, 6.27s/it]print_dice: 0.547501802444458
, print_iou: 0.37693801522254944
2313 print_dice: 0.5436449646949768, print_iou: 0.3732914924621582
2314 Epoch 16/499: 87%|██████████| 139/160 [14:30<02:11, 6.26s/it]print_dice: 0.
5834935307502747, print_iou: 0.4119243621826172
2315 print_dice: 0.5194644331932068, print_iou: 0.3508625030517578
2316 Epoch 16/499: 88%|██████████| 141/160 [14:43<01:58, 6.25s/it]print_dice: 0.
47156238555908203, print_iou: 0.30852577090263367
2317 Epoch 16/499: 89%|██████████| 142/160 [14:49<01:52, 6.26s/it]print_dice: 0.
5516662001609802, print_iou: 0.3808971345424652
2318 Epoch 16/499: 89%|██████████| 143/160 [14:55<01:46, 6.24s/it]print_dice: 0.
4974713623523712, print_iou: 0.33108943700790405
2319 Epoch 16/499: 90%|██████████| 144/160 [15:01<01:39, 6.21s/it]print_dice: 0.
5074383616447449, print_iou: 0.3399781882762909
2320 Epoch 16/499: 91%|██████████| 145/160 [15:07<01:33, 6.24s/it]print_dice: 0.
4912306070327759, print_iou: 0.32558363676071167
2321 print_dice: 0.5220913887023926, print_iou: 0.3532636761665344
2322 Epoch 16/499: 92%|██████████| 147/160 [15:20<01:21, 6.24s/it]print_dice: 0.
4965447783470154, print_iou: 0.33026909828186035
2323 Epoch 16/499: 92%|██████████| 148/160 [15:26<01:14, 6.19s/it]print_dice: 0.
5110399723052979, print_iou: 0.3432193994522095
2324 Epoch 16/499: 93%|██████████| 149/160 [15:32<01:08, 6.19s/it]print_dice: 0.543022871017456
, print_iou: 0.3727051615715027
2325 Epoch 16/499: 94%|██████████| 150/160 [15:38<01:01, 6.19s/it]print_dice: 0.
42546042799949646, print_iou: 0.2702125906944275
2326 print_dice: 0.5325815677642822, print_iou: 0.3629377782344818
2327 Epoch 16/499: 95%|██████████| 152/160 [15:51<00:49, 6.18s/it]print_dice: 0.
5007743835449219, print_iou: 0.33402204513549805
2328 Epoch 16/499: 96%|██████████| 153/160 [15:57<00:43, 6.17s/it]print_dice: 0.
4912068247795105, print_iou: 0.3255627155303955
2329 Epoch 16/499: 96%|██████████| 154/160 [16:03<00:37, 6.18s/it]print_dice: 0.
5307878255844116, print_iou: 0.36127376556396484
2330 print_dice: 0.5009546279907227, print_iou: 0.33418241143226624
2331 Epoch 16/499: 98%|██████████| 156/160 [16:16<00:24, 6.19s/it]print_dice: 0.
46609535813331604, print_iou: 0.3038620054721832
2332 Epoch 16/499: 98%|██████████| 157/160 [16:22<00:18, 6.18s/it]print_dice: 0.516441285610199
, print_iou: 0.34810978174209595
2333 Epoch 16/499: 99%|██████████| 158/160 [16:28<00:12, 6.21s/it]print_dice: 0.
5091010332107544, print_iou: 0.3414725065231323
2334 Epoch 16/499: 99%|██████████| 159/160 [16:34<00:06, 6.17s/it]print_dice: 0.
48156309127807617, print_iou: 0.3171439468860626
2335 Epoch 16/499: 100%|██████████| 160/160 [16:40<00:00, 6.15s/it]print_dice: 0.
49380555748939514, print_iou: 0.327849805355072
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2336 [159/160] eta: 0:00:06 time: 6.1976 data: 0.0003
2337 Epoch 16/499: 100%|██████████| 160/160 [16:41<00:00, 6.26s/it]
2338 Total time: 0:16:41 (6.2589 s / it)
2339 Averaged stats: training_loss: -478.5196 (-478.5196) loss_mask: -478.4222 (-478.4222)
      loss_dice: -0.0974 (-0.0974)
2340 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8332871036837
2341 Validating...
2342 Valid_dataloader len: 12
2343 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0018, 0.0018
      , 0.0019, ..., 0.9999, 0.9999, 0.9999],
2344      grad_fn=<Unique2Backward0>)
2345 print_dice: 0.5731506943702698, print_iou: 0.401689738035202
2346 [ 0/12] eta: 0:01:47 time: 8.9333 data: 4.7736
2347 8%|███████| 1/12 [00:08<01:38, 8.93s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([6.6591e-04, 6.8520e-04, 6.9317e-04, ..., 9.9998e-01, 9.
      9998e-01,
2348      9.9998e-01], grad_fn=<Unique2Backward0>)
2349 17%|███████| 2/12 [00:13<01:02, 6.22s/it]print_dice: 0.606029212474823, print_iou: 0.
      4347502589225769
2350 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0011, 0.0012
      , 0.0012, ..., 0.9999, 0.9999, 0.9999],
2351      grad_fn=<Unique2Backward0>)
2352 25%|███████| 3/12 [00:17<00:47, 5.29s/it]print_dice: 0.5470929145812988, print_iou: 0.
      3765505254268646
2353 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.6582e-04, 6.
      8511e-04, 6.9305e-04, ..., 9.9998e-01, 9.9998e-01,
2354      9.9998e-01], grad_fn=<Unique2Backward0>)
2355 print_dice: 0.5356616377830505, print_iou: 0.3658045828342438
2356 33%|███████| 4/12 [00:21<00:38, 4.87s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([6.6599e-04, 6.8519e-04, 6.9313e-04, ..., 9.9998e-01, 9.
      9998e-01,
2357      9.9998e-01], grad_fn=<Unique2Backward0>)
2358 42%|███████| 5/12 [00:25<00:32, 4.59s/it]print_dice: 0.5965343117713928, print_iou: 0.
      4250437617301941
2359 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0013, 0.0013
      , 0.0013, ..., 0.9999, 0.9999, 0.9999],
2360      grad_fn=<Unique2Backward0>)
2361 print_dice: 0.5294424891471863, print_iou: 0.3600284159183502
2362 50%|███████| 6/12 [00:29<00:26, 4.45s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([6.6570e-04, 6.8497e-04, 6.9296e-04, ..., 9.9998e-01, 9.
      9998e-01,
2363      9.9998e-01], grad_fn=<Unique2Backward0>)
2364 58%|███████| 7/12 [00:34<00:22, 4.43s/it]print_dice: 0.4635580778121948, print_iou: 0.
      30170881748199463
2365 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.6587e-04, 6.
      8496e-04, 6.9287e-04, ..., 9.9998e-01, 9.9998e-01,
2366      9.9998e-01], grad_fn=<Unique2Backward0>)
2367 67%|███████| 8/12 [00:38<00:17, 4.32s/it]print_dice: 0.5622566342353821, print_iou: 0.
      39106881618499756
2368 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.1196e-04, 6.
      3760e-04, 6.3991e-04, ..., 9.9998e-01, 9.9999e-01,
2369      9.9999e-01], grad_fn=<Unique2Backward0>)
2370 print_dice: 0.5728009343147278, print_iou: 0.40134623646736145
2371 75%|███████| 9/12 [00:42<00:12, 4.26s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([6.1794e-04, 6.2973e-04, 6.6064e-04, ..., 9.9999e-01, 9.
      9999e-01,
2372      9.9999e-01], grad_fn=<Unique2Backward0>)
2373 83%|███████| 10/12 [00:46<00:08, 4.18s/it]print_dice: 0.5913376808166504, print_iou: 0
      .4197866916656494
2374 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0016, 0.0016
      , 0.0016, ..., 0.9999, 0.9999, 0.9999],
2375      grad_fn=<Unique2Backward0>)
2376 92%|███████| 11/12 [00:50<00:04, 4.17s/it]print_dice: 0.627627432346344, print_iou: 0.
      45733019709587097
2377 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.0570e-04, 7.
      0766e-04, 7.2978e-04, ..., 9.9999e-01, 9.9999e-01,
2378      9.9999e-01], grad_fn=<Unique2Backward0>)
2379 100%|███████| 12/12 [00:54<00:00, 4.11s/it]print_dice: 0.5951162576675415, print_iou: 0
      .423605352640152

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2380 [11/12] eta: 0:00:04 time: 4.5551 data: 0.3984
2381 100%|██████████| 12/12 [00:55<00:00, 4.59s/it]
2382 Total time: 0:00:55 (4.5882 s / it)
2383 =====
2384 Averaged stats:
2385 epoch: 17 learning rate: 1e-06
2386 Epoch 17/499: 1%|███████| 1/160 [00:10<27:18, 10.31s/it]print_dice: 0.5740317106246948
, print_iou: 0.40255576372146606
2387 [ 0/160] eta: 0:27:29 time: 10.3069 data: 4.0217
2388 print_dice: 0.5630252957344055, print_iou: 0.3918129503726959
2389 Epoch 17/499: 2%|███████| 3/160 [00:22<18:32, 7.08s/it]print_dice: 0.4723064601421356
, print_iou: 0.30916309356689453
2390 Epoch 17/499: 2%|███████| 4/160 [00:28<17:22, 6.68s/it]print_dice: 0.5552815794944763
, print_iou: 0.38435277342796326
2391 print_dice: 0.6113197207450867, print_iou: 0.4402163028717041
2392 Epoch 17/499: 4%|███████| 6/160 [00:41<16:33, 6.45s/it]print_dice: 0.5207647681236267
, print_iou: 0.35204997658729553
2393 Epoch 17/499: 4%|███████| 7/160 [00:47<16:13, 6.37s/it]print_dice: 0.5659754872322083
, print_iou: 0.3946763277053833
2394 Epoch 17/499: 5%|███████| 8/160 [00:53<16:07, 6.36s/it]print_dice: 0.45808085799217224
, print_iou: 0.29708486795425415
2395 print_dice: 0.5094319581985474, print_iou: 0.34177032113075256
2396 Epoch 17/499: 6%|███████| 10/160 [01:06<15:48, 6.32s/it]print_dice: 0.5679447650909424
, print_iou: 0.39659416675567627
2397 print_dice: 0.6036375761032104, print_iou: 0.4322929382324219
2398 Epoch 17/499: 8%|███████| 12/160 [01:18<15:21, 6.23s/it]print_dice: 0.514622688293457
, print_iou: 0.3464592695236206
2399 print_dice: 0.43872371315956116, print_iou: 0.28100326657295227
2400 Epoch 17/499: 9%|███████| 14/160 [01:31<15:05, 6.20s/it]print_dice: 0.5428662300109863
, print_iou: 0.37255755066871643
2401 print_dice: 0.5660015344619751, print_iou: 0.39470162987709045
2402 Epoch 17/499: 10%|███████| 16/160 [01:43<14:50, 6.19s/it]print_dice: 0.5105992555618286
, print_iou: 0.3428219258785248
2403 Epoch 17/499: 11%|███████| 17/160 [01:49<14:43, 6.18s/it]print_dice: 0.5715888142585754
, print_iou: 0.40015706419944763
2404 print_dice: 0.5316089391708374, print_iou: 0.36203497648239136
2405 Epoch 17/499: 12%|███████| 19/160 [02:01<14:31, 6.18s/it]print_dice: 0.
40962323546409607, print_iou: 0.25756365060806274
2406 print_dice: 0.5349411964416504, print_iou: 0.3651329278945923
2407 Epoch 17/499: 13%|███████| 21/160 [02:14<14:16, 6.16s/it]print_dice: 0.
46097713708877563, print_iou: 0.2995258569717407
2408 Epoch 17/499: 14%|███████| 22/160 [02:20<14:16, 6.21s/it]print_dice: 0.5490354299545288
, print_iou: 0.3783934414386749
2409 Epoch 17/499: 14%|███████| 23/160 [02:26<14:12, 6.22s/it]print_dice: 0.5398734211921692
, print_iou: 0.36974427103996277
2410 Epoch 17/499: 15%|███████| 24/160 [02:32<14:04, 6.21s/it]print_dice: 0.5884419679641724
, print_iou: 0.41687408089637756
2411 print_dice: 0.5359065532684326, print_iou: 0.36603298783302307
2412 Epoch 17/499: 16%|███████| 26/160 [02:45<13:54, 6.23s/it]print_dice: 0.5073989629745483
, print_iou: 0.3399427831172943
2413 Epoch 17/499: 17%|███████| 27/160 [02:51<13:42, 6.18s/it]print_dice: 0.5039395093917847
, print_iou: 0.3368443548679352
2414 Epoch 17/499: 18%|███████| 28/160 [02:57<13:45, 6.25s/it]print_dice: 0.5013759732246399
, print_iou: 0.33455753326416016
2415 Epoch 17/499: 18%|███████| 29/160 [03:04<13:43, 6.28s/it]print_dice: 0.4513843357563019
, print_iou: 0.2914760112762451
2416 print_dice: 0.5749847888946533, print_iou: 0.4034937620162964
2417 Epoch 17/499: 19%|███████| 31/160 [03:16<13:31, 6.29s/it]print_dice: 0.4731399416923523
, print_iou: 0.30987775325775146
2418 print_dice: 0.5115111470222473, print_iou: 0.3436446189880371
2419 Epoch 17/499: 21%|███████| 33/160 [03:29<13:13, 6.25s/it]print_dice: 0.5526174306869507
, print_iou: 0.3818046748638153
2420 print_dice: 0.5350048542022705, print_iou: 0.3651922345161438
2421 Epoch 17/499: 22%|███████| 35/160 [03:41<13:06, 6.29s/it]print_dice: 0.556974470615387
, print_iou: 0.3859768509864807
2422 Epoch 17/499: 22%|███████| 36/160 [03:48<12:59, 6.28s/it]print_dice: 0.4784869849681854
, print_iou: 0.31448104977607727
2423 Epoch 17/499: 23%|███████| 37/160 [03:54<13:00, 6.34s/it]print_dice: 0.
46486160159111023, print_iou: 0.3028141260147095

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2424 Epoch 17/499: 24%|██████| 38/160 [04:01<12:51, 6.33s/it]print_dice: 0.5108299255371094
, print_iou: 0.3430299162864685
2425 print_dice: 0.5811974406242371, print_iou: 0.409639447927475
2426 Epoch 17/499: 25%|██████| 40/160 [04:13<12:28, 6.23s/it]print_dice: 0.4784988760948181
, print_iou: 0.31449130177497864
2427 Epoch 17/499: 26%|██████| 41/160 [04:19<12:20, 6.22s/it]print_dice: 0.58998703956604
, print_iou: 0.41842666268348694
2428 Epoch 17/499: 26%|██████| 42/160 [04:25<12:16, 6.24s/it]print_dice: 0.5019884705543518
, print_iou: 0.33510318398475647
2429 Epoch 17/499: 27%|██████| 43/160 [04:32<12:13, 6.27s/it]print_dice: 0.5130720138549805
, print_iou: 0.3450550138950348
2430 Epoch 17/499: 28%|██████| 44/160 [04:38<12:06, 6.26s/it]print_dice: 0.4719459116458893
, print_iou: 0.30885419249534607
2431 Epoch 17/499: 28%|██████| 45/160 [04:44<11:56, 6.23s/it]print_dice: 0.5337817668914795
, print_iou: 0.3640533983707428
2432 Epoch 17/499: 29%|██████| 46/160 [04:50<11:49, 6.22s/it]print_dice: 0.5627073645591736
, print_iou: 0.39150506258010864
2433 Epoch 17/499: 29%|██████| 47/160 [04:56<11:44, 6.23s/it]print_dice: 0.4838685691356659
, print_iou: 0.3191468417644501
2434 Epoch 17/499: 30%|██████| 48/160 [05:03<11:38, 6.23s/it]print_dice: 0.
48247259855270386, print_iou: 0.3179333806037903
2435 Epoch 17/499: 31%|██████| 49/160 [05:09<11:33, 6.24s/it]print_dice: 0.588659942150116
, print_iou: 0.4170929491519928
2436 Epoch 17/499: 31%|██████| 50/160 [05:15<11:28, 6.25s/it]print_dice: 0.
49254974722862244, print_iou: 0.32674360275268555
2437 Epoch 17/499: 32%|██████| 51/160 [05:21<11:19, 6.23s/it]print_dice: 0.5007572770118713
, print_iou: 0.33400678634643555
2438 Epoch 17/499: 32%|██████| 52/160 [05:28<11:11, 6.21s/it]print_dice: 0.
43071943521499634, print_iou: 0.2744693458080292
2439 Epoch 17/499: 33%|██████| 53/160 [05:34<11:10, 6.27s/it]print_dice: 0.5093305706977844
, print_iou: 0.34167909622192383
2440 Epoch 17/499: 34%|██████| 54/160 [05:40<11:02, 6.25s/it]print_dice: 0.5355736017227173
, print_iou: 0.3657224476337433
2441 Epoch 17/499: 34%|██████| 55/160 [05:46<10:51, 6.21s/it]print_dice: 0.5364418029785156
, print_iou: 0.3665325939655304
2442 Epoch 17/499: 35%|██████| 56/160 [05:53<10:45, 6.20s/it]print_dice: 0.4488222897052765
, print_iou: 0.2893429398536682
2443 Epoch 17/499: 36%|██████| 57/160 [05:59<10:47, 6.28s/it]print_dice: 0.4156496822834015
, print_iou: 0.2623470723628998
2444 Epoch 17/499: 36%|██████| 58/160 [06:05<10:41, 6.29s/it]print_dice: 0.5055426955223083
, print_iou: 0.3382784426212311
2445 print_dice: 0.4819120764732361, print_iou: 0.3174467384815216
2446 Epoch 17/499: 38%|██████| 60/160 [06:18<10:23, 6.24s/it]print_dice: 0.5430964827537537
, print_iou: 0.37277451157569885
2447 Epoch 17/499: 38%|██████| 61/160 [06:24<10:18, 6.25s/it]print_dice: 0.5463530421257019
, print_iou: 0.3758498728275299
2448 Epoch 17/499: 39%|██████| 62/160 [06:30<10:14, 6.27s/it]print_dice: 0.6027964949607849
, print_iou: 0.43143072724342346
2449 Epoch 17/499: 39%|██████| 63/160 [06:36<10:05, 6.25s/it]print_dice: 0.5527269840240479
, print_iou: 0.38190925121307373
2450 print_dice: 0.5200014710426331, print_iou: 0.3513526916503906
2451 Epoch 17/499: 41%|██████| 65/160 [06:49<09:57, 6.29s/it]print_dice: 0.5587660670280457
, print_iou: 0.38769975304603577
2452 Epoch 17/499: 41%|██████| 66/160 [06:55<09:49, 6.27s/it]print_dice: 0.5428696274757385
, print_iou: 0.3725607693195343
2453 Epoch 17/499: 42%|██████| 67/160 [07:02<09:39, 6.23s/it]print_dice: 0.5877038240432739
, print_iou: 0.4161335229873657
2454 print_dice: 0.5467509627342224, print_iou: 0.3762265741825104
2455 Epoch 17/499: 43%|██████| 69/160 [07:14<09:25, 6.21s/it]print_dice: 0.4804312586784363
, print_iou: 0.31616291403770447
2456 Epoch 17/499: 44%|██████| 70/160 [07:20<09:17, 6.19s/it]print_dice: 0.5348552465438843
, print_iou: 0.36505284905433655
2457 Epoch 17/499: 44%|██████| 71/160 [07:26<09:08, 6.16s/it]print_dice: 0.
47701993584632874, print_iou: 0.31321483850479126
2458 Epoch 17/499: 45%|██████| 72/160 [07:32<09:03, 6.18s/it]print_dice: 0.5403780937194824
, print_iou: 0.37021785974502563
2459 print_dice: 0.5408384203910828, print_iou: 0.37065014243125916
2460 Epoch 17/499: 46%|██████| 74/160 [07:45<08:48, 6.15s/it]print_dice: 0.5312760472297668
, print_iou: 0.3617262542247772

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2461 Epoch 17/499: 47%|███████| 75/160 [07:51<08:41, 6.14s/it]print_dice: 0.5233640074729919
, print_iou: 0.3544299006462097
2462 print_dice: 0.48591524362564087, print_iou: 0.32093000411987305
2463 Epoch 17/499: 48%|███████| 77/160 [08:03<08:32, 6.17s/it]print_dice: 0.5081230998039246
, print_iou: 0.340593159198761
2464 print_dice: 0.5030538439750671, print_iou: 0.33605343103408813
2465 Epoch 17/499: 49%|███████| 79/160 [08:16<08:21, 6.19s/it]print_dice: 0.492901474237442
, print_iou: 0.3270532786846161
2466 print_dice: 0.5763527154922485, print_iou: 0.4048423171043396
2467 Epoch 17/499: 51%|███████| 81/160 [08:28<08:10, 6.21s/it]print_dice: 0.5620760917663574
, print_iou: 0.39089417457580566
2468 Epoch 17/499: 51%|███████| 82/160 [08:34<08:03, 6.20s/it]print_dice: 0.
46406009793281555, print_iou: 0.30213427543640137
2469 Epoch 17/499: 52%|███████| 83/160 [08:40<07:57, 6.20s/it]print_dice: 0.5338833928108215
, print_iou: 0.36414796113967896
2470 Epoch 17/499: 52%|███████| 84/160 [08:47<07:50, 6.18s/it]print_dice: 0.4793674945831299
, print_iou: 0.3152421712875366
2471 print_dice: 0.4620642066001892, print_iou: 0.30044442415237427
2472 Epoch 17/499: 54%|███████| 86/160 [08:59<07:43, 6.27s/it]print_dice: 0.423986554145813
, print_iou: 0.26902469992637634
2473 Epoch 17/499: 54%|███████| 87/160 [09:05<07:34, 6.22s/it]print_dice: 0.440095990896225
, print_iou: 0.2821301817893982
2474 Epoch 17/499: 55%|███████| 88/160 [09:11<07:25, 6.19s/it]print_dice: 0.572404146194458
, print_iou: 0.40095674991607666
2475 Epoch 17/499: 56%|███████| 89/160 [09:18<07:19, 6.19s/it]print_dice: 0.4959331750869751
, print_iou: 0.3297281265258789
2476 print_dice: 0.5342779159545898, print_iou: 0.36451515555381775
2477 Epoch 17/499: 57%|███████| 91/160 [09:30<07:10, 6.24s/it]print_dice: 0.
48264506459236145, print_iou: 0.31808316707611084
2478 Epoch 17/499: 57%|███████| 92/160 [09:36<07:02, 6.22s/it]print_dice: 0.5361587405204773
, print_iou: 0.3662683665752411
2479 print_dice: 0.4883563816547394, print_iou: 0.3230631649494171
2480 Epoch 17/499: 59%|███████| 94/160 [09:49<06:48, 6.19s/it]print_dice: 0.5146424174308777
, print_iou: 0.34647712111473083
2481 print_dice: 0.556543231010437, print_iou: 0.38556280732154846
2482 Epoch 17/499: 60%|███████| 96/160 [10:01<06:38, 6.22s/it]print_dice: 0.5493420958518982
, print_iou: 0.3786848187446594
2483 print_dice: 0.5507500171661377, print_iou: 0.38002416491508484
2484 Epoch 17/499: 61%|███████| 98/160 [10:14<06:24, 6.21s/it]print_dice: 0.5874466300010681
, print_iou: 0.4158756732940674
2485 Epoch 17/499: 62%|███████| 99/160 [10:20<06:21, 6.26s/it]print_dice: 0.5919819474220276
, print_iou: 0.4204363226890564
2486 print_dice: 0.5452434420585632, print_iou: 0.3748004734516144
2487 Epoch 17/499: 63%|███████| 101/160 [10:33<06:12, 6.32s/it]print_dice: 0.
5504735708236694, print_iou: 0.3797609806060791
2488 [100/160] eta: 0:06:16 time: 6.2426 data: 0.0002
2489 print_dice: 0.5559026598930359, print_iou: 0.38494816422462463
2490 Epoch 17/499: 64%|███████| 103/160 [10:46<06:01, 6.34s/it]print_dice: 0.
5436736941337585, print_iou: 0.3733185827732086
2491 print_dice: 0.5593443512916565, print_iou: 0.3882567882537842
2492 Epoch 17/499: 66%|███████| 105/160 [10:58<05:46, 6.30s/it]print_dice: 0.
5590182542800903, print_iou: 0.38794267177581787
2493 Epoch 17/499: 66%|███████| 106/160 [11:04<05:38, 6.27s/it]print_dice: 0.
5391774773597717, print_iou: 0.3690916895866394
2494 Epoch 17/499: 67%|███████| 107/160 [11:10<05:30, 6.24s/it]print_dice: 0.
4557839632034302, print_iou: 0.2951555550098419
2495 print_dice: 0.6085105538368225, print_iou: 0.43730875849723816
2496 Epoch 17/499: 68%|███████| 109/160 [11:23<05:19, 6.27s/it]print_dice: 0.
5105515718460083, print_iou: 0.3427789807319641
2497 Epoch 17/499: 69%|███████| 110/160 [11:29<05:11, 6.23s/it]print_dice: 0.
5174435973167419, print_iou: 0.34902116656303406
2498 Epoch 17/499: 69%|███████| 111/160 [11:35<05:05, 6.24s/it]print_dice: 0.
6271407008171082, print_iou: 0.4568135142326355
2499 Epoch 17/499: 70%|███████| 112/160 [11:42<04:57, 6.20s/it]print_dice: 0.
5260221362113953, print_iou: 0.35687246918678284
2500 print_dice: 0.4681738317012787, print_iou: 0.305631160736084
2501 Epoch 17/499: 71%|███████| 114/160 [11:54<04:43, 6.17s/it]print_dice: 0.574572741985321
, print_iou: 0.40308812260627747
2502 Epoch 17/499: 72%|███████| 115/160 [12:00<04:37, 6.17s/it]print_dice: 0.
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2502 5254111289978027, print_iou: 0.35631024837493896
2503 Epoch 17/499: 72%|██████████| 116/160 [12:06<04:30, 6.14s/it]print_dice: 0.501973569393158
, print_iou: 0.33508989214897156
2504 print_dice: 0.5378541350364685, print_iou: 0.3678525686264038
2505 Epoch 17/499: 74%|██████████| 118/160 [12:19<04:21, 6.22s/it]print_dice: 0.
5381644368171692, print_iou: 0.3681429326534271
2506 print_dice: 0.5060200095176697, print_iou: 0.33870601654052734
2507 Epoch 17/499: 75%|██████████| 120/160 [12:31<04:07, 6.19s/it]print_dice: 0.
5237882733345032, print_iou: 0.35481923818588257
2508 Epoch 17/499: 76%|██████████| 121/160 [12:37<04:03, 6.25s/it]print_dice: 0.
5588781237602234, print_iou: 0.387807697057724
2509 print_dice: 0.48217418789863586, print_iou: 0.3176742494106293
2510 Epoch 17/499: 77%|██████████| 123/160 [12:50<03:48, 6.19s/it]print_dice: 0.
5414943099021912, print_iou: 0.37126651406288147
2511 Epoch 17/499: 78%|██████████| 124/160 [12:56<03:42, 6.19s/it]print_dice: 0.
4882713854312897, print_iou: 0.3229887783527374
2512 Epoch 17/499: 78%|██████████| 125/160 [13:02<03:37, 6.20s/it]print_dice: 0.
5697658658027649, print_iou: 0.39837244153022766
2513 Epoch 17/499: 79%|██████████| 126/160 [13:08<03:31, 6.22s/it]print_dice: 0.
6085043549537659, print_iou: 0.4373023808002472
2514 Epoch 17/499: 79%|██████████| 127/160 [13:15<03:25, 6.24s/it]print_dice: 0.
5379864573478699, print_iou: 0.3679763972759247
2515 print_dice: 0.5093390345573425, print_iou: 0.3416866958141327
2516 Epoch 17/499: 81%|██████████| 129/160 [13:27<03:12, 6.21s/it]print_dice: 0.
4674150347709656, print_iou: 0.3049847483634949
2517 print_dice: 0.5949617624282837, print_iou: 0.4234488010406494
2518 Epoch 17/499: 82%|██████████| 131/160 [13:39<02:59, 6.19s/it]print_dice: 0.
5325666666030884, print_iou: 0.3629239499568939
2519 Epoch 17/499: 82%|██████████| 132/160 [13:46<02:54, 6.23s/it]print_dice: 0.
4846554100513458, print_iou: 0.31983181834220886
2520 Epoch 17/499: 83%|██████████| 133/160 [13:52<02:49, 6.28s/it]print_dice: 0.
5424054861068726, print_iou: 0.37212368845939636
2521 Epoch 17/499: 84%|██████████| 134/160 [13:58<02:43, 6.30s/it]print_dice: 0.
5128504633903503, print_iou: 0.3448546528816223
2522 Epoch 17/499: 84%|██████████| 135/160 [14:05<02:37, 6.31s/it]print_dice: 0.
4921664297580719, print_iou: 0.326406329870224
2523 Epoch 17/499: 85%|██████████| 136/160 [14:11<02:29, 6.25s/it]print_dice: 0.
5750300288200378, print_iou: 0.40353837609291077
2524 Epoch 17/499: 86%|██████████| 137/160 [14:17<02:23, 6.24s/it]print_dice: 0.
5162875652313232, print_iou: 0.34797006845474243
2525 print_dice: 0.5188260674476624, print_iou: 0.3502803146839142
2526 Epoch 17/499: 87%|██████████| 139/160 [14:30<02:11, 6.24s/it]print_dice: 0.
5250871181488037, print_iou: 0.3560122847557068
2527 Epoch 17/499: 88%|██████████| 140/160 [14:36<02:04, 6.24s/it]print_dice: 0.
4883299767971039, print_iou: 0.32304006814956665
2528 Epoch 17/499: 88%|██████████| 141/160 [14:42<01:58, 6.22s/it]print_dice: 0.
4730672240257263, print_iou: 0.309815376996994
2529 Epoch 17/499: 89%|██████████| 142/160 [14:48<01:51, 6.22s/it]print_dice: 0.
5216051936149597, print_iou: 0.3528185784816742
2530 Epoch 17/499: 89%|██████████| 143/160 [14:54<01:45, 6.22s/it]print_dice: 0.
46531736850738525, print_iou: 0.3032010495662689
2531 Epoch 17/499: 90%|██████████| 144/160 [15:01<01:40, 6.27s/it]print_dice: 0.
4905341565608978, print_iou: 0.324972003698349
2532 Epoch 17/499: 91%|██████████| 145/160 [15:07<01:34, 6.28s/it]print_dice: 0.
5368141531944275, print_iou: 0.3668803870677948
2533 Epoch 17/499: 91%|██████████| 146/160 [15:13<01:27, 6.24s/it]print_dice: 0.
4816751182079315, print_iou: 0.3172411322593689
2534 Epoch 17/499: 92%|██████████| 147/160 [15:19<01:21, 6.25s/it]print_dice: 0.
44023728370666504, print_iou: 0.28224632143974304
2535 Epoch 17/499: 92%|██████████| 148/160 [15:26<01:14, 6.23s/it]print_dice: 0.
5775973200798035, print_iou: 0.40607157349586487
2536 Epoch 17/499: 93%|██████████| 149/160 [15:32<01:08, 6.25s/it]print_dice: 0.
5503409504890442, print_iou: 0.3796347379684448
2537 Epoch 17/499: 94%|██████████| 150/160 [15:38<01:02, 6.25s/it]print_dice: 0.
5851811170578003, print_iou: 0.41360852122306824
2538 Epoch 17/499: 94%|██████████| 151/160 [15:44<00:56, 6.23s/it]print_dice: 0.
5477765202522278, print_iou: 0.3771985173225403
2539 print_dice: 0.43830588459968567, print_iou: 0.2806605100631714
2540 Epoch 17/499: 96%|██████████| 153/160 [15:57<00:43, 6.23s/it]print_dice: 0.

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2540 49724501371383667, print_iou: 0.33088892698287964
2541 Epoch 17/499: 96%|██████████| 154/160 [16:03<00:37, 6.22s/it]print_dice: 0.
5249453186988831, print_iou: 0.355881929397583
2542 print_dice: 0.5684845447540283, print_iou: 0.39712077379226685
2543 Epoch 17/499: 98%|██████████| 156/160 [16:16<00:24, 6.25s/it]print_dice: 0.
5494856238365173, print_iou: 0.3788212239742279
2544 Epoch 17/499: 98%|██████████| 157/160 [16:22<00:18, 6.20s/it]print_dice: 0.534484326839447
, print_iou: 0.3647073209285736
2545 Epoch 17/499: 99%|██████████| 158/160 [16:28<00:12, 6.18s/it]print_dice: 0.
4659919738769531, print_iou: 0.3037741482257843
2546 print_dice: 0.5633407831192017, print_iou: 0.39211857318878174
2547 Epoch 17/499: 100%|██████████| 160/160 [16:40<00:00, 6.19s/it]print_dice: 0.
49170854687690735, print_iou: 0.32600367069244385
2548 [159/160] eta: 0:00:06 time: 6.2204 data: 0.0005
2549 Total time: 0:16:41 (6.2592 s / it)
2550 Averaged stats: training_loss: -354.5871 (-354.5871) loss_mask: -354.5292 (-354.5292)
loss_dice: -0.0579 (-0.0579)
2551 Epoch 17/499: 100%|██████████| 160/160 [16:41<00:00, 6.26s/it]
2552 Net parameter norm: 1053.8333327779546
2553 Validating...
2554 Valid_dataloader len: 12
2555 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
sigmoid values: tensor([9.8690e-04, 1.0627e-03, 1.0743e-03, ..., 9.9991e-01, 9.9991e-01,
2556 9.9992e-01], grad_fn=<Unique2Backward0>)
2557 8%|██████████| 1/12 [00:08<01:32, 8.44s/it]print_dice: 0.5549491047859192, print_iou: 0.
38403427600860596
2558 [ 0/12] eta: 0:01:41 time: 8.4432 data: 4.2568
2559 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0014, 0.0015
, 0.0015, ..., 0.9999, 0.9999, 0.9999],
2560 grad_fn=<Unique2Backward0>)
2561 17%|██████████| 2/12 [00:12<01:00, 6.03s/it]print_dice: 0.6031323075294495, print_iou: 0.
4317747950553894
2562 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.3489e-04, 5.
6232e-04, 5.6427e-04, ..., 9.9999e-01, 9.9999e-01,
2563 9.9999e-01], grad_fn=<Unique2Backward0>)
2564 25%|██████████| 3/12 [00:17<00:46, 5.21s/it]print_dice: 0.5278446078300476, print_iou: 0.
3585522472858429
2565 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0012, 0.0012
, 0.0012, ..., 0.9999, 0.9999, 0.9999],
2566 grad_fn=<Unique2Backward0>)
2567 print_dice: 0.5220090746879578, print_iou: 0.35318827629089355
2568 33%|██████████| 4/12 [00:21<00:38, 4.78s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([5.1351e-04, 5.1688e-04, 5.2039e-04, ..., 9.9999e-01, 9.
9999e-01,
2569 9.9999e-01], grad_fn=<Unique2Backward0>)
2570 42%|██████████| 5/12 [00:25<00:31, 4.54s/it]print_dice: 0.5769189596176147, print_iou: 0.
405401349067688
2571 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.1396e-04, 3.
3587e-04, 3.3940e-04, ..., 9.9999e-01, 9.9999e-01,
2572 9.9999e-01], grad_fn=<Unique2Backward0>)
2573 50%|██████████| 6/12 [00:29<00:26, 4.37s/it]print_dice: 0.5087072849273682, print_iou: 0.
34111836552619934
2574 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.0677e-04, 5.
1294e-04, 5.1385e-04, ..., 9.9999e-01, 9.9999e-01,
2575 9.9999e-01], grad_fn=<Unique2Backward0>)
2576 58%|██████████| 7/12 [00:33<00:21, 4.35s/it]print_dice: 0.4434686303138733, print_iou: 0.
284908264875412
2577 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.1334e-04, 5.
1680e-04, 5.2023e-04, ..., 9.9999e-01, 9.9999e-01,
2578 9.9999e-01], grad_fn=<Unique2Backward0>)
2579 67%|██████████| 8/12 [00:37<00:17, 4.34s/it]print_dice: 0.5492070913314819, print_iou: 0.
3785565197467804
2580 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0015, 0.0015
, 0.0015, ..., 0.9999, 0.9999, 0.9999],
2581 grad_fn=<Unique2Backward0>)
2582 75%|██████████| 9/12 [00:42<00:12, 4.29s/it]print_dice: 0.5598576068878174, print_iou: 0.
3887515664100647
2583 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.1333e-04, 5.
1672e-04, 5.2020e-04, ..., 9.9999e-01, 9.9999e-01,

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2584          9.9999e-01], grad_fn=<Unique2Backward0>)
2585 83%|██████████| 10/12 [00:46<00:08, 4.20s/it]print_dice: 0.575729250907898, print_iou: 0.
4042273759841919
2586 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.1347e-04, 5.
1682e-04, 5.2021e-04, ..., 9.9999e-01, 9.9999e-01,
2587          9.9999e-01], grad_fn=<Unique2Backward0>)
2588 92%|██████████| 11/12 [00:50<00:04, 4.15s/it]print_dice: 0.6184433102607727, print_iou: 0
.44764238595962524
2589 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.1339e-04, 5.
1671e-04, 5.2021e-04, ..., 9.9999e-01, 9.9999e-01,
2590          9.9999e-01], grad_fn=<Unique2Backward0>)
2591 100%|██████████| 12/12 [00:54<00:00, 4.12s/it]print_dice: 0.5798416137695312, print_iou: 0
.40829363465309143
2592 [11/12] eta: 0:00:04 time: 4.5158 data: 0.3551
2593 Total time: 0:00:54 (4.5567 s / it)
2594 =====
2595 Averaged stats:
2596 100%|██████████| 12/12 [00:54<00:00, 4.56s/it]
2597 epoch: 18 learning rate: 1e-06
2598 Epoch 18/499: 1%|██████████| 1/160 [00:10<28:16, 10.67s/it]print_dice: 0.4963766932487488
, print_iou: 0.33012038469314575
2599 [ 0/160] eta: 0:28:26 time: 10.6684 data: 4.2206
2600 Epoch 18/499: 1%|██████████| 2/160 [00:16<21:01, 7.99s/it]print_dice: 0.5013131499290466
, print_iou: 0.33450156450271606
2601 Epoch 18/499: 2%|██████████| 3/160 [00:23<18:53, 7.22s/it]print_dice: 0.5568847060203552
, print_iou: 0.3858906328678131
2602 Epoch 18/499: 2%|██████████| 4/160 [00:29<17:39, 6.79s/it]print_dice: 0.563899040222168
, print_iou: 0.3926597535610199
2603 Epoch 18/499: 3%|██████████| 5/160 [00:35<17:00, 6.58s/it]print_dice: 0.5142301917076111
, print_iou: 0.3461035192012787
2604 Epoch 18/499: 4%|██████████| 6/160 [00:41<16:37, 6.48s/it]print_dice: 0.5500912070274353
, print_iou: 0.37939709424972534
2605 Epoch 18/499: 4%|██████████| 7/160 [00:47<16:13, 6.36s/it]print_dice: 0.5304677486419678
, print_iou: 0.36097729206085205
2606 print_dice: 0.5687437057495117, print_iou: 0.3973737359046936
2607 Epoch 18/499: 6%|██████████| 9/160 [01:00<15:56, 6.33s/it]print_dice: 0.47486168146133423
, print_iou: 0.31135645508766174
2608 Epoch 18/499: 6%|██████████| 10/160 [01:06<15:58, 6.39s/it]print_dice: 0.
44636502861976624, print_iou: 0.2873036563396454
2609 print_dice: 0.561290979385376, print_iou: 0.39013516902923584
2610 Epoch 18/499: 8%|██████████| 12/160 [01:19<15:39, 6.34s/it]print_dice: 0.4775278866291046
, print_iou: 0.31365296244621277
2611 Epoch 18/499: 8%|██████████| 13/160 [01:25<15:23, 6.29s/it]print_dice: 0.498301237821579
, print_iou: 0.33182501792907715
2612 Epoch 18/499: 9%|██████████| 14/160 [01:32<15:21, 6.31s/it]print_dice: 0.5755637884140015
, print_iou: 0.4040642976760864
2613 Epoch 18/499: 9%|██████████| 15/160 [01:38<15:10, 6.28s/it]print_dice: 0.5513450503349304
, print_iou: 0.3805910050868988
2614 print_dice: 0.3977130651473999, print_iou: 0.24821589887142181
2615 Epoch 18/499: 11%|██████████| 17/160 [01:50<14:57, 6.28s/it]print_dice: 0.5727475881576538
, print_iou: 0.4012938141822815
2616 Epoch 18/499: 11%|██████████| 18/160 [01:57<14:49, 6.27s/it]print_dice: 0.4851614236831665
, print_iou: 0.32027268409729004
2617 Epoch 18/499: 12%|██████████| 19/160 [02:03<14:37, 6.22s/it]print_dice: 0.5701873302459717
, print_iou: 0.3987846374511719
2618 Epoch 18/499: 12%|██████████| 20/160 [02:09<14:34, 6.25s/it]print_dice: 0.
45324835181236267, print_iou: 0.2930324077606201
2619 Epoch 18/499: 13%|██████████| 21/160 [02:15<14:26, 6.23s/it]print_dice: 0.4892781972885132
, print_iou: 0.3238704800605774
2620 Epoch 18/499: 14%|██████████| 22/160 [02:21<14:18, 6.22s/it]print_dice: 0.5219405293464661
, print_iou: 0.35312554240226746
2621 Epoch 18/499: 14%|██████████| 23/160 [02:28<14:12, 6.22s/it]print_dice: 0.5165354013442993
, print_iou: 0.34819531440734863
2622 Epoch 18/499: 15%|██████████| 24/160 [02:34<14:07, 6.23s/it]print_dice: 0.58413165807724
, print_iou: 0.41256070137023926
2623 Epoch 18/499: 16%|██████████| 25/160 [02:40<14:00, 6.23s/it]print_dice: 0.5530130863189697
, print_iou: 0.3821825087070465
2624 Epoch 18/499: 16%|██████████| 26/160 [02:46<13:50, 6.20s/it]print_dice: 0.
46682193875312805, print_iou: 0.3044799268245697

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2625 Epoch 18/499: 17%|██████| 27/160 [02:52<13:44, 6.20s/it]print_dice: 0.5789523720741272
, print_iou: 0.4074123501777649
2626 Epoch 18/499: 18%|██████| 28/160 [02:59<13:38, 6.20s/it]print_dice: 0.
46028563380241394, print_iou: 0.2989422380924225
2627 Epoch 18/499: 18%|██████| 29/160 [03:05<13:34, 6.22s/it]print_dice: 0.5145671963691711
, print_iou: 0.3464089035987854
2628 print_dice: 0.5538385510444641, print_iou: 0.3829714357852936
2629 Epoch 18/499: 19%|██████| 31/160 [03:17<13:22, 6.22s/it]print_dice: 0.4756869077682495
, print_iou: 0.3120664060115814
2630 Epoch 18/499: 20%|██████| 32/160 [03:24<13:15, 6.21s/it]print_dice: 0.
48068365454673767, print_iou: 0.3163815438747406
2631 print_dice: 0.5518730878829956, print_iou: 0.38109439611434937
2632 Epoch 18/499: 21%|██████| 34/160 [03:36<13:03, 6.22s/it]print_dice: 0.5686917901039124
, print_iou: 0.3973230719566345
2633 Epoch 18/499: 22%|██████| 35/160 [03:42<12:56, 6.21s/it]print_dice: 0.6232695579528809
, print_iou: 0.45271721482276917
2634 print_dice: 0.49737638235092163, print_iou: 0.3310053050518036
2635 Epoch 18/499: 23%|██████| 37/160 [03:55<12:40, 6.18s/it]print_dice: 0.453332781791687
, print_iou: 0.29310300946235657
2636 Epoch 18/499: 24%|██████| 38/160 [04:01<12:31, 6.16s/it]print_dice: 0.4928123950958252
, print_iou: 0.3269748091697693
2637 Epoch 18/499: 24%|██████| 39/160 [04:07<12:29, 6.20s/it]print_dice: 0.583877682685852
, print_iou: 0.41230741143226624
2638 print_dice: 0.6092947125434875, print_iou: 0.43811920285224915
2639 Epoch 18/499: 26%|██████| 41/160 [04:20<12:25, 6.27s/it]print_dice: 0.5107159614562988
, print_iou: 0.34292715787887573
2640 Epoch 18/499: 26%|██████| 42/160 [04:26<12:17, 6.25s/it]print_dice: 0.5048943758010864
, print_iou: 0.3376981019973755
2641 Epoch 18/499: 27%|██████| 43/160 [04:32<12:10, 6.24s/it]print_dice: 0.4915148615837097
, print_iou: 0.32583341002464294
2642 Epoch 18/499: 28%|██████| 44/160 [04:38<12:01, 6.22s/it]print_dice: 0.5450152158737183
, print_iou: 0.374584823846817
2643 Epoch 18/499: 28%|██████| 45/160 [04:44<11:54, 6.21s/it]print_dice: 0.5405300259590149
, print_iou: 0.37036049365997314
2644 Epoch 18/499: 29%|██████| 46/160 [04:51<11:45, 6.19s/it]print_dice: 0.5557249188423157
, print_iou: 0.384777843475342
2645 Epoch 18/499: 29%|██████| 47/160 [04:57<11:36, 6.17s/it]print_dice: 0.5538213849067688
, print_iou: 0.38295504450798035
2646 Epoch 18/499: 30%|██████| 48/160 [05:03<11:37, 6.23s/it]print_dice: 0.5071126222610474
, print_iou: 0.3396857678890228
2647 Epoch 18/499: 31%|██████| 49/160 [05:09<11:32, 6.24s/it]print_dice: 0.4641183316707611
, print_iou: 0.3021836578845978
2648 Epoch 18/499: 31%|██████| 50/160 [05:15<11:23, 6.21s/it]print_dice: 0.5161570906639099
, print_iou: 0.34785157442092896
2649 Epoch 18/499: 32%|██████| 51/160 [05:22<11:17, 6.21s/it]print_dice: 0.5378893613815308
, print_iou: 0.367885559797287
2650 Epoch 18/499: 32%|██████| 52/160 [05:28<11:13, 6.23s/it]print_dice: 0.4699535071849823
, print_iou: 0.30714982748031616
2651 Epoch 18/499: 33%|██████| 53/160 [05:34<11:05, 6.22s/it]print_dice: 0.5377447605133057
, print_iou: 0.36775028705596924
2652 print_dice: 0.6162663102149963, print_iou: 0.4453648626804352
2653 Epoch 18/499: 34%|██████| 55/160 [05:47<10:54, 6.24s/it]print_dice: 0.
47369691729545593, print_iou: 0.3103557229042053
2654 print_dice: 0.4298369884490967, print_iou: 0.2737530767917633
2655 Epoch 18/499: 36%|██████| 57/160 [05:59<10:40, 6.22s/it]print_dice: 0.5901269912719727
, print_iou: 0.4185674488544464
2656 Epoch 18/499: 36%|██████| 58/160 [06:05<10:33, 6.22s/it]print_dice: 0.5094161629676819
, print_iou: 0.341756135225296
2657 print_dice: 0.5046275854110718, print_iou: 0.3374594449996948
2658 Epoch 18/499: 38%|██████| 60/160 [06:17<10:18, 6.18s/it]print_dice: 0.5070055723190308
, print_iou: 0.3395897150039673
2659 Epoch 18/499: 38%|██████| 61/160 [06:24<10:13, 6.19s/it]print_dice: 0.5427168607711792
, print_iou: 0.3724169135093689
2660 Epoch 18/499: 39%|██████| 62/160 [06:30<10:10, 6.23s/it]print_dice: 0.5394617319107056
, print_iou: 0.3693581521511078
2661 Epoch 18/499: 39%|██████| 63/160 [06:36<10:09, 6.28s/it]print_dice: 0.5429993271827698
, print_iou: 0.37268295884132385
2662 print_dice: 0.5336328148841858, print_iou: 0.3639148771762848
2663 Epoch 18/499: 41%|██████| 65/160 [06:49<09:52, 6.24s/it]print_dice: 0.5406343340873718

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2663 , print_iou: 0.3704584538936615
2664 print_dice: 0.6029891967773438, print_iou: 0.43162816762924194
2665 Epoch 18/499: 42%|██████| 67/160 [07:01<09:35, 6.19s/it]print_dice: 0.
44307565689086914, print_iou: 0.2845839262008667
2666 Epoch 18/499: 42%|██████| 68/160 [07:07<09:29, 6.19s/it]print_dice: 0.5161794424057007
, print_iou: 0.3478718400001526
2667 Epoch 18/499: 43%|██████| 69/160 [07:13<09:22, 6.18s/it]print_dice: 0.5135168433189392
, print_iou: 0.3454575538635254
2668 Epoch 18/499: 44%|██████| 70/160 [07:20<09:16, 6.18s/it]print_dice: 0.5452181100845337
, print_iou: 0.3747765123844147
2669 Epoch 18/499: 44%|██████| 71/160 [07:26<09:07, 6.15s/it]print_dice: 0.4556809663772583
, print_iou: 0.2950691878795624
2670 print_dice: 0.5719915628433228, print_iou: 0.4005519449710846
2671 Epoch 18/499: 46%|██████| 73/160 [07:38<09:00, 6.21s/it]print_dice: 0.5145810842514038
, print_iou: 0.3464215397834778
2672 Epoch 18/499: 46%|██████| 74/160 [07:44<08:52, 6.19s/it]print_dice: 0.5487565994262695
, print_iou: 0.3781285583972931
2673 print_dice: 0.44542327523231506, print_iou: 0.28652381896972656
2674 Epoch 18/499: 48%|██████| 76/160 [07:57<08:44, 6.24s/it]print_dice: 0.5764304995536804
, print_iou: 0.4049190878868103
2675 Epoch 18/499: 48%|██████| 77/160 [08:03<08:38, 6.25s/it]print_dice: 0.5294116735458374
, print_iou: 0.3599998950958252
2676 print_dice: 0.6131565570831299, print_iou: 0.4421238303184509
2677 Epoch 18/499: 49%|██████| 79/160 [08:15<08:21, 6.19s/it]print_dice: 0.5905798673629761
, print_iou: 0.4190232753753662
2678 print_dice: 0.44701528549194336, print_iou: 0.28784266114234924
2679 Epoch 18/499: 51%|██████| 81/160 [08:28<08:13, 6.24s/it]print_dice: 0.6358946561813354
, print_iou: 0.46616238355636597
2680 Epoch 18/499: 51%|██████| 82/160 [08:34<08:05, 6.22s/it]print_dice: 0.4240949749946594
, print_iou: 0.2691120207309723
2681 Epoch 18/499: 52%|██████| 83/160 [08:40<07:59, 6.22s/it]print_dice: 0.5267142057418823
, print_iou: 0.35750988125801086
2682 Epoch 18/499: 52%|██████| 84/160 [08:47<07:50, 6.20s/it]print_dice: 0.4833739697933197
, print_iou: 0.3187166452407837
2683 Epoch 18/499: 53%|██████| 85/160 [08:53<07:45, 6.20s/it]print_dice: 0.5263568162918091
, print_iou: 0.3571806252002716
2684 print_dice: 0.5135416388511658, print_iou: 0.3454799950122833
2685 Epoch 18/499: 54%|██████| 87/160 [09:06<07:38, 6.29s/it]print_dice: 0.5351558923721313
, print_iou: 0.36533302068710327
2686 Epoch 18/499: 55%|██████| 88/160 [09:12<07:35, 6.32s/it]print_dice: 0.4947088062763214
, print_iou: 0.32864660024642944
2687 Epoch 18/499: 56%|██████| 89/160 [09:18<07:26, 6.29s/it]print_dice: 0.5464915633201599
, print_iou: 0.37598100304603577
2688 Epoch 18/499: 56%|██████| 90/160 [09:24<07:19, 6.28s/it]print_dice: 0.5487167239189148
, print_iou: 0.37809067964553833
2689 Epoch 18/499: 57%|██████| 91/160 [09:31<07:15, 6.31s/it]print_dice: 0.5261890292167664
, print_iou: 0.3570261299610138
2690 Epoch 18/499: 57%|██████| 92/160 [09:37<07:06, 6.28s/it]print_dice: 0.5626922845840454
, print_iou: 0.39149048924446106
2691 Epoch 18/499: 58%|██████| 93/160 [09:43<06:58, 6.25s/it]print_dice: 0.55756676197052
, print_iou: 0.38654598593711853
2692 Epoch 18/499: 59%|██████| 94/160 [09:49<06:52, 6.25s/it]print_dice: 0.4986421763896942
, print_iou: 0.33212748169898987
2693 Epoch 18/499: 59%|██████| 95/160 [09:56<06:44, 6.23s/it]print_dice: 0.5511576533317566
, print_iou: 0.38041242957115173
2694 Epoch 18/499: 60%|██████| 96/160 [10:02<06:38, 6.22s/it]print_dice: 0.562126874923706
, print_iou: 0.39094334840774536
2695 print_dice: 0.5452036261558533, print_iou: 0.3747628331184387
2696 Epoch 18/499: 61%|██████| 98/160 [10:14<06:23, 6.19s/it]print_dice: 0.4517402946949005
, print_iou: 0.2917729616165161
2697 Epoch 18/499: 62%|██████| 99/160 [10:20<06:16, 6.17s/it]print_dice: 0.5600780844688416
, print_iou: 0.3889642059803009
2698 Epoch 18/499: 62%|██████| 100/160 [10:26<06:11, 6.19s/it]print_dice: 0.
5489435195922852, print_iou: 0.3783060908317566
2699 Epoch 18/499: 63%|██████| 101/160 [10:33<06:07, 6.23s/it]print_dice: 0.
4971911907196045, print_iou: 0.3308412730693817
2700 [100/160] eta: 0:06:16 time: 6.2375 data: 0.0006
2701 Epoch 18/499: 64%|██████| 102/160 [10:39<06:01, 6.23s/it]print_dice: 0.
5369986891746521, print_iou: 0.3670527935028076

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2702 print_dice: 0.5183972716331482, print_iou: 0.34988948702812195
2703 Epoch 18/499: 65%|███████| 104/160 [10:51<05:47, 6.21s/it]print_dice: 0.
5269732475280762, print_iou: 0.3577485978603363
2704 Epoch 18/499: 66%|███████| 105/160 [10:58<05:41, 6.20s/it]print_dice: 0.61203932762146
, print_iou: 0.4409630000591278
2705 Epoch 18/499: 66%|███████| 106/160 [11:04<05:34, 6.19s/it]print_dice: 0.
5227766633033752, print_iou: 0.35389143228530884
2706 Epoch 18/499: 67%|███████| 107/160 [11:10<05:30, 6.24s/it]print_dice: 0.
5037001967430115, print_iou: 0.33663052320480347
2707 Epoch 18/499: 68%|███████| 108/160 [11:17<05:26, 6.28s/it]print_dice: 0.
5514238476753235, print_iou: 0.3806660771369934
2708 print_dice: 0.5054803490638733, print_iou: 0.3382226228713989
2709 Epoch 18/499: 69%|███████| 110/160 [11:29<05:14, 6.30s/it]print_dice: 0.
5502603650093079, print_iou: 0.3795580565929413
2710 print_dice: 0.4957820773124695, print_iou: 0.32959458231925964
2711 Epoch 18/499: 70%|███████| 112/160 [11:42<05:00, 6.26s/it]print_dice: 0.
5311326384544373, print_iou: 0.3615933358669281
2712 Epoch 18/499: 71%|███████| 113/160 [11:48<04:53, 6.25s/it]print_dice: 0.463822603225708
, print_iou: 0.3019329905509949
2713 Epoch 18/499: 71%|███████| 114/160 [11:54<04:47, 6.24s/it]print_dice: 0.
5341346859931946, print_iou: 0.3643818497657776
2714 Epoch 18/499: 72%|███████| 115/160 [12:00<04:40, 6.24s/it]print_dice: 0.551622211933136
, print_iou: 0.3808552026748657
2715 Epoch 18/499: 72%|███████| 116/160 [12:06<04:34, 6.24s/it]print_dice: 0.
4968031942844391, print_iou: 0.33049777150154114
2716 Epoch 18/499: 73%|███████| 117/160 [12:13<04:27, 6.23s/it]print_dice: 0.
5553702116012573, print_iou: 0.3844377398490906
2717 Epoch 18/499: 74%|███████| 118/160 [12:19<04:21, 6.23s/it]print_dice: 0.
5524889230728149, print_iou: 0.38168200850486755
2718 Epoch 18/499: 74%|███████| 119/160 [12:25<04:17, 6.28s/it]print_dice: 0.
5185558795928955, print_iou: 0.35003405809402466
2719 Epoch 18/499: 75%|███████| 120/160 [12:32<04:13, 6.33s/it]print_dice: 0.
6220507025718689, print_iou: 0.4514321982860565
2720 Epoch 18/499: 76%|███████| 121/160 [12:38<04:06, 6.33s/it]print_dice: 0.
5165010094642639, print_iou: 0.34816405177116394
2721 Epoch 18/499: 76%|███████| 122/160 [12:44<04:00, 6.32s/it]print_dice: 0.
49464038014411926, print_iou: 0.3285861909389496
2722 Epoch 18/499: 77%|███████| 123/160 [12:51<03:52, 6.29s/it]print_dice: 0.
5193737745285034, print_iou: 0.35077980160713196
2723 print_dice: 0.5696338415145874, print_iou: 0.39824339747428894
2724 Epoch 18/499: 78%|███████| 125/160 [13:03<03:40, 6.31s/it]print_dice: 0.
5291021466255188, print_iou: 0.35971373319625854
2725 print_dice: 0.48508018255233765, print_iou: 0.32020190358161926
2726 Epoch 18/499: 79%|███████| 127/160 [13:16<03:25, 6.24s/it]print_dice: 0.
5239437222480774, print_iou: 0.35496190190315247
2727 print_dice: 0.5527483820915222, print_iou: 0.3819296658039093
2728 Epoch 18/499: 81%|███████| 129/160 [13:28<03:14, 6.27s/it]print_dice: 0.
5423259139060974, print_iou: 0.37204882502555847
2729 Epoch 18/499: 81%|███████| 130/160 [13:35<03:09, 6.31s/it]print_dice: 0.
5961524844169617, print_iou: 0.4246561527252197
2730 Epoch 18/499: 82%|███████| 131/160 [13:41<03:02, 6.30s/it]print_dice: 0.
5926932096481323, print_iou: 0.421154260635376
2731 Epoch 18/499: 82%|███████| 132/160 [13:47<02:55, 6.27s/it]print_dice: 0.
5430490970611572, print_iou: 0.3727298378944397
2732 Epoch 18/499: 83%|███████| 133/160 [13:53<02:48, 6.25s/it]print_dice: 0.
6023658514022827, print_iou: 0.43098965287208557
2733 Epoch 18/499: 84%|███████| 134/160 [13:59<02:42, 6.23s/it]print_dice: 0.
5263210535049438, print_iou: 0.3571476936340332
2734 print_dice: 0.5494498014450073, print_iou: 0.3787871301174164
2735 Epoch 18/499: 85%|███████| 136/160 [14:12<02:29, 6.21s/it]print_dice: 0.450735867023468
, print_iou: 0.2909354567527771
2736 Epoch 18/499: 86%|███████| 137/160 [14:18<02:23, 6.23s/it]print_dice: 0.
5328649282455444, print_iou: 0.3632010221481323
2737 Epoch 18/499: 86%|███████| 138/160 [14:24<02:18, 6.27s/it]print_dice: 0.
4702381491661072, print_iou: 0.30739304423332214
2738 print_dice: 0.5627701282501221, print_iou: 0.39156582951545715
2739 Epoch 18/499: 88%|███████| 140/160 [14:37<02:05, 6.28s/it]print_dice: 0.
5098470449447632, print_iou: 0.34214410185813904
2740 Epoch 18/499: 88%|███████| 141/160 [14:43<01:58, 6.24s/it]print_dice: 0.

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2740 48811647295951843, print_iou: 0.3228532373905182
2741 Epoch 18/499: 89%|██████████| 142/160 [14:49<01:52, 6.23s/it]print_dice: 0.
5118559002876282, print_iou: 0.3439558744430542
2742 Epoch 18/499: 89%|██████████| 143/160 [14:56<01:46, 6.25s/it]print_dice: 0.
5033296942710876, print_iou: 0.3362996280193329
2743 print_dice: 0.5486704707145691, print_iou: 0.37804681062698364
2744 Epoch 18/499: 91%|██████████| 145/160 [15:08<01:33, 6.22s/it]print_dice: 0.
5096957087516785, print_iou: 0.3420078158378601
2745 Epoch 18/499: 91%|██████████| 146/160 [15:14<01:27, 6.24s/it]print_dice: 0.
5659302473068237, print_iou: 0.3946322798728943
2746 Epoch 18/499: 92%|██████████| 147/160 [15:21<01:21, 6.28s/it]print_dice: 0.
43670639395713806, print_iou: 0.279350221157074
2747 print_dice: 0.5539054870605469, print_iou: 0.38303548097610474
2748 Epoch 18/499: 93%|██████████| 149/160 [15:33<01:09, 6.30s/it]print_dice: 0.
5431027412414551, print_iou: 0.3727804124355316
2749 print_dice: 0.47830480337142944, print_iou: 0.31432366371154785
2750 Epoch 18/499: 94%|██████████| 151/160 [15:46<00:56, 6.25s/it]print_dice: 0.
5013960003852844, print_iou: 0.3345753848552704
2751 Epoch 18/499: 95%|██████████| 152/160 [15:52<00:50, 6.26s/it]print_dice: 0.
5048305988311768, print_iou: 0.3376410901546478
2752 print_dice: 0.5108389258384705, print_iou: 0.34303805232048035
2753 Epoch 18/499: 96%|██████████| 154/160 [16:04<00:37, 6.21s/it]print_dice: 0.
5772402882575989, print_iou: 0.40571874380111694
2754 print_dice: 0.5186651945114136, print_iou: 0.35013365745544434
2755 Epoch 18/499: 98%|██████████| 156/160 [16:17<00:24, 6.22s/it]print_dice: 0.
5198566913604736, print_iou: 0.3512205183506012
2756 Epoch 18/499: 98%|██████████| 157/160 [16:23<00:18, 6.23s/it]print_dice: 0.469418466091156
, print_iou: 0.30669286847114563
2757 print_dice: 0.5776198506355286, print_iou: 0.4060938358306885
2758 Epoch 18/499: 99%|██████████| 159/160 [16:36<00:06, 6.24s/it]print_dice: 0.
4578917920589447, print_iou: 0.2969258427619934
2759 Epoch 18/499: 100%|██████████| 160/160 [16:42<00:00, 6.21s/it]print_dice: 0.
45822036266326904, print_iou: 0.2972022593021393
2760 [159/160] eta: 0:00:06 time: 6.2340 data: 0.0029
2761 Epoch 18/499: 100%|██████████| 160/160 [16:43<00:00, 6.27s/it]
2762 Total time: 0:16:43 (6.2691 s / it)
2763 Averaged stats: training_loss: -490.3607 (-490.3607) loss_mask: -490.3961 (-490.3961)
loss_dice: 0.0354 (0.0354)
2764 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8331994670443
2765 Validating...
2766 Valid_dataloader len: 12
2767 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.8998e-04, 4.
1216e-04, 4.1223e-04, ..., 1.0000e+00, 1.0000e+00,
2768 1.0000e+00], grad_fn=<Unique2Backward0>)
2769 8%|██████████| 1/12 [00:09<01:41, 9.24s/it]print_dice: 0.5125337243080139, print_iou: 0.
34456828236579895
2770 [ 0/12] eta: 0:01:50 time: 9.2381 data: 4.9874
2771 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([4.6211e-04, 4.
7346e-04, 4.7376e-04, ..., 9.9999e-01, 9.9999e-01,
2772 9.9999e-01], grad_fn=<Unique2Backward0>)
2773 17%|██████████| 2/12 [00:13<01:03, 6.34s/it]print_dice: 0.5866515040397644, print_iou: 0.
41507914662361145
2774 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.5260e-04, 6.
8823e-04, 7.1797e-04, ..., 9.9992e-01, 9.9992e-01,
2775 9.9992e-01], grad_fn=<Unique2Backward0>)
2776 print_dice: 0.48867473006248474, print_iou: 0.32334187626838684
2777 25%|██████████| 3/12 [00:17<00:48, 5.38s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([4.6203e-04, 4.7335e-04, 4.7366e-04, ..., 9.9999e-01, 9.
9999e-01,
2778 9.9999e-01], grad_fn=<Unique2Backward0>)
2779 33%|██████████| 4/12 [00:21<00:39, 4.89s/it]print_dice: 0.5091162323951721, print_iou: 0.
34148621559143066
2780 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([4.6208e-04, 4.
7338e-04, 4.7374e-04, ..., 9.9999e-01, 9.9999e-01,
2781 9.9999e-01], grad_fn=<Unique2Backward0>)
2782 42%|██████████| 5/12 [00:26<00:32, 4.60s/it]print_dice: 0.541347861289978, print_iou: 0.
3711288571357727
2783 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.6986e-04, 2.
8365e-04, 2.9524e-04, ..., 1.0000e+00, 1.0000e+00,

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2784         1.0000e+00], grad_fn=<Unique2Backward0>)
2785 print_dice: 0.466148552787781, print_iou: 0.30390724539756775
2786 50%|███████| 6/12 [00:30<00:26, 4.44s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0011, 0.0012, 0.0012, ..., 1.0000, 1.0000, 1.0000],
2787         grad_fn=<Unique2Backward0>)
2788 58%|███████| 7/12 [00:34<00:21, 4.33s/it]print_dice: 0.42104387283325195, print_iou: 0
.2666596472263336
2789 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([4.6185e-04, 4.
7317e-04, 4.7369e-04, ..., 9.9999e-01, 9.9999e-01,
2790         9.9999e-01], grad_fn=<Unique2Backward0>)
2791 print_dice: 0.5202646851539612, print_iou: 0.3515930473804474
2792 67%|███████| 8/12 [00:38<00:17, 4.27s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0010, 0.0011, 0.0012, ..., 0.9999, 0.9999, 0.9999],
2793         grad_fn=<Unique2Backward0>)
2794 75%|███████| 9/12 [00:42<00:12, 4.25s/it]print_dice: 0.519703209400177, print_iou: 0.
35108038783073425
2795 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([4.6192e-04, 4.
7325e-04, 4.7354e-04, ..., 9.9999e-01, 9.9999e-01,
2796         9.9999e-01], grad_fn=<Unique2Backward0>)
2797 print_dice: 0.536274790763855, print_iou: 0.366376668214798
2798 83%|███████| 10/12 [00:46<00:08, 4.25s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([4.6203e-04, 4.7337e-04, 4.7379e-04, ..., 9.9999e-01, 9.
9999e-01,
2799         9.9999e-01], grad_fn=<Unique2Backward0>)
2800 92%|███████| 11/12 [00:50<00:04, 4.22s/it]print_dice: 0.5842488408088684, print_iou: 0
.4126776456832886
2801 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0010, 0.0011
, 0.0012, ..., 0.9999, 0.9999, 0.9999],
2802         grad_fn=<Unique2Backward0>)
2803 100%|███████| 12/12 [00:55<00:00, 4.18s/it]print_dice: 0.5383321642875671, print_iou: 0
.3682999610900879
2804 [11/12] eta: 0:00:04 time: 4.5895 data: 0.4160
2805 100%|███████| 12/12 [00:55<00:00, 4.63s/it]
2806 Total time: 0:00:55 (4.6293 s / it)
2807 =====
2808 Averaged stats:
2809 Epoch 19/499: 0%|███████| 0/160 [00:00<?, ?it/s]epoch: 19 learning rate: 1e-06
2810 Epoch 19/499: 1%|███████| 1/160 [00:10<28:24, 10.72s/it]print_dice: 0.5236263871192932
, print_iou: 0.3546706438064575
2811 [ 0/160] eta: 0:28:35 time: 10.7219 data: 4.3818
2812 Epoch 19/499: 1%|███████| 2/160 [00:16<21:09, 8.04s/it]print_dice: 0.45927694439888
, print_iou: 0.2980917990207672
2813 Epoch 19/499: 2%|███████| 3/160 [00:23<18:49, 7.19s/it]print_dice: 0.5195584297180176
, print_iou: 0.350948303937912
2814 Epoch 19/499: 2%|███████| 4/160 [00:29<17:37, 6.78s/it]print_dice: 0.4237918257713318
, print_iou: 0.26886793971061707
2815 print_dice: 0.5297319889068604, print_iou: 0.36029621958732605
2816 Epoch 19/499: 4%|███████| 6/160 [00:41<16:37, 6.48s/it]print_dice: 0.5836535692214966
, print_iou: 0.4120839238166809
2817 Epoch 19/499: 4%|███████| 7/160 [00:47<16:13, 6.36s/it]print_dice: 0.4831438660621643
, print_iou: 0.3185166120529175
2818 Epoch 19/499: 5%|███████| 8/160 [00:54<15:58, 6.30s/it]print_dice: 0.575016438961029
, print_iou: 0.4035249650478363
2819 Epoch 19/499: 6%|███████| 9/160 [01:00<15:58, 6.35s/it]print_dice: 0.49241113662719727
, print_iou: 0.3266216218471527
2820 Epoch 19/499: 6%|███████| 10/160 [01:06<15:55, 6.37s/it]print_dice: 0.490418016910553
, print_iou: 0.3248700797557831
2821 Epoch 19/499: 7%|███████| 11/160 [01:13<15:39, 6.31s/it]print_dice: 0.5029285550117493
, print_iou: 0.3359415829181671
2822 Epoch 19/499: 8%|███████| 12/160 [01:19<15:27, 6.26s/it]print_dice: 0.
39855650067329407, print_iou: 0.2488732933998108
2823 Epoch 19/499: 8%|███████| 13/160 [01:25<15:22, 6.27s/it]print_dice: 0.5078882575035095
, print_iou: 0.3403821587562561
2824 print_dice: 0.5448082089424133, print_iou: 0.37438929080963135
2825 Epoch 19/499: 9%|███████| 15/160 [01:38<15:17, 6.33s/it]print_dice: 0.5043125152587891
, print_iou: 0.33717775344848633
2826 Epoch 19/499: 10%|███████| 16/160 [01:44<15:08, 6.31s/it]print_dice: 0.5286261439323425
, print_iou: 0.35927385091781616
2827 print_dice: 0.4852471351623535, print_iou: 0.320347398519516

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2828 Epoch 19/499: 11%|███| 18/160 [01:57<14:59, 6.33s/it]print_dice: 0.4870240092277527
, print_iou: 0.32189804315567017
2829 Epoch 19/499: 12%|███| 19/160 [02:03<14:51, 6.32s/it]print_dice: 0.5385797619819641
, print_iou: 0.3685317635536194
2830 Epoch 19/499: 12%|███| 20/160 [02:09<14:35, 6.25s/it]print_dice: 0.5239514112472534
, print_iou: 0.3549689054489136
2831 Epoch 19/499: 13%|███| 21/160 [02:16<14:32, 6.28s/it]print_dice: 0.5074353814125061
, print_iou: 0.339975506067276
2832 Epoch 19/499: 14%|███| 22/160 [02:22<14:25, 6.27s/it]print_dice: 0.5131179094314575
, print_iou: 0.3450965881347656
2833 Epoch 19/499: 14%|███| 23/160 [02:28<14:12, 6.22s/it]print_dice: 0.5205322504043579
, print_iou: 0.35183748602867126
2834 Epoch 19/499: 15%|███| 24/160 [02:34<14:05, 6.22s/it]print_dice: 0.4735315442085266
, print_iou: 0.31021377444267273
2835 Epoch 19/499: 16%|███| 25/160 [02:40<14:02, 6.24s/it]print_dice: 0.5702359080314636
, print_iou: 0.39883220195770264
2836 Epoch 19/499: 16%|███| 26/160 [02:47<13:55, 6.24s/it]print_dice: 0.6174866557121277
, print_iou: 0.44664064049720764
2837 Epoch 19/499: 17%|███| 27/160 [02:53<13:48, 6.23s/it]print_dice: 0.5173283219337463
, print_iou: 0.34891629219055176
2838 Epoch 19/499: 18%|███| 28/160 [02:59<13:42, 6.23s/it]print_dice: 0.6014645099639893
, print_iou: 0.43006742000579834
2839 print_dice: 0.555895209312439, print_iou: 0.3849410116672516
2840 Epoch 19/499: 19%|███| 30/160 [03:11<13:29, 6.22s/it]print_dice: 0.4643522799015045
, print_iou: 0.3023820221424103
2841 print_dice: 0.5934601426124573, print_iou: 0.42192915081977844
2842 Epoch 19/499: 20%|███| 32/160 [03:24<13:23, 6.28s/it]print_dice: 0.5294845700263977
, print_iou: 0.36006733775138855
2843 Epoch 19/499: 21%|███| 33/160 [03:30<13:12, 6.24s/it]print_dice: 0.5762606263160706
, print_iou: 0.4047514498233795
2844 Epoch 19/499: 21%|███| 34/160 [03:36<13:03, 6.22s/it]print_dice: 0.6258659362792969
, print_iou: 0.4554620385169983
2845 Epoch 19/499: 22%|███| 35/160 [03:43<13:02, 6.26s/it]print_dice: 0.4914051294326782
, print_iou: 0.32573696970939636
2846 Epoch 19/499: 22%|███| 36/160 [03:49<12:52, 6.23s/it]print_dice: 0.466855525970459
, print_iou: 0.3045085072517395
2847 print_dice: 0.5232117772102356, print_iou: 0.35429033637046814
2848 Epoch 19/499: 24%|███| 38/160 [04:02<12:42, 6.25s/it]print_dice: 0.
47922810912132263, print_iou: 0.3151216208934784
2849 print_dice: 0.5465697050094604, print_iou: 0.376054972410202
2850 Epoch 19/499: 25%|███| 40/160 [04:14<12:23, 6.20s/it]print_dice: 0.5126020312309265
, print_iou: 0.34463006258010864
2851 Epoch 19/499: 26%|███| 41/160 [04:20<12:22, 6.24s/it]print_dice: 0.4942989647388458
, print_iou: 0.32828494906425476
2852 Epoch 19/499: 26%|███| 42/160 [04:26<12:12, 6.21s/it]print_dice: 0.4711042642593384
, print_iou: 0.30813369154930115
2853 Epoch 19/499: 27%|███| 43/160 [04:32<12:06, 6.21s/it]print_dice: 0.
46886587142944336, print_iou: 0.30622127652168274
2854 Epoch 19/499: 28%|███| 44/160 [04:39<12:01, 6.22s/it]print_dice: 0.5406879186630249
, print_iou: 0.3705087900161743
2855 Epoch 19/499: 28%|███| 45/160 [04:45<11:51, 6.19s/it]print_dice: 0.5669623613357544
, print_iou: 0.39563676714897156
2856 Epoch 19/499: 29%|███| 46/160 [04:51<11:46, 6.20s/it]print_dice: 0.5316981673240662
, print_iou: 0.362117737531662
2857 print_dice: 0.48144492506980896, print_iou: 0.31704145669937134
2858 Epoch 19/499: 30%|███| 48/160 [05:04<11:36, 6.22s/it]print_dice: 0.4301474690437317
, print_iou: 0.2740050256252289
2859 Epoch 19/499: 31%|███| 49/160 [05:10<11:28, 6.21s/it]print_dice: 0.5657230615615845
, print_iou: 0.39443081617355347
2860 Epoch 19/499: 31%|███| 50/160 [05:16<11:22, 6.20s/it]print_dice: 0.534269392490387
, print_iou: 0.3645072281360626
2861 Epoch 19/499: 32%|███| 51/160 [05:22<11:13, 6.18s/it]print_dice: 0.
43280133605003357, print_iou: 0.27616238594055176
2862 Epoch 19/499: 32%|███| 52/160 [05:28<11:04, 6.15s/it]print_dice: 0.5123794674873352
, print_iou: 0.3444288671016693
2863 Epoch 19/499: 33%|███| 53/160 [05:35<11:05, 6.22s/it]print_dice: 0.
49697503447532654, print_iou: 0.33064988255500793
2864 Epoch 19/499: 34%|███| 54/160 [05:41<10:56, 6.20s/it]print_dice: 0.
48745763301849365, print_iou: 0.3222770094871521

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2865 Epoch 19/499: 34%|██████| 55/160 [05:47<10:50, 6.19s/it]print_dice: 0.6127419471740723
, print_iou: 0.44169285893440247
2866 Epoch 19/499: 35%|██████| 56/160 [05:53<10:44, 6.19s/it]print_dice: 0.533698558807373
, print_iou: 0.36397603154182434
2867 Epoch 19/499: 36%|██████| 57/160 [05:59<10:36, 6.18s/it]print_dice: 0.5533907413482666
, print_iou: 0.3825433552265167
2868 print_dice: 0.5185584425926208, print_iou: 0.3500363826751709
2869 Epoch 19/499: 37%|██████| 59/160 [06:11<10:23, 6.17s/it]print_dice: 0.4244036376476288
, print_iou: 0.26936063170433044
2870 print_dice: 0.4653244912624359, print_iou: 0.3032070994377136
2871 Epoch 19/499: 38%|██████| 61/160 [06:24<10:12, 6.19s/it]print_dice: 0.
48777633905410767, print_iou: 0.32255569100379944
2872 Epoch 19/499: 39%|██████| 62/160 [06:30<10:04, 6.17s/it]print_dice: 0.5387454032897949
, print_iou: 0.3686869144439697
2873 print_dice: 0.4981243312358856, print_iou: 0.3316681683063507
2874 Epoch 19/499: 40%|██████| 64/160 [06:42<09:54, 6.20s/it]print_dice: 0.
48434609174728394, print_iou: 0.31956246495246887
2875 print_dice: 0.5793238282203674, print_iou: 0.40778037905693054
2876 Epoch 19/499: 41%|██████| 66/160 [06:55<09:43, 6.21s/it]print_dice: 0.587794840335846
, print_iou: 0.41622480750083923
2877 Epoch 19/499: 42%|██████| 67/160 [07:01<09:36, 6.20s/it]print_dice: 0.5564913749694824
, print_iou: 0.3855130076408386
2878 Epoch 19/499: 42%|██████| 68/160 [07:07<09:28, 6.18s/it]print_dice: 0.5647326111793518
, print_iou: 0.39346858859062195
2879 Epoch 19/499: 43%|██████| 69/160 [07:13<09:22, 6.19s/it]print_dice: 0.4849008023738861
, print_iou: 0.3200455904006958
2880 print_dice: 0.502498984336853, print_iou: 0.33555835485458374
2881 Epoch 19/499: 44%|██████| 71/160 [07:26<09:09, 6.17s/it]print_dice: 0.5916516780853271
, print_iou: 0.4201032221317291
2882 Epoch 19/499: 45%|██████| 72/160 [07:32<09:03, 6.18s/it]print_dice: 0.4472619295120239
, print_iou: 0.28804725408554077
2883 Epoch 19/499: 46%|██████| 73/160 [07:38<08:57, 6.18s/it]print_dice: 0.5374812483787537
, print_iou: 0.367503821849823
2884 Epoch 19/499: 46%|██████| 74/160 [07:44<08:52, 6.20s/it]print_dice: 0.5222185850143433
, print_iou: 0.35338011384010315
2885 Epoch 19/499: 47%|██████| 75/160 [07:51<08:49, 6.23s/it]print_dice: 0.
49545493721961975, print_iou: 0.3293054699897766
2886 print_dice: 0.5692793726921082, print_iou: 0.397896945476532
2887 Epoch 19/499: 48%|██████| 77/160 [08:03<08:42, 6.30s/it]print_dice: 0.4821198582649231
, print_iou: 0.31762710213661194
2888 Epoch 19/499: 49%|██████| 78/160 [08:10<08:33, 6.26s/it]print_dice: 0.
48998552560806274, print_iou: 0.32449060678482056
2889 Epoch 19/499: 49%|██████| 79/160 [08:16<08:25, 6.25s/it]print_dice: 0.5262165069580078
, print_iou: 0.35705143213272095
2890 print_dice: 0.5594834685325623, print_iou: 0.3883908987045288
2891 Epoch 19/499: 51%|██████| 81/160 [08:28<08:15, 6.27s/it]print_dice: 0.5637220740318298
, print_iou: 0.39248815178871155
2892 print_dice: 0.49640923738479614, print_iou: 0.33014917373657227
2893 Epoch 19/499: 52%|██████| 83/160 [08:41<08:00, 6.24s/it]print_dice: 0.5371267199516296
, print_iou: 0.3671724200248718
2894 Epoch 19/499: 52%|██████| 84/160 [08:47<07:52, 6.22s/it]print_dice: 0.5907559990882874
, print_iou: 0.4192006587982178
2895 Epoch 19/499: 53%|██████| 85/160 [08:53<07:48, 6.24s/it]print_dice: 0.
48729854822158813, print_iou: 0.3221379518508911
2896 Epoch 19/499: 54%|██████| 86/160 [08:59<07:40, 6.23s/it]print_dice: 0.5835129022598267
, print_iou: 0.4119436740875244
2897 Epoch 19/499: 54%|██████| 87/160 [09:06<07:31, 6.19s/it]print_dice: 0.
42476412653923035, print_iou: 0.2696511149406433
2898 print_dice: 0.5953456163406372, print_iou: 0.423837810754776
2899 Epoch 19/499: 56%|██████| 89/160 [09:18<07:17, 6.16s/it]print_dice: 0.5390567779541016
, print_iou: 0.3689785897731781
2900 Epoch 19/499: 56%|██████| 90/160 [09:24<07:11, 6.17s/it]print_dice: 0.5123311281204224
, print_iou: 0.34438517689704895
2901 Epoch 19/499: 57%|██████| 91/160 [09:30<07:06, 6.18s/it]print_dice: 0.4342213273048401
, print_iou: 0.2773197293281555
2902 Epoch 19/499: 57%|██████| 92/160 [09:36<07:03, 6.22s/it]print_dice: 0.5588420033454895
, print_iou: 0.38777291774749756
2903 print_dice: 0.530842125415802, print_iou: 0.3613240718841553
2904 Epoch 19/499: 59%|██████| 94/160 [09:49<06:47, 6.17s/it]print_dice: 0.5335366129875183

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2904 , print_iou: 0.36382541060447693
2905 Epoch 19/499: 59%|███████| 95/160 [09:55<06:44, 6.22s/it]print_dice: 0.5382614135742188
, print_iou: 0.36823371052742004
2906 Epoch 19/499: 60%|███████| 96/160 [10:01<06:38, 6.22s/it]print_dice: 0.5141697525978088
, print_iou: 0.3460487723350525
2907 Epoch 19/499: 61%|███████| 97/160 [10:07<06:30, 6.19s/it]print_dice: 0.438169002532959
, print_iou: 0.2805482745170593
2908 Epoch 19/499: 61%|███████| 98/160 [10:14<06:24, 6.19s/it]print_dice: 0.4830212891101837
, print_iou: 0.31841006875038147
2909 print_dice: 0.5671985149383545, print_iou: 0.3958668112754822
2910 Epoch 19/499: 62%|███████| 100/160 [10:26<06:13, 6.22s/it]print_dice: 0.520125687122345
, print_iou: 0.3514661490917206
2911 Epoch 19/499: 63%|███████| 101/160 [10:32<06:06, 6.21s/it]print_dice: 0.
5502232909202576, print_iou: 0.37952277064323425
2912 [100/160] eta: 0:06:15 time: 6.1986 data: 0.0005
2913 Epoch 19/499: 64%|███████| 102/160 [10:39<06:00, 6.21s/it]print_dice: 0.
5892739295959473, print_iou: 0.41770967841148376
2914 Epoch 19/499: 64%|███████| 103/160 [10:45<05:53, 6.20s/it]print_dice: 0.
6092565655708313, print_iou: 0.4380797743797302
2915 Epoch 19/499: 65%|███████| 104/160 [10:51<05:49, 6.23s/it]print_dice: 0.
4633955657482147, print_iou: 0.30157116055488586
2916 Epoch 19/499: 66%|███████| 105/160 [10:57<05:41, 6.21s/it]print_dice: 0.
46897152066230774, print_iou: 0.3063114285469055
2917 print_dice: 0.5653517842292786, print_iou: 0.39406999945640564
2918 Epoch 19/499: 67%|███████| 107/160 [11:10<05:30, 6.23s/it]print_dice: 0.
4974954426288605, print_iou: 0.33111077547073364
2919 Epoch 19/499: 68%|███████| 108/160 [11:16<05:25, 6.27s/it]print_dice: 0.560996413230896
, print_iou: 0.38985058665275574
2920 Epoch 19/499: 68%|███████| 109/160 [11:22<05:16, 6.21s/it]print_dice: 0.
5318069458007812, print_iou: 0.3622186779975891
2921 Epoch 19/499: 69%|███████| 110/160 [11:28<05:13, 6.26s/it]print_dice: 0.
5344767570495605, print_iou: 0.3647003173828125
2922 Epoch 19/499: 69%|███████| 111/160 [11:35<05:08, 6.31s/it]print_dice: 0.
5774679183959961, print_iou: 0.40594369173049927
2923 print_dice: 0.48842597007751465, print_iou: 0.32312408089637756
2924 Epoch 19/499: 71%|███████| 113/160 [11:47<04:53, 6.25s/it]print_dice: 0.
5188591480255127, print_iou: 0.35031044483184814
2925 Epoch 19/499: 71%|███████| 114/160 [11:53<04:45, 6.22s/it]print_dice: 0.
45592671632766724, print_iou: 0.29527533054351807
2926 Epoch 19/499: 72%|███████| 115/160 [12:00<04:38, 6.19s/it]print_dice: 0.
5496252179145813, print_iou: 0.3789539337158203
2927 print_dice: 0.4697657823562622, print_iou: 0.306989461183548
2928 Epoch 19/499: 73%|███████| 117/160 [12:12<04:26, 6.20s/it]print_dice: 0.
46081778407096863, print_iou: 0.2993912994861603
2929 print_dice: 0.5444223284721375, print_iou: 0.374024897813797
2930 Epoch 19/499: 74%|███████| 119/160 [12:24<04:13, 6.18s/it]print_dice: 0.612693727016449
, print_iou: 0.44164273142814636
2931 print_dice: 0.5233415365219116, print_iou: 0.3544093370437622
2932 Epoch 19/499: 76%|███████| 121/160 [12:37<04:02, 6.23s/it]print_dice: 0.474653035402298
, print_iou: 0.3111771047115326
2933 Epoch 19/499: 76%|███████| 122/160 [12:43<03:56, 6.22s/it]print_dice: 0.
5598709583282471, print_iou: 0.38876447081565857
2934 Epoch 19/499: 77%|███████| 123/160 [12:49<03:50, 6.22s/it]print_dice: 0.
5060263872146606, print_iou: 0.3387117087841034
2935 print_dice: 0.5479145050048828, print_iou: 0.37732934951782227
2936 Epoch 19/499: 78%|███████| 125/160 [13:02<03:36, 6.19s/it]print_dice: 0.
5736591815948486, print_iou: 0.4021894037723541
2937 Epoch 19/499: 79%|███████| 126/160 [13:08<03:30, 6.19s/it]print_dice: 0.
5914785861968994, print_iou: 0.41992872953414917
2938 Epoch 19/499: 79%|███████| 127/160 [13:14<03:25, 6.23s/it]print_dice: 0.
5021498203277588, print_iou: 0.3352470397949219
2939 Epoch 19/499: 80%|███████| 128/160 [13:21<03:20, 6.28s/it]print_dice: 0.
5539407134056091, print_iou: 0.3830691874027252
2940 Epoch 19/499: 81%|███████| 129/160 [13:27<03:13, 6.26s/it]print_dice: 0.
5048002600669861, print_iou: 0.33761391043663025
2941 Epoch 19/499: 81%|███████| 130/160 [13:33<03:06, 6.23s/it]print_dice: 0.
46962597966194153, print_iou: 0.30687007308006287
2942 print_dice: 0.5367934107780457, print_iou: 0.366860955953598
2943 Epoch 19/499: 82%|███████| 132/160 [13:46<02:55, 6.27s/it]print_dice: 0.
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2943 5280399322509766, print_iou: 0.35873252153396606
2944 print_dice: 0.582707405090332, print_iou: 0.41114121675491333
2945 Epoch 19/499: 84%|██████████| 134/160 [13:58<02:43, 6.27s/it]print_dice: 0.
5444454550743103, print_iou: 0.37404677271842957
2946 Epoch 19/499: 84%|██████████| 135/160 [14:04<02:37, 6.28s/it]print_dice: 0.
5061382055282593, print_iou: 0.3388119339942932
2947 Epoch 19/499: 85%|██████████| 136/160 [14:11<02:29, 6.23s/it]print_dice: 0.
5096349716186523, print_iou: 0.3419530987739563
2948 Epoch 19/499: 86%|██████████| 137/160 [14:17<02:23, 6.23s/it]print_dice: 0.
5194631814956665, print_iou: 0.3508613705635071
2949 Epoch 19/499: 86%|██████████| 138/160 [14:23<02:16, 6.22s/it]print_dice: 0.
4755745828151703, print_iou: 0.31196972727775574
2950 print_dice: 0.5337288975715637, print_iou: 0.3640042543411255
2951 Epoch 19/499: 88%|██████████| 140/160 [14:35<02:03, 6.20s/it]print_dice: 0.
5403724908828735, print_iou: 0.3702126145362854
2952 Epoch 19/499: 88%|██████████| 141/160 [14:42<01:57, 6.21s/it]print_dice: 0.
5795924663543701, print_iou: 0.4080466032028198
2953 Epoch 19/499: 89%|██████████| 142/160 [14:48<01:52, 6.24s/it]print_dice: 0.
4934249222278595, print_iou: 0.32751432061195374
2954 Epoch 19/499: 89%|██████████| 143/160 [14:54<01:45, 6.22s/it]print_dice: 0.
5073353052139282, print_iou: 0.3398856520652771
2955 print_dice: 0.5823171734809875, print_iou: 0.4107527732849121
2956 Epoch 19/499: 91%|██████████| 145/160 [15:06<01:33, 6.21s/it]print_dice: 0.
4991433024406433, print_iou: 0.33257225155830383
2957 print_dice: 0.49185100197792053, print_iou: 0.32612892985343933
2958 Epoch 19/499: 92%|██████████| 147/160 [15:19<01:20, 6.21s/it]print_dice: 0.
5310806035995483, print_iou: 0.3615450859069824
2959 Epoch 19/499: 92%|██████████| 148/160 [15:25<01:14, 6.23s/it]print_dice: 0.
4873480796813965, print_iou: 0.32218125462532043
2960 Epoch 19/499: 93%|██████████| 149/160 [15:31<01:08, 6.19s/it]print_dice: 0.
49449560046195984, print_iou: 0.32845842838287354
2961 print_dice: 0.5451914668083191, print_iou: 0.37475135922431946
2962 Epoch 19/499: 94%|██████████| 151/160 [15:44<00:56, 6.22s/it]print_dice: 0.
5461379289627075, print_iou: 0.37564632296562195
2963 Epoch 19/499: 95%|██████████| 152/160 [15:50<00:49, 6.24s/it]print_dice: 0.499802827835083
, print_iou: 0.33315810561180115
2964 Epoch 19/499: 96%|██████████| 153/160 [15:56<00:43, 6.26s/it]print_dice: 0.
47002357244491577, print_iou: 0.30720970034599304
2965 print_dice: 0.5768242478370667, print_iou: 0.405307799577713
2966 Epoch 19/499: 97%|██████████| 155/160 [16:09<00:31, 6.23s/it]print_dice: 0.
5710875391960144, print_iou: 0.39966586232185364
2967 Epoch 19/499: 98%|██████████| 156/160 [16:15<00:24, 6.22s/it]print_dice: 0.
5232495665550232, print_iou: 0.35432496666908264
2968 Epoch 19/499: 98%|██████████| 157/160 [16:21<00:18, 6.27s/it]print_dice: 0.
5215453505516052, print_iou: 0.3527638614177704
2969 Epoch 19/499: 99%|██████████| 158/160 [16:28<00:12, 6.26s/it]print_dice: 0.519776463508606
, print_iou: 0.35114726424217224
2970 Epoch 19/499: 99%|██████████| 159/160 [16:34<00:06, 6.22s/it]print_dice: 0.
5457959771156311, print_iou: 0.3753228485584259
2971 Epoch 19/499: 100%|██████████| 160/160 [16:40<00:00, 6.19s/it]print_dice: 0.
5566315650939941, print_iou: 0.38564759492874146
2972 [159/160] eta: 0:00:06 time: 6.2230 data: 0.0002
2973 Epoch 19/499: 100%|██████████| 160/160 [16:41<00:00, 6.26s/it]
2974 Total time: 0:16:41 (6.2568 s / it)
2975 Averaged stats: training_loss: -576.7271 (-576.7271) loss_mask: -576.6950 (-576.6950)
loss_dice: -0.0320 (-0.0320)
2976 Net parameter norm: 1053.8330405404558
2977 0%|██████████| 0/12 [00:00<?, ?it/s]Validating...
2978 Valid_data_loader len: 12
2979 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0012, 0.0013
, 0.0013, ..., 0.9999, 0.9999, 0.9999],
2980 grad_fn=<Unique2Backward0>)
2981 8%|██████████| 1/12 [00:08<01:38, 8.94s/it]print_dice: 0.561016321182251, print_iou: 0.
3898698389530182
2982 [ 0/12] eta: 0:01:47 time: 8.9379 data: 4.8699
2983 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.3438e-04, 3.
4207e-04, 3.4483e-04, ..., 1.0000e+00, 1.0000e+00,
2984 1.0000e+00], grad_fn=<Unique2Backward0>)
2985 17%|██████████| 2/12 [00:13<01:01, 6.17s/it]print_dice: 0.5998548865318298, print_iou: 0.

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2985 42842337489128113
2986 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.3500e-04, 3.
      5122e-04, 3.6134e-04, ..., 1.0000e+00, 1.0000e+00,
2987      1.0000e+00], grad_fn=<Unique2Backward0>)
2988 25%|███████| 3/12 [00:17<00:47, 5.26s/it]print_dice: 0.5357446074485779, print_iou: 0.
      36588194966316223
2989 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.5496e-04, 3.
      5889e-04, 3.6075e-04, ..., 1.0000e+00, 1.0000e+00,
2990      1.0000e+00], grad_fn=<Unique2Backward0>)
2991 33%|███████| 4/12 [00:21<00:38, 4.84s/it]print_dice: 0.5311021208763123, print_iou: 0.
      3615650236606598
2992 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.2754e-04, 3.
      3370e-04, 3.4215e-04, ..., 1.0000e+00, 1.0000e+00,
2993      1.0000e+00], grad_fn=<Unique2Backward0>)
2994 42%|███████| 5/12 [00:25<00:31, 4.57s/it]print_dice: 0.5752257108688354, print_iou: 0.
      403731107711792
2995 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.8832e-04, 7.
      9472e-04, 8.1264e-04, ..., 9.9996e-01, 9.9996e-01,
2996      9.9997e-01], grad_fn=<Unique2Backward0>)
2997 50%|███████| 6/12 [00:29<00:26, 4.41s/it]print_dice: 0.5153577327728271, print_iou: 0.
      3471258580684662
2998 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.5553e-04, 3.
      5881e-04, 3.6073e-04, ..., 1.0000e+00, 1.0000e+00,
2999      1.0000e+00], grad_fn=<Unique2Backward0>)
3000 58%|███████| 7/12 [00:34<00:21, 4.37s/it]print_dice: 0.45272836089134216, print_iou: 0
      .29259786009788513
3001 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.5546e-04, 3.
      5879e-04, 3.6063e-04, ..., 1.0000e+00, 1.0000e+00,
3002      1.0000e+00], grad_fn=<Unique2Backward0>)
3003 print_dice: 0.5484212636947632, print_iou: 0.37781020998954773
3004 67%|███████| 8/12 [00:38<00:17, 4.26s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([0.0011, 0.0011, 0.0011, ..., 1.0000, 1.0000, 1.0000],
3005      grad_fn=<Unique2Backward0>)
3006 75%|███████| 9/12 [00:42<00:12, 4.25s/it]print_dice: 0.5593962073326111, print_iou: 0.
      38830676674842834
3007 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.5550e-04, 3.
      5874e-04, 3.6066e-04, ..., 1.0000e+00, 1.0000e+00,
3008      1.0000e+00], grad_fn=<Unique2Backward0>)
3009 83%|███████| 10/12 [00:46<00:08, 4.20s/it]print_dice: 0.5834547877311707, print_iou: 0
      .4118857681751251
3010 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.3244e-04, 2.
      3743e-04, 2.4279e-04, ..., 1.0000e+00, 1.0000e+00,
3011      1.0000e+00], grad_fn=<Unique2Backward0>)
3012 92%|███████| 11/12 [00:50<00:04, 4.16s/it]print_dice: 0.6155471801757812, print_iou: 0
      .444614052772522
3013 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.5546e-04, 3.
      5886e-04, 3.6069e-04, ..., 1.0000e+00, 1.0000e+00,
3014      1.0000e+00], grad_fn=<Unique2Backward0>)
3015 100%|███████| 12/12 [00:54<00:00, 4.14s/it]print_dice: 0.5880541205406189, print_iou: 0
      .41648486256599426
3016 [11/12] eta: 0:00:04 time: 4.5444 data: 0.4063
3017 100%|███████| 12/12 [00:54<00:00, 4.58s/it]
3018 Total time: 0:00:54 (4.5770 s / it)
3019 =====
3020 Averaged stats:
3021 epoch: 20 learning rate: 1e-07
3022 Epoch 20/499: 1%|███████| 1/160 [00:10<27:40, 10.44s/it]print_dice: 0.47893285751342773
      , print_iou: 0.3148663640022278
3023 [ 0/160] eta: 0:27:51 time: 10.4446 data: 4.0974
3024 Epoch 20/499: 1%|███████| 2/160 [00:16<20:55, 7.95s/it]print_dice: 0.6097930669784546
      , print_iou: 0.4386347234249115
3025 print_dice: 0.5556237101554871, print_iou: 0.38468071818351746
3026 Epoch 20/499: 2%|███████| 4/160 [00:28<17:34, 6.76s/it]print_dice: 0.5533893704414368
      , print_iou: 0.3825420141220093
3027 Epoch 20/499: 3%|███████| 5/160 [00:35<16:49, 6.51s/it]print_dice: 0.5147458910942078
      , print_iou: 0.3465709090232849
3028 Epoch 20/499: 4%|███████| 6/160 [00:41<16:24, 6.39s/it]print_dice: 0.5509227514266968
      , print_iou: 0.3801886737346649
3029 Epoch 20/499: 4%|███████| 7/160 [00:47<16:19, 6.40s/it]print_dice: 0.5921638011932373

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3029 , print_iou: 0.42061981558799744
3030 Epoch 20/499: 5%|█          | 8/160 [00:53<15:59, 6.31s/it]print_dice: 0.4818718731403351
, print_iou: 0.317411869764328
3031 Epoch 20/499: 6%|█          | 9/160 [01:00<15:50, 6.29s/it]print_dice: 0.5387160778045654
, print_iou: 0.36865943670272827
3032 Epoch 20/499: 6%|█          | 10/160 [01:06<15:37, 6.25s/it]print_dice: 0.5810585021972656
, print_iou: 0.40950140357017517
3033 print_dice: 0.5389308333396912, print_iou: 0.3688606023788452
3034 Epoch 20/499: 8%|█          | 12/160 [01:18<15:29, 6.28s/it]print_dice: 0.5849620699882507
, print_iou: 0.413389652967453
3035 Epoch 20/499: 8%|█          | 13/160 [01:24<15:17, 6.24s/it]print_dice: 0.5686580538749695
, print_iou: 0.3972901403903961
3036 print_dice: 0.6004505157470703, print_iou: 0.42903125286102295
3037 Epoch 20/499: 9%|█          | 15/160 [01:37<15:11, 6.28s/it]print_dice: 0.5297145247459412
, print_iou: 0.36028003692626953
3038 Epoch 20/499: 10%|█         | 16/160 [01:43<15:02, 6.27s/it]print_dice: 0.5105013847351074
, print_iou: 0.3427337110042572
3039 print_dice: 0.5468251705169678, print_iou: 0.37629687786102295
3040 Epoch 20/499: 11%|█         | 18/160 [01:56<14:44, 6.23s/it]print_dice: 0.
49215051531791687, print_iou: 0.3263923227787018
3041 Epoch 20/499: 12%|█         | 19/160 [02:02<14:37, 6.23s/it]print_dice: 0.4818671941757202
, print_iou: 0.3174077868461609
3042 Epoch 20/499: 12%|█         | 20/160 [02:08<14:36, 6.26s/it]print_dice: 0.5138840079307556
, print_iou: 0.34578993916511536
3043 Epoch 20/499: 13%|█         | 21/160 [02:15<14:32, 6.28s/it]print_dice: 0.496927410364151
, print_iou: 0.33060771226882935
3044 Epoch 20/499: 14%|█         | 22/160 [02:21<14:28, 6.29s/it]print_dice: 0.5005767345428467
, print_iou: 0.33384618163108826
3045 Epoch 20/499: 14%|█         | 23/160 [02:27<14:19, 6.28s/it]print_dice: 0.5417537689208984
, print_iou: 0.37151047587394714
3046 Epoch 20/499: 15%|█         | 24/160 [02:33<14:11, 6.26s/it]print_dice: 0.5349834561347961
, print_iou: 0.36517226696014404
3047 Epoch 20/499: 16%|█         | 25/160 [02:40<14:02, 6.24s/it]print_dice: 0.5415921807289124
, print_iou: 0.3713585436344147
3048 Epoch 20/499: 16%|█         | 26/160 [02:46<13:59, 6.27s/it]print_dice: 0.
41570648550987244, print_iou: 0.2623923420906067
3049 Epoch 20/499: 17%|█         | 27/160 [02:52<13:55, 6.28s/it]print_dice: 0.
44289231300354004, print_iou: 0.28443267941474915
3050 Epoch 20/499: 18%|█         | 28/160 [02:58<13:48, 6.27s/it]print_dice: 0.4739890694618225
, print_iou: 0.31060659885406494
3051 Epoch 20/499: 18%|█         | 29/160 [03:05<13:41, 6.27s/it]print_dice: 0.5448827147483826
, print_iou: 0.3744596540927887
3052 Epoch 20/499: 19%|█         | 30/160 [03:11<13:36, 6.28s/it]print_dice: 0.5097916722297668
, print_iou: 0.3420942425727844
3053 Epoch 20/499: 19%|█         | 31/160 [03:17<13:26, 6.25s/it]print_dice: 0.5841366052627563
, print_iou: 0.4125656187534332
3054 Epoch 20/499: 20%|█         | 32/160 [03:23<13:16, 6.22s/it]print_dice: 0.
47358188033103943, print_iou: 0.3102569878101349
3055 Epoch 20/499: 21%|█         | 33/160 [03:30<13:14, 6.25s/it]print_dice: 0.5253327488899231
, print_iou: 0.35623815655708313
3056 print_dice: 0.5730167627334595, print_iou: 0.40155816078186035
3057 Epoch 20/499: 22%|█         | 35/160 [03:42<12:57, 6.22s/it]print_dice: 0.5599890947341919
, print_iou: 0.38887837529182434
3058 Epoch 20/499: 22%|█         | 36/160 [03:48<12:47, 6.19s/it]print_dice: 0.4742191731929779
, print_iou: 0.31080424785614014
3059 Epoch 20/499: 23%|█         | 37/160 [03:55<12:51, 6.27s/it]print_dice: 0.5410465598106384
, print_iou: 0.3708456754684448
3060 print_dice: 0.524467408657074, print_iou: 0.35544276237487793
3061 Epoch 20/499: 24%|█         | 39/160 [04:07<12:47, 6.35s/it]print_dice: 0.
49974536895751953, print_iou: 0.33310702443122864
3062 Epoch 20/499: 25%|█         | 40/160 [04:14<12:38, 6.32s/it]print_dice: 0.5397964715957642
, print_iou: 0.3696720600128174
3063 Epoch 20/499: 26%|█         | 41/160 [04:20<12:32, 6.33s/it]print_dice: 0.5228686332702637
, print_iou: 0.35397571325302124
3064 Epoch 20/499: 26%|█         | 42/160 [04:26<12:18, 6.26s/it]print_dice: 0.481918066740036
, print_iou: 0.31745195388793945
3065 Epoch 20/499: 27%|█         | 43/160 [04:32<12:06, 6.21s/it]print_dice: 0.5880471467971802
, print_iou: 0.41647788882255554
3066 Epoch 20/499: 28%|█         | 44/160 [04:39<12:03, 6.24s/it]print_dice: 0.5456275343894958

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3066 , print_iou: 0.3751635253429413
3067 print_dice: 0.48597773909568787, print_iou: 0.32098454236984253
3068 Epoch 20/499: 29%|██████| 46/160 [04:51<11:46, 6.20s/it]print_dice: 0.5114567279815674
, print_iou: 0.3435954451560974
3069 Epoch 20/499: 29%|██████| 47/160 [04:57<11:37, 6.17s/it]print_dice: 0.5577346682548523
, print_iou: 0.3867073655128479
3070 Epoch 20/499: 30%|██████| 48/160 [05:03<11:34, 6.20s/it]print_dice: 0.5052009224891663
, print_iou: 0.3379724621772766
3071 print_dice: 0.5225047469139099, print_iou: 0.35364222526550293
3072 Epoch 20/499: 31%|██████| 50/160 [05:16<11:22, 6.21s/it]print_dice: 0.4737068712711334
, print_iou: 0.3103642761707306
3073 Epoch 20/499: 32%|██████| 51/160 [05:22<11:14, 6.19s/it]print_dice: 0.5263407826423645
, print_iou: 0.3571659028530121
3074 print_dice: 0.4738540053367615, print_iou: 0.31049060821533203
3075 Epoch 20/499: 33%|██████| 53/160 [05:34<11:07, 6.24s/it]print_dice: 0.5779480338096619
, print_iou: 0.4064183831214905
3076 Epoch 20/499: 34%|██████| 54/160 [05:41<11:01, 6.24s/it]print_dice: 0.5084936618804932
, print_iou: 0.34092622995376587
3077 Epoch 20/499: 34%|██████| 55/160 [05:47<10:55, 6.24s/it]print_dice: 0.5319545269012451
, print_iou: 0.3623555898666382
3078 Epoch 20/499: 35%|██████| 56/160 [05:53<10:47, 6.23s/it]print_dice: 0.5603010654449463
, print_iou: 0.3891793191432953
3079 Epoch 20/499: 36%|██████| 57/160 [05:59<10:42, 6.23s/it]print_dice: 0.5215035080909729
, print_iou: 0.3527255654335022
3080 Epoch 20/499: 36%|██████| 58/160 [06:06<10:36, 6.24s/it]print_dice: 0.5063114166259766
, print_iou: 0.3389671742916107
3081 print_dice: 0.5334972739219666, print_iou: 0.36378878355026245
3082 Epoch 20/499: 38%|██████| 60/160 [06:18<10:20, 6.20s/it]print_dice: 0.528750479221344
, print_iou: 0.35938870906829834
3083 Epoch 20/499: 38%|██████| 61/160 [06:24<10:17, 6.24s/it]print_dice: 0.4943309724330902
, print_iou: 0.3283131718635559
3084 Epoch 20/499: 39%|██████| 62/160 [06:30<10:10, 6.23s/it]print_dice: 0.5360738635063171
, print_iou: 0.3661891222000122
3085 Epoch 20/499: 39%|██████| 63/160 [06:37<10:04, 6.23s/it]print_dice: 0.5823848843574524
, print_iou: 0.4108201861381531
3086 Epoch 20/499: 40%|██████| 64/160 [06:43<09:58, 6.23s/it]print_dice: 0.4828619360923767
, print_iou: 0.31827157735824585
3087 Epoch 20/499: 41%|██████| 65/160 [06:49<09:55, 6.27s/it]print_dice: 0.5601514577865601
, print_iou: 0.3890349864959717
3088 print_dice: 0.6029517650604248, print_iou: 0.4315897822380066
3089 Epoch 20/499: 42%|██████| 67/160 [07:02<09:43, 6.28s/it]print_dice: 0.5457688570022583
, print_iou: 0.3752971887588501
3090 Epoch 20/499: 42%|██████| 68/160 [07:08<09:34, 6.24s/it]print_dice: 0.5037897229194641
, print_iou: 0.33671051263809204
3091 Epoch 20/499: 43%|██████| 69/160 [07:14<09:27, 6.24s/it]print_dice: 0.4685864746570587
, print_iou: 0.3059829771518707
3092 Epoch 20/499: 44%|██████| 70/160 [07:21<09:24, 6.27s/it]print_dice: 0.
44461679458618164, print_iou: 0.2858567535877228
3093 print_dice: 0.5861210227012634, print_iou: 0.41454821825027466
3094 Epoch 20/499: 45%|██████| 72/160 [07:33<09:05, 6.20s/it]print_dice: 0.
49095237255096436, print_iou: 0.3253392279148102
3095 print_dice: 0.5823696255683899, print_iou: 0.41080498695373535
3096 Epoch 20/499: 46%|██████| 74/160 [07:45<08:58, 6.26s/it]print_dice: 0.5170671343803406
, print_iou: 0.34867873787879944
3097 Epoch 20/499: 47%|██████| 75/160 [07:52<08:49, 6.23s/it]print_dice: 0.
49837514758110046, print_iou: 0.3318905830383301
3098 Epoch 20/499: 48%|██████| 76/160 [07:58<08:40, 6.20s/it]print_dice: 0.5308367013931274
, print_iou: 0.36131906509399414
3099 Epoch 20/499: 48%|██████| 77/160 [08:04<08:33, 6.18s/it]print_dice: 0.5685533881187439
, print_iou: 0.3971880078315735
3100 Epoch 20/499: 49%|██████| 78/160 [08:10<08:30, 6.22s/it]print_dice: 0.5595128536224365
, print_iou: 0.38841918110847473
3101 print_dice: 0.5205631256103516, print_iou: 0.3518657088279724
3102 Epoch 20/499: 50%|██████| 80/160 [08:23<08:22, 6.28s/it]print_dice: 0.5298525094985962
, print_iou: 0.3604077398777008
3103 Epoch 20/499: 51%|██████| 81/160 [08:29<08:13, 6.25s/it]print_dice: 0.5143551230430603
, print_iou: 0.34621673822402954
3104 print_dice: 0.5575133562088013, print_iou: 0.38649463653564453
3105 Epoch 20/499: 52%|██████| 83/160 [08:41<07:58, 6.21s/it]print_dice: 0.6159008741378784

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3105 , print_iou: 0.44498318433761597
3106 Epoch 20/499: 52%|██████| 84/160 [08:48<07:53, 6.23s/it]print_dice: 0.4339064061641693
, print_iou: 0.27706289291381836
3107 print_dice: 0.5624839663505554, print_iou: 0.3912888169288635
3108 Epoch 20/499: 54%|██████| 86/160 [09:00<07:45, 6.28s/it]print_dice: 0.5177963376045227
, print_iou: 0.3493422269821167
3109 Epoch 20/499: 54%|██████| 87/160 [09:07<07:37, 6.27s/it]print_dice: 0.5030338168144226
, print_iou: 0.33603549003601074
3110 Epoch 20/499: 55%|██████| 88/160 [09:13<07:29, 6.24s/it]print_dice: 0.5741075277328491
, print_iou: 0.4026302993297577
3111 print_dice: 0.5093623399734497, print_iou: 0.34170767664909363
3112 Epoch 20/499: 56%|██████| 90/160 [09:25<07:15, 6.23s/it]print_dice: 0.5431240200996399
, print_iou: 0.37280043959617615
3113 print_dice: 0.5121962428092957, print_iou: 0.3442632853984833
3114 Epoch 20/499: 57%|██████| 92/160 [09:38<07:02, 6.22s/it]print_dice: 0.5952205657958984
, print_iou: 0.42371106147766113
3115 Epoch 20/499: 58%|██████| 93/160 [09:44<06:56, 6.21s/it]print_dice: 0.5671657919883728
, print_iou: 0.39583492279052734
3116 Epoch 20/499: 59%|██████| 94/160 [09:50<06:51, 6.23s/it]print_dice: 0.5394418835639954
, print_iou: 0.3693395256996155
3117 print_dice: 0.4949817955493927, print_iou: 0.32888758182525635
3118 Epoch 20/499: 60%|██████| 96/160 [10:03<06:40, 6.26s/it]print_dice: 0.492645263671875
, print_iou: 0.32682767510414124
3119 Epoch 20/499: 61%|██████| 97/160 [10:09<06:34, 6.26s/it]print_dice: 0.5652477145195007
, print_iou: 0.3939688503742218
3120 Epoch 20/499: 61%|██████| 98/160 [10:15<06:27, 6.25s/it]print_dice: 0.5862423777580261
, print_iou: 0.4146696627140045
3121 print_dice: 0.5548841953277588, print_iou: 0.38397216796875
3122 Epoch 20/499: 62%|██████| 100/160 [10:28<06:14, 6.24s/it]print_dice: 0.
4650295674800873, print_iou: 0.3029567003250122
3123 Epoch 20/499: 63%|██████| 101/160 [10:34<06:06, 6.21s/it]print_dice: 0.517492413520813
, print_iou: 0.3490656316280365
3124 [100/160] eta: 0:06:16 time: 6.2370 data: 0.0005
3125 print_dice: 0.5177793502807617, print_iou: 0.3493267595767975
3126 Epoch 20/499: 64%|██████| 103/160 [10:46<05:53, 6.19s/it]print_dice: 0.
5017845630645752, print_iou: 0.3349214792251587
3127 print_dice: 0.6033371090888977, print_iou: 0.4319847822189331
3128 Epoch 20/499: 66%|██████| 105/160 [10:59<05:41, 6.21s/it]print_dice: 0.
5410986542701721, print_iou: 0.3708946108818054
3129 Epoch 20/499: 66%|██████| 106/160 [11:05<05:34, 6.20s/it]print_dice: 0.
48568278551101685, print_iou: 0.32072725892066956
3130 print_dice: 0.439250648021698, print_iou: 0.2814357280731201
3131 Epoch 20/499: 68%|██████| 108/160 [11:18<05:27, 6.30s/it]print_dice: 0.
4469405710697174, print_iou: 0.2877807319164276
3132 Epoch 20/499: 68%|██████| 109/160 [11:24<05:22, 6.32s/it]print_dice: 0.
5477529168128967, print_iou: 0.37717610597610474
3133 Epoch 20/499: 69%|██████| 110/160 [11:30<05:13, 6.28s/it]print_dice: 0.
45841991901397705, print_iou: 0.29737016558647156
3134 Epoch 20/499: 69%|██████| 111/160 [11:36<05:05, 6.24s/it]print_dice: 0.46062171459198
, print_iou: 0.2992258071899414
3135 Epoch 20/499: 70%|██████| 112/160 [11:42<04:57, 6.21s/it]print_dice: 0.
5362750887870789, print_iou: 0.36637693643569946
3136 Epoch 20/499: 71%|██████| 113/160 [11:49<04:52, 6.21s/it]print_dice: 0.
6036388874053955, print_iou: 0.4322942793369293
3137 print_dice: 0.5171812176704407, print_iou: 0.348782479763031
3138 Epoch 20/499: 72%|██████| 115/160 [12:01<04:38, 6.19s/it]print_dice: 0.
5285700559616089, print_iou: 0.35922205448150635
3139 print_dice: 0.6442708373069763, print_iou: 0.4752209484577179
3140 Epoch 20/499: 73%|██████| 117/160 [12:14<04:29, 6.27s/it]print_dice: 0.
5847617983818054, print_iou: 0.41318967938423157
3141 Epoch 20/499: 74%|██████| 118/160 [12:20<04:23, 6.28s/it]print_dice: 0.
5095009803771973, print_iou: 0.3418324887752533
3142 Epoch 20/499: 74%|██████| 119/160 [12:26<04:17, 6.28s/it]print_dice: 0.
5683720707893372, print_iou: 0.39701104164123535
3143 Epoch 20/499: 75%|██████| 120/160 [12:32<04:09, 6.23s/it]print_dice: 0.
5590071678161621, print_iou: 0.3879319429397583
3144 Epoch 20/499: 76%|██████| 121/160 [12:39<04:03, 6.25s/it]print_dice: 0.
5325778722763062, print_iou: 0.3629343509674072
3145 Epoch 20/499: 76%|██████| 122/160 [12:45<03:56, 6.23s/it]print_dice: 0.

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3145 5531920194625854, print_iou: 0.3823534846305847
3146 Epoch 20/499: 77%|██████████| 123/160 [12:51<03:49, 6.21s/it]print_dice: 0.
48881229758262634, print_iou: 0.3234623372554779
3147 Epoch 20/499: 78%|██████████| 124/160 [12:57<03:44, 6.23s/it]print_dice: 0.
4952468276023865, print_iou: 0.3291216492652893
3148 Epoch 20/499: 78%|██████████| 125/160 [13:04<03:40, 6.30s/it]print_dice: 0.
5564952492713928, print_iou: 0.3855167329311371
3149 Epoch 20/499: 79%|██████████| 126/160 [13:10<03:34, 6.30s/it]print_dice: 0.
5194502472877502, print_iou: 0.35084956884384155
3150 Epoch 20/499: 79%|██████████| 127/160 [13:16<03:27, 6.28s/it]print_dice: 0.
6240348815917969, print_iou: 0.45352521538734436
3151 Epoch 20/499: 80%|██████████| 128/160 [13:22<03:20, 6.27s/it]print_dice: 0.
4691947102546692, print_iou: 0.3065018951892853
3152 print_dice: 0.5501944422721863, print_iou: 0.3794953525066376
3153 Epoch 20/499: 81%|██████████| 130/160 [13:35<03:06, 6.21s/it]print_dice: 0.
5855833292007446, print_iou: 0.41401049494743347
3154 Epoch 20/499: 82%|██████████| 131/160 [13:41<03:00, 6.23s/it]print_dice: 0.
44577303528785706, print_iou: 0.286813348531723
3155 print_dice: 0.49877747893333435, print_iou: 0.3322475254535675
3156 Epoch 20/499: 83%|██████████| 133/160 [13:54<02:49, 6.28s/it]print_dice: 0.
5911965370178223, print_iou: 0.41964444518089294
3157 Epoch 20/499: 84%|██████████| 134/160 [14:00<02:45, 6.36s/it]print_dice: 0.
5401806235313416, print_iou: 0.37003251910209656
3158 print_dice: 0.4225865602493286, print_iou: 0.26789841055870056
3159 Epoch 20/499: 85%|██████████| 136/160 [14:13<02:30, 6.26s/it]print_dice: 0.
5095604062080383, print_iou: 0.3418859541416168
3160 print_dice: 0.5138611197471619, print_iou: 0.3457692265510559
3161 Epoch 20/499: 86%|██████████| 138/160 [14:25<02:17, 6.24s/it]print_dice: 0.
5120272636413574, print_iou: 0.3441106081008911
3162 Epoch 20/499: 87%|██████████| 139/160 [14:31<02:10, 6.22s/it]print_dice: 0.541195273399353
, print_iou: 0.3709854185581207
3163 Epoch 20/499: 88%|██████████| 140/160 [14:37<02:04, 6.21s/it]print_dice: 0.
6010130643844604, print_iou: 0.4296059310436249
3164 Epoch 20/499: 88%|██████████| 141/160 [14:44<01:59, 6.26s/it]print_dice: 0.
5464513301849365, print_iou: 0.3759429454803467
3165 print_dice: 0.5278136134147644, print_iou: 0.3585236668586731
3166 Epoch 20/499: 89%|██████████| 143/160 [14:56<01:46, 6.25s/it]print_dice: 0.563783586025238
, print_iou: 0.3925478160381317
3167 Epoch 20/499: 90%|██████████| 144/160 [15:02<01:40, 6.25s/it]print_dice: 0.
4680628180503845, print_iou: 0.30553653836250305
3168 Epoch 20/499: 91%|██████████| 145/160 [15:09<01:33, 6.24s/it]print_dice: 0.
5785567760467529, print_iou: 0.407020628452301
3169 Epoch 20/499: 91%|██████████| 146/160 [15:15<01:27, 6.22s/it]print_dice: 0.
4436149001121521, print_iou: 0.28502899408340454
3170 Epoch 20/499: 92%|██████████| 147/160 [15:21<01:20, 6.23s/it]print_dice: 0.554458498954773
, print_iou: 0.3835645616054535
3171 Epoch 20/499: 92%|██████████| 148/160 [15:27<01:14, 6.18s/it]print_dice: 0.
5488298535346985, print_iou: 0.37819814682006836
3172 Epoch 20/499: 93%|██████████| 149/160 [15:33<01:07, 6.16s/it]print_dice: 0.
5431624054908752, print_iou: 0.3728366196155548
3173 Epoch 20/499: 94%|██████████| 150/160 [15:39<01:01, 6.18s/it]print_dice: 0.
5199841260910034, print_iou: 0.35133686661720276
3174 Epoch 20/499: 94%|██████████| 151/160 [15:46<00:55, 6.22s/it]print_dice: 0.471146821975708
, print_iou: 0.3081700801849365
3175 Epoch 20/499: 95%|██████████| 152/160 [15:52<00:49, 6.22s/it]print_dice: 0.
5033174753189087, print_iou: 0.336288720369339
3176 Epoch 20/499: 96%|██████████| 153/160 [15:58<00:43, 6.21s/it]print_dice: 0.
6183985471725464, print_iou: 0.4475954473018646
3177 print_dice: 0.5397816300392151, print_iou: 0.3696581721305847
3178 Epoch 20/499: 97%|██████████| 155/160 [16:11<00:31, 6.25s/it]print_dice: 0.
5513518452644348, print_iou: 0.38059747219085693
3179 Epoch 20/499: 98%|██████████| 156/160 [16:17<00:24, 6.25s/it]print_dice: 0.
46810007095336914, print_iou: 0.30556830763816833
3180 print_dice: 0.5062686204910278, print_iou: 0.33892881870269775
3181 Epoch 20/499: 99%|██████████| 158/160 [16:29<00:12, 6.22s/it]print_dice: 0.
5457837581634521, print_iou: 0.37531131505966187
3182 Epoch 20/499: 99%|██████████| 159/160 [16:35<00:06, 6.18s/it]print_dice: 0.
5158007740974426, print_iou: 0.34752801060676575
3183 Epoch 20/499: 100%|██████████| 160/160 [16:42<00:00, 6.18s/it]print_dice: 0.

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3183 5529876351356506, print_iou: 0.38215819001197815
3184 [159/160] eta: 0:00:06 time: 6.2137 data: 0.0004
3185 Total time: 0:16:42 (6.2685 s / it)
3186 Averaged stats: training_loss: 372.1199 (372.1199) loss_mask: 371.5182 (371.5182)
      loss_dice: 0.6017 (0.6017)
3187 Epoch 20/499: 100%|██████████| 160/160 [16:42<00:00, 6.27s/it]
3188 Net parameter norm: 1053.8334340977017
3189 Validating...
3190 Valid_dataloader len: 12
3191 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
      sigmoid values: tensor([3.4452e-04, 3.4699e-04, 3.4877e-04, ..., 1.0000e+00, 1.0000e+00,
3192      1.0000e+00], grad_fn=<Unique2Backward0>)
3193 print_dice: 0.5669981837272644, print_iou: 0.39567163586616516
3194 [ 0/12] eta: 0:01:47 time: 8.9252 data: 4.7885
3195 8%|███████| 1/12 [00:08<01:38, 8.92s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([3.4422e-04, 3.4706e-04, 3.4892e-04, ..., 1.0000e+00, 1.
      0000e+00,
3196      1.0000e+00], grad_fn=<Unique2Backward0>)
3197 17%|███████| 2/12 [00:13<01:02, 6.22s/it]print_dice: 0.6086779236793518, print_iou: 0.
      43748167157173157
3198 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.1965e-04, 3.
      4030e-04, 3.4265e-04, ..., 1.0000e+00, 1.0000e+00,
3199      1.0000e+00], grad_fn=<Unique2Backward0>)
3200 25%|███████| 3/12 [00:17<00:47, 5.32s/it]print_dice: 0.53436279296875, print_iou: 0.
      3645941913127899
3201 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([4.4330e-04, 4.
      5361e-04, 4.6268e-04, ..., 1.0000e+00, 1.0000e+00,
3202      1.0000e+00], grad_fn=<Unique2Backward0>)
3203 print_dice: 0.5273351669311523, print_iou: 0.35808226466178894
3204 33%|███████| 4/12 [00:21<00:39, 4.93s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([3.1309e-04, 3.2513e-04, 3.2963e-04, ..., 1.0000e+00, 1.
      0000e+00,
3205      1.0000e+00], grad_fn=<Unique2Backward0>)
3206 print_dice: 0.5761576890945435, print_iou: 0.404649943113327
3207 42%|███████| 5/12 [00:25<00:32, 4.65s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([1.9885e-04, 2.0615e-04, 2.0713e-04, ..., 1.0000e+00, 1.
      0000e+00,
3208      1.0000e+00], grad_fn=<Unique2Backward0>)
3209 50%|███████| 6/12 [00:30<00:26, 4.49s/it]print_dice: 0.5141640305519104, print_iou: 0.
      3460436165332794
3210 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0011, 0.0011
      , 0.0011, ..., 1.0000, 1.0000, 1.0000],
3211      grad_fn=<Unique2Backward0>)
3212 58%|███████| 7/12 [00:34<00:22, 4.43s/it]print_dice: 0.4508358836174011, print_iou: 0.
      2910187840461731
3213 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.7468e-04, 8.
      0519e-04, 8.0669e-04, ..., 9.9995e-01, 9.9995e-01,
3214      9.9995e-01], grad_fn=<Unique2Backward0>)
3215 67%|███████| 8/12 [00:38<00:17, 4.30s/it]print_dice: 0.5457221865653992, print_iou: 0.
      3752530515193939
3216 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.1458e-04, 3.
      1785e-04, 3.2136e-04, ..., 1.0000e+00, 1.0000e+00,
3217      1.0000e+00], grad_fn=<Unique2Backward0>)
3218 75%|███████| 9/12 [00:42<00:12, 4.25s/it]print_dice: 0.5657070279121399, print_iou: 0.
      3944152593612671
3219 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.4453e-04, 3.
      4691e-04, 3.4867e-04, ..., 1.0000e+00, 1.0000e+00,
3220      1.0000e+00], grad_fn=<Unique2Backward0>)
3221 83%|███████| 10/12 [00:46<00:08, 4.22s/it]print_dice: 0.5844128727912903, print_iou: 0
      .4128413498401642
3222 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.2185e-04, 7.
      3674e-04, 7.4554e-04, ..., 9.9996e-01, 9.9996e-01,
3223      9.9996e-01], grad_fn=<Unique2Backward0>)
3224 92%|███████| 11/12 [00:50<00:04, 4.16s/it]print_dice: 0.6197801828384399, print_iou: 0
      .44904452562332153
3225 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.4441e-04, 3.
      4698e-04, 3.4871e-04, ..., 1.0000e+00, 1.0000e+00,
3226      1.0000e+00], grad_fn=<Unique2Backward0>)
3227 100%|███████| 12/12 [00:54<00:00, 4.13s/it]print_dice: 0.5911573767662048, print_iou: 0

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3227 .41960495710372925
3228 [11/12] eta: 0:00:04 time: 4.5713 data: 0.3991
3229 100%|██████████| 12/12 [00:55<00:00, 4.61s/it]
3230 Total time: 0:00:55 (4.6131 s / it)
3231 =====
3232 Averaged stats:
3233 Epoch 21/499: 0%|          | 0/160 [00:00<?, ?it/s]come here save at work_dirs/DrSAM_b
3234 epoch: 21 learning rate: 1e-07
3235 Epoch 21/499: 1%|          | 1/160 [00:10<28:30, 10.76s/it]print_dice: 0.5384252071380615
, print_iou: 0.36838704347610474
3236 [ 0/160] eta: 0:28:41 time: 10.7598 data: 4.1796
3237 Epoch 21/499: 1%||         | 2/160 [00:17<21:23, 8.12s/it]print_dice: 0.5277838706970215
, print_iou: 0.35849618911743164
3238 Epoch 21/499: 2%||         | 3/160 [00:23<18:55, 7.23s/it]print_dice: 0.5414514541625977
, print_iou: 0.3712262213230133
3239 print_dice: 0.5234171152114868, print_iou: 0.3544786870479584
3240 Epoch 21/499: 3%||         | 5/160 [00:35<17:01, 6.59s/it]print_dice: 0.5549633502960205
, print_iou: 0.3840479552745819
3241 Epoch 21/499: 4%||         | 6/160 [00:41<16:39, 6.49s/it]print_dice: 0.5714706182479858
, print_iou: 0.4000411927700043
3242 print_dice: 0.5689119100570679, print_iou: 0.3975379765033722
3243 Epoch 21/499: 5%||         | 8/160 [00:54<15:57, 6.30s/it]print_dice: 0.4832944869995117
, print_iou: 0.3186475336551666
3244 Epoch 21/499: 6%||         | 9/160 [01:00<15:45, 6.26s/it]print_dice: 0.5958084464073181
, print_iou: 0.42430707812309265
3245 Epoch 21/499: 6%||         | 10/160 [01:06<15:33, 6.22s/it]print_dice: 0.5072870850563049
, print_iou: 0.3398423492908478
3246 Epoch 21/499: 7%||         | 11/160 [01:12<15:23, 6.20s/it]print_dice: 0.5864872932434082
, print_iou: 0.4149147868156433
3247 Epoch 21/499: 8%||         | 12/160 [01:18<15:12, 6.17s/it]print_dice: 0.5542029142379761
, print_iou: 0.3833199739456177
3248 Epoch 21/499: 8%||         | 13/160 [01:24<15:04, 6.15s/it]print_dice: 0.5491368174552917
, print_iou: 0.37848973274230957
3249 Epoch 21/499: 9%||         | 14/160 [01:31<15:00, 6.17s/it]print_dice: 0.4416826665401459
, print_iou: 0.2834356427192688
3250 Epoch 21/499: 9%||         | 15/160 [01:37<15:05, 6.24s/it]print_dice: 0.
48130008578300476, print_iou: 0.3169158697128296
3251 print_dice: 0.5311620831489563, print_iou: 0.36162063479423523
3252 Epoch 21/499: 11%||        | 17/160 [01:49<14:49, 6.22s/it]print_dice: 0.5411372184753418
, print_iou: 0.37093088030815125
3253 Epoch 21/499: 11%||        | 18/160 [01:55<14:39, 6.19s/it]print_dice: 0.5623781085014343
, print_iou: 0.391186386346817
3254 print_dice: 0.5614694952964783, print_iou: 0.3903076648712158
3255 Epoch 21/499: 12%||        | 20/160 [02:08<14:27, 6.19s/it]print_dice: 0.6017592549324036
, print_iou: 0.4303688406944275
3256 print_dice: 0.4652058482170105, print_iou: 0.3031063377857208
3257 Epoch 21/499: 14%||        | 22/160 [02:20<14:18, 6.22s/it]print_dice: 0.5088931918144226
, print_iou: 0.3412855565547943
3258 print_dice: 0.5532742738723755, print_iou: 0.3824320137500763
3259 Epoch 21/499: 15%||        | 24/160 [02:33<14:00, 6.18s/it]print_dice: 0.5656757950782776
, print_iou: 0.39438486099243164
3260 Epoch 21/499: 16%||        | 25/160 [02:39<13:53, 6.17s/it]print_dice: 0.5599101185798645
, print_iou: 0.3888022005558014
3261 print_dice: 0.6446555852890015, print_iou: 0.4756397008895874
3262 Epoch 21/499: 17%||        | 27/160 [02:51<13:42, 6.19s/it]print_dice: 0.
42687925696372986, print_iou: 0.2713582515716553
3263 Epoch 21/499: 18%||        | 28/160 [02:57<13:33, 6.17s/it]print_dice: 0.4756309390068054
, print_iou: 0.3120182454586029
3264 Epoch 21/499: 18%||        | 29/160 [03:04<13:34, 6.21s/it]print_dice: 0.5135527849197388
, print_iou: 0.34549009799957275
3265 Epoch 21/499: 19%||        | 30/160 [03:10<13:32, 6.25s/it]print_dice: 0.5920409560203552
, print_iou: 0.420495867729187
3266 print_dice: 0.4806787967681885, print_iou: 0.31637734174728394
3267 Epoch 21/499: 20%||        | 32/160 [03:22<13:10, 6.18s/it]print_dice: 0.5366133451461792
, print_iou: 0.36669281125068665
3268 print_dice: 0.5783363580703735, print_iou: 0.4068025052547455
3269 Epoch 21/499: 21%||        | 34/160 [03:35<13:04, 6.22s/it]print_dice: 0.5155962705612183
, print_iou: 0.347342312335968
3270 Epoch 21/499: 22%||        | 35/160 [03:41<12:58, 6.23s/it]print_dice: 0.5129693150520325

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3270 , print_iou: 0.3449621796607971
3271 Epoch 21/499: 22%|██████| 36/160 [03:47<12:51, 6.22s/it]print_dice: 0.4676346778869629
, print_iou: 0.30517181754112244
3272 Epoch 21/499: 23%|██████| 37/160 [03:53<12:46, 6.23s/it]print_dice: 0.4469012916088104
, print_iou: 0.28774815797805786
3273 print_dice: 0.53057461977005, print_iou: 0.3610762357711792
3274 Epoch 21/499: 24%|██████| 39/160 [04:06<12:34, 6.24s/it]print_dice: 0.
48439329862594604, print_iou: 0.3196035623550415
3275 Epoch 21/499: 25%|██████| 40/160 [04:12<12:29, 6.25s/it]print_dice: 0.5657365322113037
, print_iou: 0.39444392919540405
3276 Epoch 21/499: 26%|██████| 41/160 [04:18<12:19, 6.22s/it]print_dice: 0.6212624907493591
, print_iou: 0.4506024122238159
3277 print_dice: 0.5797247886657715, print_iou: 0.40817779302597046
3278 Epoch 21/499: 27%|██████| 43/160 [04:31<12:13, 6.27s/it]print_dice: 0.54584139585495
, print_iou: 0.3753657639026642
3279 Epoch 21/499: 28%|██████| 44/160 [04:37<12:10, 6.30s/it]print_dice: 0.5557048916816711
, print_iou: 0.38475853204727173
3280 print_dice: 0.5560081005096436, print_iou: 0.38504931330680847
3281 Epoch 21/499: 29%|██████| 46/160 [04:50<12:01, 6.33s/it]print_dice: 0.5102372765541077
, print_iou: 0.3424956798553467
3282 Epoch 21/499: 29%|██████| 47/160 [04:56<11:49, 6.28s/it]print_dice: 0.5390908122062683
, print_iou: 0.36901047825813293
3283 Epoch 21/499: 30%|██████| 48/160 [05:02<11:37, 6.23s/it]print_dice: 0.5068512558937073
, print_iou: 0.33945131301879883
3284 print_dice: 0.5231013298034668, print_iou: 0.35418906807899475
3285 Epoch 21/499: 31%|██████| 50/160 [05:15<11:19, 6.18s/it]print_dice: 0.5784376859664917
, print_iou: 0.40690281987190247
3286 Epoch 21/499: 32%|██████| 51/160 [05:21<11:12, 6.17s/it]print_dice: 0.6172426342964172
, print_iou: 0.44638538360595703
3287 print_dice: 0.5399435758590698, print_iou: 0.3698101043701172
3288 Epoch 21/499: 33%|██████| 53/160 [05:33<11:05, 6.22s/it]print_dice: 0.5343922972679138
, print_iou: 0.364621639251709
3289 Epoch 21/499: 34%|██████| 54/160 [05:39<10:56, 6.19s/it]print_dice: 0.5092282295227051
, print_iou: 0.34158697724342346
3290 Epoch 21/499: 34%|██████| 55/160 [05:45<10:47, 6.16s/it]print_dice: 0.5905894041061401
, print_iou: 0.41903287172317505
3291 Epoch 21/499: 35%|██████| 56/160 [05:52<10:43, 6.19s/it]print_dice: 0.494193434715271
, print_iou: 0.3281918466091156
3292 Epoch 21/499: 36%|██████| 57/160 [05:58<10:37, 6.19s/it]print_dice: 0.5383639335632324
, print_iou: 0.3683297038078308
3293 Epoch 21/499: 36%|██████| 58/160 [06:04<10:31, 6.19s/it]print_dice: 0.5135823488235474
, print_iou: 0.3455168604850769
3294 Epoch 21/499: 37%|██████| 59/160 [06:10<10:28, 6.22s/it]print_dice: 0.5471848249435425
, print_iou: 0.37663763761520386
3295 print_dice: 0.5140677690505981, print_iou: 0.345956414937973
3296 Epoch 21/499: 38%|██████| 61/160 [06:23<10:23, 6.29s/it]print_dice: 0.5307789444923401
, print_iou: 0.36126554012298584
3297 Epoch 21/499: 39%|██████| 62/160 [06:29<10:17, 6.31s/it]print_dice: 0.5138318538665771
, print_iou: 0.34574273228645325
3298 print_dice: 0.5455112457275391, print_iou: 0.37505361437797546
3299 Epoch 21/499: 40%|██████| 64/160 [06:42<10:05, 6.31s/it]print_dice: 0.5620346069335938
, print_iou: 0.39085403084754944
3300 Epoch 21/499: 41%|██████| 65/160 [06:48<09:54, 6.25s/it]print_dice: 0.4749352037906647
, print_iou: 0.31141966581344604
3301 print_dice: 0.5096849799156189, print_iou: 0.3419981598854065
3302 Epoch 21/499: 42%|██████| 67/160 [07:01<09:36, 6.20s/it]print_dice: 0.5148984789848328
, print_iou: 0.3467092514038086
3303 Epoch 21/499: 42%|██████| 68/160 [07:07<09:34, 6.24s/it]print_dice: 0.5238054990768433
, print_iou: 0.35483503341674805
3304 Epoch 21/499: 43%|██████| 69/160 [07:13<09:26, 6.23s/it]print_dice: 0.4885738790035248
, print_iou: 0.3232535719871521
3305 print_dice: 0.5181769728660583, print_iou: 0.349688857793808
3306 Epoch 21/499: 44%|██████| 71/160 [07:26<09:15, 6.24s/it]print_dice: 0.51439368724823
, print_iou: 0.3462516963481903
3307 Epoch 21/499: 45%|██████| 72/160 [07:32<09:09, 6.25s/it]print_dice: 0.
49834683537483215, print_iou: 0.33186545968055725
3308 Epoch 21/499: 46%|██████| 73/160 [07:38<09:09, 6.32s/it]print_dice: 0.
48974674940109253, print_iou: 0.3242812156677246
3309 Epoch 21/499: 46%|██████| 74/160 [07:44<08:57, 6.25s/it]print_dice: 0.4654754102230072

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3309 , print_iou: 0.3033352494239807
3310 print_dice: 0.5617782473564148, print_iou: 0.3906061351299286
3311 Epoch 21/499: 48%|██████| 76/160 [07:57<08:38, 6.17s/it]print_dice: 0.5692498087882996
, print_iou: 0.3978680372238159
3312 Epoch 21/499: 48%|██████| 77/160 [08:03<08:35, 6.21s/it]print_dice: 0.5336665511131287
, print_iou: 0.36394625902175903
3313 Epoch 21/499: 49%|██████| 78/160 [08:09<08:31, 6.24s/it]print_dice: 0.
49260812997817993, print_iou: 0.32679498195648193
3314 Epoch 21/499: 49%|██████| 79/160 [08:16<08:27, 6.27s/it]print_dice: 0.5532425045967102
, print_iou: 0.3824016749858856
3315 Epoch 21/499: 50%|██████| 80/160 [08:22<08:16, 6.21s/it]print_dice: 0.5791250467300415
, print_iou: 0.40758341550827026
3316 print_dice: 0.5657872557640076, print_iou: 0.3944932818412781
3317 Epoch 21/499: 51%|██████| 82/160 [08:34<08:06, 6.23s/it]print_dice: 0.559111475944519
, print_iou: 0.3880324363708496
3318 Epoch 21/499: 52%|██████| 83/160 [08:40<07:59, 6.22s/it]print_dice: 0.5005722045898438
, print_iou: 0.3338421881198883
3319 Epoch 21/499: 52%|██████| 84/160 [08:46<07:51, 6.20s/it]print_dice: 0.541598379611969
, print_iou: 0.3713643252849579
3320 Epoch 21/499: 53%|██████| 85/160 [08:53<07:43, 6.17s/it]print_dice: 0.5721476078033447
, print_iou: 0.4007050096988678
3321 Epoch 21/499: 54%|██████| 86/160 [08:59<07:35, 6.16s/it]print_dice: 0.5200205445289612
, print_iou: 0.35137009620666504
3322 Epoch 21/499: 54%|██████| 87/160 [09:05<07:29, 6.16s/it]print_dice: 0.
49196499586105347, print_iou: 0.32622915506362915
3323 Epoch 21/499: 55%|██████| 88/160 [09:11<07:24, 6.17s/it]print_dice: 0.6161468029022217
, print_iou: 0.44523999094963074
3324 Epoch 21/499: 56%|██████| 89/160 [09:17<07:16, 6.14s/it]print_dice: 0.5247834920883179
, print_iou: 0.3557332158088684
3325 Epoch 21/499: 56%|██████| 90/160 [09:23<07:09, 6.13s/it]print_dice: 0.600052535533905
, print_iou: 0.4286250174045563
3326 print_dice: 0.5979348421096802, print_iou: 0.4264672100543976
3327 Epoch 21/499: 57%|██████| 92/160 [09:36<07:01, 6.19s/it]print_dice: 0.5016419887542725
, print_iou: 0.3347944915294647
3328 print_dice: 0.520063579082489, print_iou: 0.351409375667572
3329 Epoch 21/499: 59%|██████| 94/160 [09:48<06:50, 6.22s/it]print_dice: 0.5803957581520081
, print_iou: 0.40884333848953247
3330 Epoch 21/499: 59%|██████| 95/160 [09:55<06:45, 6.24s/it]print_dice: 0.6032484769821167
, print_iou: 0.431893914937973
3331 Epoch 21/499: 60%|██████| 96/160 [10:01<06:40, 6.25s/it]print_dice: 0.5303511619567871
, print_iou: 0.36086928844451904
3332 Epoch 21/499: 61%|██████| 97/160 [10:07<06:33, 6.25s/it]print_dice: 0.461569219827652
, print_iou: 0.30002596974372864
3333 Epoch 21/499: 61%|██████| 98/160 [10:13<06:27, 6.25s/it]print_dice: 0.54682856798172
, print_iou: 0.3763000965118408
3334 print_dice: 0.4526309370994568, print_iou: 0.29251646995544434
3335 Epoch 21/499: 62%|██████| 100/160 [10:26<06:16, 6.27s/it]print_dice: 0.
5209318399429321, print_iou: 0.35220271348953247
3336 Epoch 21/499: 63%|██████| 101/160 [10:32<06:08, 6.24s/it]print_dice: 0.
4873034656047821, print_iou: 0.32214224338531494
3337 [100/160] eta: 0:06:15 time: 6.2143 data: 0.0007
3338 Epoch 21/499: 64%|██████| 102/160 [10:38<06:00, 6.21s/it]print_dice: 0.
5032538175582886, print_iou: 0.33623188734054565
3339 Epoch 21/499: 64%|██████| 103/160 [10:44<05:52, 6.19s/it]print_dice: 0.
5382854342460632, print_iou: 0.36825618147850037
3340 Epoch 21/499: 65%|██████| 104/160 [10:50<05:46, 6.18s/it]print_dice: 0.
5468693375587463, print_iou: 0.3763387203216553
3341 print_dice: 0.4794043004512787, print_iou: 0.3152740001678467
3342 Epoch 21/499: 66%|██████| 106/160 [11:03<05:37, 6.24s/it]print_dice: 0.
47054144740104675, print_iou: 0.3076522946357727
3343 Epoch 21/499: 67%|██████| 107/160 [11:10<05:36, 6.36s/it]print_dice: 0.
5333518385887146, print_iou: 0.36365360021591187
3344 Epoch 21/499: 68%|██████| 108/160 [11:16<05:33, 6.41s/it]print_dice: 0.
5207101106643677, print_iou: 0.35200005769729614
3345 print_dice: 0.4366537928581238, print_iou: 0.27930715680122375
3346 Epoch 21/499: 69%|██████| 110/160 [11:29<05:16, 6.34s/it]print_dice: 0.
5363989472389221, print_iou: 0.3664926290512085
3347 Epoch 21/499: 69%|██████| 111/160 [11:35<05:09, 6.31s/it]print_dice: 0.
5582249760627747, print_iou: 0.3871789574623108

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3348 Epoch 21/499: 70%|███████| 112/160 [11:41<05:00, 6.25s/it]print_dice: 0.4511112570762634, print_iou: 0.2912483215332031
3349 Epoch 21/499: 71%|███████| 113/160 [11:47<04:53, 6.25s/it]print_dice: 0.49606457352638245, print_iou: 0.32984432578086853
3350 Epoch 21/499: 71%|███████| 114/160 [11:54<04:45, 6.20s/it]print_dice: 0.5429877042770386, print_iou: 0.3726719915866852
3351 Epoch 21/499: 72%|███████| 115/160 [12:00<04:40, 6.23s/it]print_dice: 0.6072288751602173, print_iou: 0.43598613142967224
3352 Epoch 21/499: 72%|███████| 116/160 [12:06<04:33, 6.23s/it]print_dice: 0.4885713756084442, print_iou: 0.3232513666152954
3353 print_dice: 0.5455108880996704, print_iou: 0.3750532567501068
3354 Epoch 21/499: 74%|███████| 118/160 [12:18<04:19, 6.18s/it]print_dice: 0.5902947783470154, print_iou: 0.4187363386154175
3355 Epoch 21/499: 74%|███████| 119/160 [12:24<04:13, 6.18s/it]print_dice: 0.5409047603607178, print_iou: 0.37071242928504944
3356 Epoch 21/499: 75%|███████| 120/160 [12:31<04:06, 6.17s/it]print_dice: 0.44083109498023987, print_iou: 0.2827346622943878
3357 print_dice: 0.4884945750236511, print_iou: 0.32318413257598877
3358 Epoch 21/499: 76%|███████| 122/160 [12:43<03:55, 6.19s/it]print_dice: 0.5012069344520569, print_iou: 0.3344070315361023
3359 print_dice: 0.5102917551994324, print_iou: 0.3425447940826416
3360 Epoch 21/499: 78%|███████| 124/160 [12:55<03:42, 6.18s/it]print_dice: 0.4879111647605896, print_iou: 0.32267361879348755
3361 print_dice: 0.4192239046096802, print_iou: 0.2652013301849365
3362 Epoch 21/499: 79%|███████| 126/160 [13:08<03:29, 6.15s/it]print_dice: 0.4266609847545624, print_iou: 0.2711818516254425
3363 Epoch 21/499: 79%|███████| 127/160 [13:14<03:23, 6.18s/it]print_dice: 0.5213130116462708, print_iou: 0.35255128145217896
3364 Epoch 21/499: 80%|███████| 128/160 [13:20<03:17, 6.18s/it]print_dice: 0.5921244621276855, print_iou: 0.420580118894577
3365 Epoch 21/499: 81%|███████| 129/160 [13:26<03:11, 6.18s/it]print_dice: 0.5506106615066528, print_iou: 0.3798914849758148
3366 Epoch 21/499: 81%|███████| 130/160 [13:32<03:05, 6.18s/it]print_dice: 0.5110025405883789, print_iou: 0.3431856632232666
3367 Epoch 21/499: 82%|███████| 131/160 [13:39<02:59, 6.19s/it]print_dice: 0.6076712012290955, print_iou: 0.4364422857761383
3368 Epoch 21/499: 82%|███████| 132/160 [13:45<02:53, 6.18s/it]print_dice: 0.526192843914032, print_iou: 0.35702961683273315
3369 print_dice: 0.5144641399383545, print_iou: 0.34631553292274475
3370 Epoch 21/499: 84%|███████| 134/160 [13:57<02:41, 6.21s/it]print_dice: 0.48482033610343933, print_iou: 0.31997546553611755
3371 Epoch 21/499: 84%|███████| 135/160 [14:03<02:34, 6.19s/it]print_dice: 0.4588261842727661, print_iou: 0.29771214723587036
3372 Epoch 21/499: 85%|███████| 136/160 [14:10<02:28, 6.20s/it]print_dice: 0.5336478352546692, print_iou: 0.36392882466316223
3373 print_dice: 0.5684349536895752, print_iou: 0.39707237482070923
3374 Epoch 21/499: 86%|███████| 138/160 [14:22<02:15, 6.16s/it]print_dice: 0.5045257210731506, print_iou: 0.337368369102478
3375 Epoch 21/499: 87%|███████| 139/160 [14:28<02:10, 6.21s/it]print_dice: 0.5213781595230103, print_iou: 0.35261091589927673
3376 Epoch 21/499: 88%|███████| 140/160 [14:34<02:04, 6.21s/it]print_dice: 0.6016874313354492, print_iou: 0.4302953779697418
3377 Epoch 21/499: 88%|███████| 141/160 [14:41<01:58, 6.22s/it]print_dice: 0.5071253776550293, print_iou: 0.3396972417831421
3378 Epoch 21/499: 89%|███████| 142/160 [14:47<01:52, 6.25s/it]print_dice: 0.5724707841873169, print_iou: 0.40102213621139526
3379 print_dice: 0.5682694315910339, print_iou: 0.3969108760356903
3380 Epoch 21/499: 90%|███████| 144/160 [14:59<01:39, 6.21s/it]print_dice: 0.5351061224937439, print_iou: 0.36528658866882324
3381 Epoch 21/499: 91%|███████| 145/160 [15:06<01:33, 6.21s/it]print_dice: 0.5484098792076111, print_iou: 0.3777993619441986
3382 Epoch 21/499: 91%|███████| 146/160 [15:12<01:27, 6.26s/it]print_dice: 0.545523464679718, print_iou: 0.3750651776790619
3383 Epoch 21/499: 92%|███████| 147/160 [15:18<01:21, 6.24s/it]print_dice: 0.5470417141914368, print_iou: 0.37650203704833984
3384 Epoch 21/499: 92%|███████| 148/160 [15:24<01:14, 6.21s/it]print_dice: 0.47232529520988464, print_iou: 0.30917924642562866
3385 Epoch 21/499: 93%|███████| 149/160 [15:31<01:08, 6.25s/it]print_dice: 0.48105284571647644, print_iou: 0.3167015016078949

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3386 Epoch 21/499: 94%|██████████| 150/160 [15:37<01:02, 6.27s/it]print_dice: 0.
4715173542499542, print_iou: 0.3084872364997864
3387 Epoch 21/499: 94%|██████████| 151/160 [15:43<00:56, 6.26s/it]print_dice: 0.
5857347249984741, print_iou: 0.4141618609428406
3388 print_dice: 0.5536542534828186, print_iou: 0.38279521465301514
3389 Epoch 21/499: 96%|██████████| 153/160 [15:56<00:43, 6.27s/it]print_dice: 0.
5344478487968445, print_iou: 0.36467334628105164
3390 print_dice: 0.5179853439331055, print_iou: 0.34951430559158325
3391 Epoch 21/499: 97%|██████████| 155/160 [16:08<00:31, 6.26s/it]print_dice: 0.
5868499279022217, print_iou: 0.4152778685092926
3392 Epoch 21/499: 98%|██████████| 156/160 [16:15<00:25, 6.26s/it]print_dice: 0.
4790251553058624, print_iou: 0.31494614481925964
3393 Epoch 21/499: 98%|██████████| 157/160 [16:21<00:18, 6.31s/it]print_dice: 0.
4510082006454468, print_iou: 0.2911624312400818
3394 Epoch 21/499: 99%|██████████| 158/160 [16:27<00:12, 6.32s/it]print_dice: 0.586484968662262
, print_iou: 0.41491246223449707
3395 Epoch 21/499: 99%|██████████| 159/160 [16:33<00:06, 6.23s/it]print_dice: 0.
49364250898361206, print_iou: 0.32770609855651855
3396 Epoch 21/499: 100%|██████████| 160/160 [16:39<00:00, 6.18s/it]print_dice: 0.
5416733622550964, print_iou: 0.37143486738204956
3397 [159/160] eta: 0:00:06 time: 6.2436 data: 0.0005
3398 Total time: 0:16:40 (6.2543 s / it)
3399 Averaged stats: training_loss: -395.4779 (-395.4779) loss_mask: -395.5199 (-395.5199)
loss_dice: 0.0420 (0.0420)
3400 Epoch 21/499: 100%|██████████| 160/160 [16:40<00:00, 6.25s/it]
3401 Net parameter norm: 1053.8337940325728
3402 Validating...
3403 Valid_dataloader len: 12
3404 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
sigmoid values: tensor([3.3665e-04, 3.3790e-04, 3.3811e-04, ..., 1.0000e+00, 1.0000e+00,
3405 1.0000e+00], grad_fn=<Unique2Backward0>)
3406 8%|██████████| 1/12 [00:09<01:39, 9.01s/it]print_dice: 0.5696214437484741, print_iou: 0.
39823126792907715
3407 [ 0/12] eta: 0:01:48 time: 9.0138 data: 4.8415
3408 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.3637e-04, 3.
3800e-04, 3.3815e-04, ..., 1.0000e+00, 1.0000e+00,
3409 1.0000e+00], grad_fn=<Unique2Backward0>)
3410 17%|██████████| 2/12 [00:13<01:01, 6.19s/it]print_dice: 0.6112891435623169, print_iou: 0.
4401845932006836
3411 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.1281e-04, 3.
3532e-04, 3.3534e-04, ..., 1.0000e+00, 1.0000e+00,
3412 1.0000e+00], grad_fn=<Unique2Backward0>)
3413 25%|██████████| 3/12 [00:17<00:47, 5.26s/it]print_dice: 0.5362054109573364, print_iou: 0.
3663119077682495
3414 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([4.3510e-04, 4.
4850e-04, 4.5694e-04, ..., 1.0000e+00, 1.0000e+00,
3415 1.0000e+00], grad_fn=<Unique2Backward0>)
3416 33%|██████████| 4/12 [00:21<00:38, 4.83s/it]print_dice: 0.5269861221313477, print_iou: 0.
3577604591846466
3417 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.3668e-04, 3.
3793e-04, 3.3815e-04, ..., 1.0000e+00, 1.0000e+00,
3418 1.0000e+00], grad_fn=<Unique2Backward0>)
3419 42%|██████████| 5/12 [00:25<00:32, 4.62s/it]print_dice: 0.5876207947731018, print_iou: 0.
4160502851009369
3420 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.9941e-04, 2.
0164e-04, 2.0370e-04, ..., 1.0000e+00, 1.0000e+00,
3421 1.0000e+00], grad_fn=<Unique2Backward0>)
3422 50%|██████████| 6/12 [00:30<00:26, 4.48s/it]print_dice: 0.5158103704452515, print_iou: 0.
34753671288490295
3423 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0016, 0.0017
, 0.0017, ..., 0.9999, 0.9999, 0.9999],
3424 grad_fn=<Unique2Backward0>)
3425 58%|██████████| 7/12 [00:34<00:22, 4.43s/it]print_dice: 0.4434634745121002, print_iou: 0.
28490400314331055
3426 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0011, 0.0012
, 0.0013, ..., 0.9999, 0.9999, 0.9999],
3427 grad_fn=<Unique2Backward0>)
3428 print_dice: 0.5489039421081543, print_iou: 0.3782685101032257
3429 67%|██████████| 8/12 [00:38<00:17, 4.31s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32

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3429 ]) unique sigmoid values: tensor([3.0794e-04, 3.1144e-04, 3.1250e-04, ..., 1.0000e+00, 1.
      0000e+00,
3430      1.0000e+00], grad_fn=<Unique2Backward0>)
3431 print_dice: 0.5677872896194458, print_iou: 0.3964405953884125
3432 75%|███████ | 9/12 [00:42<00:12, 4.25s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([8.1670e-04, 8.4865e-04, 8.5232e-04, ..., 9.9996e-01, 9.
      9996e-01,
3433      9.9996e-01], grad_fn=<Unique2Backward0>)
3434 83%|███████ | 10/12 [00:46<00:08, 4.18s/it]print_dice: 0.581032931804657, print_iou: 0.
      40947598218917847
3435 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.5864e-04, 9.
      0476e-04, 9.4721e-04, ..., 9.9997e-01, 9.9997e-01,
3436      9.9997e-01], grad_fn=<Unique2Backward0>)
3437 print_dice: 0.6160145401954651, print_iou: 0.44510185718536377
3438 92%|███████ | 11/12 [00:50<00:04, 4.13s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([3.3652e-04, 3.3780e-04, 3.3804e-04, ..., 1.0000e+00, 1.
      0000e+00,
3439      1.0000e+00], grad_fn=<Unique2Backward0>)
3440 100%|███████| 12/12 [00:54<00:00, 4.12s/it]print_dice: 0.5915244221687317, print_iou: 0
      .4199749529361725
3441 [11/12] eta: 0:00:04 time: 4.5551 data: 0.4039
3442 100%|███████| 12/12 [00:55<00:00, 4.59s/it]
3443 Total time: 0:00:55 (4.5935 s / it)
3444 =====
3445 Averaged stats:
3446 Epoch 22/499: 0%| | 0/160 [00:00<?, ?it/s]epoch: 22 learning rate: 1e-07
3447 Epoch 22/499: 1%| | 1/160 [00:10<27:24, 10.34s/it]print_dice: 0.5526058077812195
      , print_iou: 0.3817935883998871
3448 [ 0/160] eta: 0:27:34 time: 10.3419 data: 3.9995
3449 Epoch 22/499: 1%|| | 2/160 [00:16<20:37, 7.83s/it]print_dice: 0.5572816729545593
      , print_iou: 0.38627198338508606
3450 print_dice: 0.5789048671722412, print_iou: 0.4073653519153595
3451 Epoch 22/499: 2%|| | 4/160 [00:28<17:25, 6.70s/it]print_dice: 0.5407335758209229
      , print_iou: 0.3705516457557678
3452 print_dice: 0.46746310591697693, print_iou: 0.30502569675445557
3453 Epoch 22/499: 4%|| | 6/160 [00:41<16:24, 6.40s/it]print_dice: 0.5404484272003174
      , print_iou: 0.3702838718891144
3454 Epoch 22/499: 4%|| | 7/160 [00:47<16:13, 6.36s/it]print_dice: 0.5558379292488098
      , print_iou: 0.38488608598709106
3455 Epoch 22/499: 5%|| | 8/160 [00:53<16:00, 6.32s/it]print_dice: 0.45068955421447754
      , print_iou: 0.29089686274528503
3456 Epoch 22/499: 6%|| | 9/160 [00:59<15:56, 6.33s/it]print_dice: 0.5461322069168091
      , print_iou: 0.3756408989429474
3457 print_dice: 0.519616961479187, print_iou: 0.35100170969963074
3458 Epoch 22/499: 7%|| | 11/160 [01:12<15:41, 6.32s/it]print_dice: 0.
      49562665820121765, print_iou: 0.32945722341537476
3459 print_dice: 0.49495968222618103, print_iou: 0.32886803150177
3460 Epoch 22/499: 8%|| | 13/160 [01:25<15:22, 6.28s/it]print_dice: 0.5596283078193665
      , print_iou: 0.3885304629802704
3461 print_dice: 0.5825831294059753, print_iou: 0.4110174775123596
3462 Epoch 22/499: 9%|| | 15/160 [01:37<15:06, 6.25s/it]print_dice: 0.5870474576950073
      , print_iou: 0.4154756963253021
3463 Epoch 22/499: 10%|| | 16/160 [01:43<14:59, 6.25s/it]print_dice: 0.4982176125049591
      , print_iou: 0.33175086975097656
3464 Epoch 22/499: 11%|| | 17/160 [01:50<14:59, 6.29s/it]print_dice: 0.508361279964447
      , print_iou: 0.3408072292804718
3465 Epoch 22/499: 11%|| | 18/160 [01:56<14:49, 6.27s/it]print_dice: 0.5591744184494019
      , print_iou: 0.38809308409690857
3466 print_dice: 0.5456790328025818, print_iou: 0.37521225214004517
3467 Epoch 22/499: 12%|| | 20/160 [02:08<14:34, 6.25s/it]print_dice: 0.5145469903945923
      , print_iou: 0.34639060497283936
3468 Epoch 22/499: 13%|| | 21/160 [02:14<14:26, 6.23s/it]print_dice: 0.5229180455207825
      , print_iou: 0.35402098298072815
3469 Epoch 22/499: 14%|| | 22/160 [02:21<14:18, 6.22s/it]print_dice: 0.5414124727249146
      , print_iou: 0.37118956446647644
3470 print_dice: 0.5074312090873718, print_iou: 0.33997175097465515
3471 Epoch 22/499: 15%|| | 24/160 [02:33<14:17, 6.31s/it]print_dice: 0.
      48158028721809387, print_iou: 0.31715887784957886
3472 Epoch 22/499: 16%|| | 25/160 [02:40<14:06, 6.27s/it]print_dice: 0.5416402816772461

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3472 , print_iou: 0.3714037537574768
3473 Epoch 22/499: 16%|██████| 26/160 [02:46<13:59, 6.26s/it]print_dice: 0.4971463680267334
, print_iou: 0.3308015763759613
3474 Epoch 22/499: 17%|██████| 27/160 [02:52<13:54, 6.27s/it]print_dice: 0.4466198682785034
, print_iou: 0.2875148355960846
3475 Epoch 22/499: 18%|██████| 28/160 [02:58<13:47, 6.27s/it]print_dice: 0.
46258461475372314, print_iou: 0.3008846044540405
3476 print_dice: 0.5203737616539001, print_iou: 0.35169267654418945
3477 Epoch 22/499: 19%|██████| 30/160 [03:11<13:21, 6.16s/it]print_dice: 0.5174705982208252
, print_iou: 0.3490457832813263
3478 Epoch 22/499: 19%|██████| 31/160 [03:17<13:13, 6.15s/it]print_dice: 0.6087486147880554
, print_iou: 0.4375547170639038
3479 Epoch 22/499: 20%|██████| 32/160 [03:23<13:10, 6.17s/it]print_dice: 0.4723108112812042
, print_iou: 0.309166818857193
3480 Epoch 22/499: 21%|██████| 33/160 [03:29<13:05, 6.18s/it]print_dice: 0.
47799351811408997, print_iou: 0.31405484676361084
3481 Epoch 22/499: 21%|██████| 34/160 [03:35<12:55, 6.16s/it]print_dice: 0.5094439387321472
, print_iou: 0.3417811393737793
3482 print_dice: 0.5679296255111694, print_iou: 0.39657941460609436
3483 Epoch 22/499: 22%|██████| 36/160 [03:48<12:47, 6.19s/it]print_dice: 0.
49021410942077637, print_iou: 0.32469114661216736
3484 print_dice: 0.5606294274330139, print_iou: 0.38949620723724365
3485 Epoch 22/499: 24%|██████| 38/160 [04:00<12:39, 6.23s/it]print_dice: 0.5048817992210388
, print_iou: 0.3376868665218353
3486 Epoch 22/499: 24%|██████| 39/160 [04:06<12:31, 6.21s/it]print_dice: 0.5668067932128906
, print_iou: 0.3954852819442749
3487 Epoch 22/499: 25%|██████| 40/160 [04:12<12:19, 6.16s/it]print_dice: 0.500227689743042
, print_iou: 0.333535760641098
3488 Epoch 22/499: 26%|██████| 41/160 [04:19<12:16, 6.19s/it]print_dice: 0.
48522526025772095, print_iou: 0.32032832503318787
3489 Epoch 22/499: 26%|██████| 42/160 [04:25<12:09, 6.18s/it]print_dice: 0.5131891965866089
, print_iou: 0.3451610803604126
3490 Epoch 22/499: 27%|██████| 43/160 [04:31<11:59, 6.15s/it]print_dice: 0.5902995467185974
, print_iou: 0.4187411367893219
3491 Epoch 22/499: 28%|██████| 44/160 [04:37<11:56, 6.18s/it]print_dice: 0.5035332441329956
, print_iou: 0.3364814221858978
3492 Epoch 22/499: 28%|██████| 45/160 [04:43<11:50, 6.18s/it]print_dice: 0.5335817337036133
, print_iou: 0.3638673722743988
3493 Epoch 22/499: 29%|██████| 46/160 [04:49<11:42, 6.16s/it]print_dice: 0.
42912644147872925, print_iou: 0.27317696809768677
3494 Epoch 22/499: 29%|██████| 47/160 [04:56<11:44, 6.24s/it]print_dice: 0.59990394115448
, print_iou: 0.4284733831882477
3495 Epoch 22/499: 30%|██████| 48/160 [05:02<11:39, 6.25s/it]print_dice: 0.5136567950248718
, print_iou: 0.34558427333831787
3496 print_dice: 0.511470377445221, print_iou: 0.3436077833175659
3497 Epoch 22/499: 31%|██████| 50/160 [05:15<11:31, 6.28s/it]print_dice: 0.5055068135261536
, print_iou: 0.33824634552001953
3498 Epoch 22/499: 32%|██████| 51/160 [05:21<11:24, 6.28s/it]print_dice: 0.
44117939472198486, print_iou: 0.2830212712287903
3499 Epoch 22/499: 32%|██████| 52/160 [05:27<11:16, 6.26s/it]print_dice: 0.4911671280860901
, print_iou: 0.3255278468132019
3500 Epoch 22/499: 33%|██████| 53/160 [05:34<11:12, 6.29s/it]print_dice: 0.487386554479599
, print_iou: 0.32221487164497375
3501 print_dice: 0.5545364618301392, print_iou: 0.3836391866207123
3502 Epoch 22/499: 34%|██████| 55/160 [05:46<10:53, 6.23s/it]print_dice: 0.
47847265005111694, print_iou: 0.314468652009964
3503 Epoch 22/499: 35%|██████| 56/160 [05:52<10:43, 6.19s/it]print_dice: 0.5171944499015808
, print_iou: 0.34879449009895325
3504 Epoch 22/499: 36%|██████| 57/160 [05:58<10:40, 6.21s/it]print_dice: 0.
48564809560775757, print_iou: 0.32069697976112366
3505 Epoch 22/499: 36%|██████| 58/160 [06:05<10:35, 6.23s/it]print_dice: 0.6117566227912903
, print_iou: 0.44066959619522095
3506 Epoch 22/499: 37%|██████| 59/160 [06:11<10:27, 6.21s/it]print_dice: 0.5580797791481018
, print_iou: 0.38703930377960205
3507 print_dice: 0.5386618375778198, print_iou: 0.36860859394073486
3508 Epoch 22/499: 38%|██████| 61/160 [06:23<10:14, 6.21s/it]print_dice: 0.
41624754667282104, print_iou: 0.26282361149787903
3509 Epoch 22/499: 39%|██████| 62/160 [06:29<10:06, 6.19s/it]print_dice: 0.6174141764640808
, print_iou: 0.44656482338905334

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3510 Epoch 22/499: 39%|██████| 63/160 [06:36<10:03, 6.22s/it]print_dice: 0.5780913233757019
, print_iou: 0.40656009316444397
3511 Epoch 22/499: 40%|██████| 64/160 [06:42<09:57, 6.23s/it]print_dice: 0.5200945734977722
, print_iou: 0.35143768787384033
3512 Epoch 22/499: 41%|██████| 65/160 [06:48<09:54, 6.26s/it]print_dice: 0.5949759483337402
, print_iou: 0.42346319556236267
3513 Epoch 22/499: 41%|██████| 66/160 [06:55<09:53, 6.32s/it]print_dice: 0.5331906080245972
, print_iou: 0.36350366473197937
3514 Epoch 22/499: 42%|██████| 67/160 [07:01<09:46, 6.31s/it]print_dice: 0.4998319149017334
, print_iou: 0.3331839144229889
3515 Epoch 22/499: 42%|██████| 68/160 [07:07<09:42, 6.33s/it]print_dice: 0.
47578656673431396, print_iou: 0.3121521770954132
3516 Epoch 22/499: 43%|██████| 69/160 [07:14<09:38, 6.36s/it]print_dice: 0.4615916907787323
, print_iou: 0.300044983625412
3517 print_dice: 0.48546573519706726, print_iou: 0.3205379843711853
3518 Epoch 22/499: 44%|██████| 71/160 [07:26<09:21, 6.31s/it]print_dice: 0.5758959650993347
, print_iou: 0.4043917953968048
3519 print_dice: 0.5280786156654358, print_iou: 0.3587682247161865
3520 Epoch 22/499: 46%|██████| 73/160 [07:39<09:06, 6.28s/it]print_dice: 0.5646722912788391
, print_iou: 0.3934100270271301
3521 Epoch 22/499: 46%|██████| 74/160 [07:45<08:56, 6.23s/it]print_dice: 0.
43886488676071167, print_iou: 0.28111910820007324
3522 Epoch 22/499: 47%|██████| 75/160 [07:51<08:46, 6.20s/it]print_dice: 0.6168627738952637
, print_iou: 0.44598811864852905
3523 Epoch 22/499: 48%|██████| 76/160 [07:57<08:41, 6.20s/it]print_dice: 0.5411400198936462
, print_iou: 0.37093350291252136
3524 Epoch 22/499: 48%|██████| 77/160 [08:03<08:33, 6.19s/it]print_dice: 0.508590042591095
, print_iou: 0.3410128951072693
3525 Epoch 22/499: 49%|██████| 78/160 [08:10<08:31, 6.24s/it]print_dice: 0.6026959419250488
, print_iou: 0.4313276708126068
3526 Epoch 22/499: 49%|██████| 79/160 [08:16<08:27, 6.27s/it]print_dice: 0.570380687713623
, print_iou: 0.39897385239601135
3527 Epoch 22/499: 50%|██████| 80/160 [08:22<08:21, 6.27s/it]print_dice: 0.5393380522727966
, print_iou: 0.36924222111701965
3528 Epoch 22/499: 51%|██████| 81/160 [08:29<08:13, 6.25s/it]print_dice: 0.4877515137195587
, print_iou: 0.3225339651107788
3529 Epoch 22/499: 51%|██████| 82/160 [08:35<08:04, 6.21s/it]print_dice: 0.5459951162338257
, print_iou: 0.37551116943359375
3530 Epoch 22/499: 52%|██████| 83/160 [08:41<08:02, 6.27s/it]print_dice: 0.5099948048591614
, print_iou: 0.3422771990299225
3531 print_dice: 0.5419853329658508, print_iou: 0.3717283010482788
3532 Epoch 22/499: 53%|██████| 85/160 [08:54<07:48, 6.25s/it]print_dice: 0.5595536231994629
, print_iou: 0.3884584903717041
3533 print_dice: 0.6423537731170654, print_iou: 0.47313785552978516
3534 Epoch 22/499: 54%|██████| 87/160 [09:06<07:32, 6.19s/it]print_dice: 0.5116062760353088
, print_iou: 0.34373044967651367
3535 Epoch 22/499: 55%|██████| 88/160 [09:12<07:28, 6.22s/it]print_dice: 0.4231703579425812
, print_iou: 0.26836782693862915
3536 print_dice: 0.5504401922225952, print_iou: 0.3797292113304138
3537 Epoch 22/499: 56%|██████| 90/160 [09:25<07:16, 6.24s/it]print_dice: 0.5099319815635681
, print_iou: 0.34222060441970825
3538 print_dice: 0.5570098161697388, print_iou: 0.3860108554363251
3539 Epoch 22/499: 57%|██████| 92/160 [09:37<07:04, 6.24s/it]print_dice: 0.5798277258872986
, print_iou: 0.4082798659801483
3540 print_dice: 0.5828163623809814, print_iou: 0.41124972701072693
3541 Epoch 22/499: 59%|██████| 94/160 [09:49<06:47, 6.17s/it]print_dice: 0.
46742555499076843, print_iou: 0.30499371886253357
3542 print_dice: 0.563901424407959, print_iou: 0.39266204833984375
3543 Epoch 22/499: 60%|██████| 96/160 [10:02<06:37, 6.22s/it]print_dice: 0.5395214557647705
, print_iou: 0.36941418051719666
3544 print_dice: 0.5945056080818176, print_iou: 0.42298680543899536
3545 Epoch 22/499: 61%|██████| 98/160 [10:14<06:25, 6.21s/it]print_dice: 0.4996962547302246
, print_iou: 0.33306339383125305
3546 print_dice: 0.5804833769798279, print_iou: 0.40893030166625977
3547 Epoch 22/499: 62%|██████| 100/160 [10:27<06:11, 6.20s/it]print_dice: 0.506198525428772
, print_iou: 0.3388659954071045
3548 Epoch 22/499: 63%|██████| 101/160 [10:33<06:05, 6.20s/it]print_dice: 0.
6038522720336914, print_iou: 0.43251314759254456
3549 [100/160] eta: 0:06:16 time: 6.2159 data: 0.0003

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3550 Epoch 22/499: 64%|███████| 102/160 [10:39<06:00, 6.21s/it]print_dice: 0.
5270545482635498, print_iou: 0.35782352089881897
3551 print_dice: 0.4927348792552948, print_iou: 0.32690656185150146
3552 Epoch 22/499: 65%|███████| 104/160 [10:52<05:51, 6.27s/it]print_dice: 0.
5377552509307861, print_iou: 0.3677600920200348
3553 Epoch 22/499: 66%|███████| 105/160 [10:58<05:42, 6.23s/it]print_dice: 0.
5427138209342957, print_iou: 0.3724139928817749
3554 Epoch 22/499: 66%|███████| 106/160 [11:04<05:37, 6.26s/it]print_dice: 0.
5428134799003601, print_iou: 0.37250787019729614
3555 Epoch 22/499: 67%|███████| 107/160 [11:10<05:32, 6.28s/it]print_dice: 0.
5330902338027954, print_iou: 0.3634103834629059
3556 Epoch 22/499: 68%|███████| 108/160 [11:17<05:28, 6.31s/it]print_dice: 0.
5885030627250671, print_iou: 0.41693544387817383
3557 Epoch 22/499: 68%|███████| 109/160 [11:23<05:22, 6.33s/it]print_dice: 0.
6278486251831055, print_iou: 0.4575651288032532
3558 Epoch 22/499: 69%|███████| 110/160 [11:30<05:15, 6.31s/it]print_dice: 0.
44732314348220825, print_iou: 0.2880980372428894
3559 Epoch 22/499: 69%|███████| 111/160 [11:36<05:07, 6.27s/it]print_dice: 0.
4800015389919281, print_iou: 0.3157908022403717
3560 print_dice: 0.5442977547645569, print_iou: 0.3739073574542999
3561 Epoch 22/499: 71%|███████| 113/160 [11:48<04:52, 6.23s/it]print_dice: 0.
5304174423217773, print_iou: 0.3609306812286377
3562 Epoch 22/499: 71%|███████| 114/160 [11:54<04:45, 6.21s/it]print_dice: 0.
5179958343505859, print_iou: 0.3495238721370697
3563 Epoch 22/499: 72%|███████| 115/160 [12:00<04:38, 6.20s/it]print_dice: 0.
5369005799293518, print_iou: 0.3669610917568207
3564 Epoch 22/499: 72%|███████| 116/160 [12:07<04:32, 6.20s/it]print_dice: 0.
5953691005706787, print_iou: 0.4238615930080414
3565 Epoch 22/499: 73%|███████| 117/160 [12:13<04:26, 6.21s/it]print_dice: 0.
5474801063537598, print_iou: 0.37691745162010193
3566 Epoch 22/499: 74%|███████| 118/160 [12:19<04:19, 6.18s/it]print_dice: 0.
4760732650756836, print_iou: 0.3123990297317505
3567 Epoch 22/499: 74%|███████| 119/160 [12:25<04:16, 6.25s/it]print_dice: 0.
4966419041156769, print_iou: 0.3303550183773041
3568 Epoch 22/499: 75%|███████| 120/160 [12:32<04:10, 6.26s/it]print_dice: 0.
4934072494506836, print_iou: 0.32749873399734497
3569 Epoch 22/499: 76%|███████| 121/160 [12:38<04:04, 6.26s/it]print_dice: 0.
44952401518821716, print_iou: 0.2899264395236969
3570 Epoch 22/499: 76%|███████| 122/160 [12:44<03:56, 6.22s/it]print_dice: 0.48366779088974
, print_iou: 0.3189722001552582
3571 Epoch 22/499: 77%|███████| 123/160 [12:50<03:50, 6.23s/it]print_dice: 0.
5974488854408264, print_iou: 0.42597299814224243
3572 Epoch 22/499: 78%|███████| 124/160 [12:56<03:44, 6.23s/it]print_dice: 0.
5517484545707703, print_iou: 0.3809755742549896
3573 Epoch 22/499: 78%|███████| 125/160 [13:03<03:36, 6.20s/it]print_dice: 0.
5337364673614502, print_iou: 0.364011287689209
3574 Epoch 22/499: 79%|███████| 126/160 [13:09<03:30, 6.19s/it]print_dice: 0.
5697370171546936, print_iou: 0.3983442485332489
3575 print_dice: 0.5169357061386108, print_iou: 0.3485592305660248
3576 Epoch 22/499: 80%|███████| 128/160 [13:21<03:19, 6.23s/it]print_dice: 0.
49504798650741577, print_iou: 0.3289460241794586
3577 print_dice: 0.538792073726654, print_iou: 0.3687305748462677
3578 Epoch 22/499: 81%|███████| 130/160 [13:34<03:07, 6.25s/it]print_dice: 0.
5087332725524902, print_iou: 0.3411417305469513
3579 Epoch 22/499: 82%|███████| 131/160 [13:40<03:00, 6.22s/it]print_dice: 0.
4739290475845337, print_iou: 0.31055504083633423
3580 print_dice: 0.5638097524642944, print_iou: 0.39257317781448364
3581 Epoch 22/499: 83%|███████| 133/160 [13:53<02:48, 6.23s/it]print_dice: 0.
5604195594787598, print_iou: 0.3892936706542969
3582 Epoch 22/499: 84%|███████| 134/160 [13:59<02:41, 6.23s/it]print_dice: 0.
47634464502334595, print_iou: 0.31263279914855957
3583 Epoch 22/499: 84%|███████| 135/160 [14:05<02:36, 6.26s/it]print_dice: 0.
5303817987442017, print_iou: 0.3608976900577545
3584 Epoch 22/499: 85%|███████| 136/160 [14:11<02:30, 6.27s/it]print_dice: 0.
5205050110816956, print_iou: 0.3518126308917999
3585 Epoch 22/499: 86%|███████| 137/160 [14:18<02:23, 6.24s/it]print_dice: 0.
5477785468101501, print_iou: 0.3772004246711731
3586 Epoch 22/499: 86%|███████| 138/160 [14:24<02:16, 6.19s/it]print_dice: 0.
5701980590820312, print_iou: 0.39879512786865234

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3587 Epoch 22/499: 87%|██████████| 139/160 [14:30<02:09, 6.19s/it]print_dice: 0.
5384286642074585, print_iou: 0.3683902621269226
3588 Epoch 22/499: 88%|██████████| 140/160 [14:36<02:04, 6.20s/it]print_dice: 0.443234384059906
, print_iou: 0.2847149074077606
3589 Epoch 22/499: 88%|██████████| 141/160 [14:42<01:57, 6.20s/it]print_dice: 0.
5054693222045898, print_iou: 0.3382127583026886
3590 print_dice: 0.582423746585846, print_iou: 0.41085880994796753
3591 Epoch 22/499: 89%|██████████| 143/160 [14:55<01:45, 6.21s/it]print_dice: 0.
5366008877754211, print_iou: 0.36668115854263306
3592 Epoch 22/499: 90%|██████████| 144/160 [15:01<01:38, 6.17s/it]print_dice: 0.
5079899430274963, print_iou: 0.3404735326766968
3593 print_dice: 0.5182273387908936, print_iou: 0.34973472356796265
3594 Epoch 22/499: 91%|██████████| 146/160 [15:13<01:26, 6.21s/it]print_dice: 0.
5254878997802734, print_iou: 0.3563808798789978
3595 Epoch 22/499: 92%|██████████| 147/160 [15:19<01:21, 6.24s/it]print_dice: 0.
5533928871154785, print_iou: 0.3825453817844391
3596 Epoch 22/499: 92%|██████████| 148/160 [15:26<01:14, 6.25s/it]print_dice: 0.
5550588369369507, print_iou: 0.38413938879966736
3597 Epoch 22/499: 93%|██████████| 149/160 [15:32<01:09, 6.28s/it]print_dice: 0.
5169583559036255, print_iou: 0.3485797941684723
3598 print_dice: 0.5710023641586304, print_iou: 0.39958247542381287
3599 Epoch 22/499: 94%|██████████| 151/160 [15:44<00:55, 6.22s/it]print_dice: 0.
5914531946182251, print_iou: 0.41990309953689575
3600 Epoch 22/499: 95%|██████████| 152/160 [15:51<00:49, 6.21s/it]print_dice: 0.
5544490814208984, print_iou: 0.3835555613040924
3601 Epoch 22/499: 96%|██████████| 153/160 [15:57<00:43, 6.24s/it]print_dice: 0.
5637359619140625, print_iou: 0.3925016522407532
3602 Epoch 22/499: 96%|██████████| 154/160 [16:03<00:37, 6.22s/it]print_dice: 0.
5536077618598938, print_iou: 0.3827507793903351
3603 Epoch 22/499: 97%|██████████| 155/160 [16:09<00:31, 6.24s/it]print_dice: 0.
5992348194122314, print_iou: 0.4277910590171814
3604 Epoch 22/499: 98%|██████████| 156/160 [16:16<00:24, 6.24s/it]print_dice: 0.
5458529591560364, print_iou: 0.37537673115730286
3605 Epoch 22/499: 98%|██████████| 157/160 [16:22<00:18, 6.26s/it]print_dice: 0.
5447460412979126, print_iou: 0.3743305802345276
3606 Epoch 22/499: 99%|██████████| 158/160 [16:28<00:12, 6.24s/it]print_dice: 0.463522732257843
, print_iou: 0.3016788959503174
3607 Epoch 22/499: 99%|██████████| 159/160 [16:34<00:06, 6.17s/it]print_dice: 0.
5287145972251892, print_iou: 0.35935553908348083
3608 Epoch 22/499: 100%|██████████| 160/160 [16:40<00:00, 6.17s/it]print_dice: 0.
45750513672828674, print_iou: 0.2966007590293884
3609 [159/160] eta: 0:00:06 time: 6.2120 data: 0.0004
3610 Total time: 0:16:41 (6.2602 s / it)
3611 Averaged stats: training_loss: -143.1852 (-143.1852) loss_mask: -143.4419 (-143.4419)
loss_dice: 0.2567 (0.2567)
3612 Epoch 22/499: 100%|██████████| 160/160 [16:41<00:00, 6.26s/it]
3613 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.834194626077
3614 Validating...
3615 Valid_dataloader len: 12
3616 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.5965e-04, 2.
7728e-04, 2.8022e-04, ..., 1.0000e+00, 1.0000e+00,
3617 1.0000e+00], grad_fn=<Unique2Backward0>)
3618 print_dice: 0.5609005093574524, print_iou: 0.38975799083709717
3619 [ 0/12] eta: 0:01:44 time: 8.7033 data: 4.7347
3620 8%|██████████| 1/12 [00:08<01:35, 8.70s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.9981e-04, 3.1636e-04, 3.1976e-04, ..., 1.0000e+00, 1.
0000e+00,
3621 1.0000e+00], grad_fn=<Unique2Backward0>)
3622 print_dice: 0.6075974106788635, print_iou: 0.4363662004470825
3623 17%|██████████| 2/12 [00:12<01:00, 6.01s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([3.0350e-04, 3.2429e-04, 3.2682e-04, ..., 1.0000e+00, 1.
0000e+00,
3624 1.0000e+00], grad_fn=<Unique2Backward0>)
3625 print_dice: 0.5331443548202515, print_iou: 0.3634606599807739
3626 25%|██████████| 3/12 [00:16<00:46, 5.17s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([3.2853e-04, 3.2934e-04, 3.3100e-04, ..., 1.0000e+00, 1.
0000e+00,
3627 1.0000e+00], grad_fn=<Unique2Backward0>)
3628 33%|██████████| 4/12 [00:21<00:38, 4.80s/it]print_dice: 0.5329886078834534, print_iou: 0.

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3628 3633159399032593
3629 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.9582e-04, 3.
      1062e-04, 3.1406e-04, ..., 1.0000e+00, 1.0000e+00,
3630      1.0000e+00], grad_fn=<Unique2Backward0>)
3631 42%|███████| 5/12 [00:25<00:31, 4.55s/it]print_dice: 0.5755085349082947, print_iou: 0.
      40400978922843933
3632 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.1491e-04, 8.
      1567e-04, 8.2611e-04, ..., 9.9997e-01, 9.9997e-01,
3633      9.9997e-01], grad_fn=<Unique2Backward0>)
3634 50%|███████| 6/12 [00:29<00:26, 4.37s/it]print_dice: 0.5076062679290771, print_iou: 0.
      34012892842292786
3635 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.9113e-04, 3.
      0100e-04, 3.0472e-04, ..., 1.0000e+00, 1.0000e+00,
3636      1.0000e+00], grad_fn=<Unique2Backward0>)
3637 58%|███████| 7/12 [00:33<00:21, 4.35s/it]print_dice: 0.4446345567703247, print_iou: 0.
      2858714163303375
3638 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.6367e-04, 1.
      6457e-04, 1.6640e-04, ..., 1.0000e+00, 1.0000e+00,
3639      1.0000e+00], grad_fn=<Unique2Backward0>)
3640 67%|███████| 8/12 [00:37<00:17, 4.26s/it]print_dice: 0.5477156043052673, print_iou: 0.
      37714076042175293
3641 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.9029e-04, 6.
      2096e-04, 6.2844e-04, ..., 9.9997e-01, 9.9997e-01,
3642      9.9997e-01], grad_fn=<Unique2Backward0>)
3643 75%|███████| 9/12 [00:41<00:12, 4.25s/it]print_dice: 0.5671970844268799, print_iou: 0.
      39586538076400757
3644 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.8149e-04, 6.
      1913e-04, 6.3304e-04, ..., 9.9997e-01, 9.9997e-01,
3645      9.9997e-01], grad_fn=<Unique2Backward0>)
3646 83%|███████| 10/12 [00:46<00:08, 4.23s/it]print_dice: 0.5749524235725403, print_iou: 0
      .40346190333366394
3647 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.2900e-04, 3.
      2950e-04, 3.3112e-04, ..., 1.0000e+00, 1.0000e+00,
3648      1.0000e+00], grad_fn=<Unique2Backward0>)
3649 92%|███████| 11/12 [00:50<00:04, 4.20s/it]print_dice: 0.6198715567588806, print_iou: 0
      .4491404592990875
3650 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.2500e-04, 3.
      2533e-04, 3.3630e-04, ..., 1.0000e+00, 1.0000e+00,
3651      1.0000e+00], grad_fn=<Unique2Backward0>)
3652 100%|███████| 12/12 [00:54<00:00, 4.13s/it]print_dice: 0.5809889435768127, print_iou: 0
      .4094322919845581
3653 [11/12] eta: 0:00:04 time: 4.5205 data: 0.3951
3654 100%|███████| 12/12 [00:54<00:00, 4.56s/it]
3655 Total time: 0:00:54 (4.5561 s / it)
3656 =====
3657 Averaged stats:
3658 epoch: 23 learning rate: 1e-07
3659 Epoch 23/499: 1%|███████| 1/160 [00:10<28:26, 10.73s/it]print_dice: 0.5373616814613342
      , print_iou: 0.36739203333854675
3660 [ 0/160] eta: 0:28:36 time: 10.7298 data: 4.3762
3661 Epoch 23/499: 1%|| 2/160 [00:16<21:10, 8.04s/it]print_dice: 0.5389492511749268
      , print_iou: 0.3688778281211853
3662 Epoch 23/499: 2%|| 3/160 [00:23<18:44, 7.17s/it]print_dice: 0.491245836019516
      , print_iou: 0.32559701800346375
3663 Epoch 23/499: 2%|| 4/160 [00:29<17:39, 6.79s/it]print_dice: 0.4630424976348877
      , print_iou: 0.3012721538543701
3664 Epoch 23/499: 3%|| 5/160 [00:35<16:58, 6.57s/it]print_dice: 0.48041069507598877
      , print_iou: 0.3161450922489166
3665 print_dice: 0.5328499674797058, print_iou: 0.36318710446357727
3666 Epoch 23/499: 4%|| 7/160 [00:47<16:09, 6.34s/it]print_dice: 0.5384279489517212
      , print_iou: 0.3683895766735077
3667 print_dice: 0.5470725297927856, print_iou: 0.3765312135219574
3668 Epoch 23/499: 6%|| 9/160 [00:59<15:38, 6.21s/it]print_dice: 0.5603140592575073
      , print_iou: 0.3891918659210205
3669 Epoch 23/499: 6%|| 10/160 [01:06<15:39, 6.27s/it]print_dice: 0.6441688537597656
      , print_iou: 0.47510990500450134
3670 print_dice: 0.47701600193977356, print_iou: 0.31321144104003906
3671 Epoch 23/499: 8%|| 12/160 [01:18<15:25, 6.25s/it]print_dice: 0.5518403649330139
      , print_iou: 0.38106319308280945

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3672 Epoch 23/499:  8%|█          | 13/160 [01:24<15:15,  6.23s/it]print_dice: 0.5750923156738281
,   print_iou: 0.40359970927238464
3673 print_dice: 0.5435612797737122,   print_iou: 0.373212605714798
3674 Epoch 23/499:  9%|█          | 15/160 [01:37<14:54,  6.17s/it]print_dice: 0.6121483445167542
,   print_iou: 0.44107621908187866
3675 Epoch 23/499: 10%|█         | 16/160 [01:43<14:49,  6.18s/it]print_dice: 0.4609682261943817
,   print_iou: 0.29951831698417664
3676 print_dice: 0.5422477126121521,   print_iou: 0.37197524309158325
3677 Epoch 23/499: 11%|█         | 18/160 [01:55<14:34,  6.16s/it]print_dice: 0.4807218313217163
,   print_iou: 0.31641462445259094
3678 Epoch 23/499: 12%|█         | 19/160 [02:01<14:32,  6.19s/it]print_dice: 0.6110147833824158
,   print_iou: 0.43990013003349304
3679 Epoch 23/499: 12%|█         | 20/160 [02:08<14:27,  6.20s/it]print_dice: 0.5171784162521362
,   print_iou: 0.34877994656562805
3680 print_dice: 0.43893104791641235,   print_iou: 0.2811734080314636
3681 Epoch 23/499: 14%|██        | 22/160 [02:20<14:21,  6.25s/it]print_dice: 0.5248801708221436
,   print_iou: 0.35582202672958374
3682 Epoch 23/499: 14%|██        | 23/160 [02:27<14:16,  6.25s/it]print_dice: 0.4161304831504822
,   print_iou: 0.26273027062416077
3683 Epoch 23/499: 15%|██        | 24/160 [02:33<14:12,  6.27s/it]print_dice: 0.4995121657848358
,   print_iou: 0.3328998386859894
3684 Epoch 23/499: 16%|██        | 25/160 [02:39<14:05,  6.26s/it]print_dice: 0.5965271592140198
,   print_iou: 0.4250364601612091
3685 Epoch 23/499: 16%|██        | 26/160 [02:45<13:55,  6.24s/it]print_dice: 0.5467535257339478
,   print_iou: 0.37622901797294617
3686 Epoch 23/499: 17%|██        | 27/160 [02:51<13:46,  6.21s/it]print_dice: 0.5115252137184143
,   print_iou: 0.34365731477737427
3687 Epoch 23/499: 18%|██        | 28/160 [02:58<13:41,  6.22s/it]print_dice: 0.5085641741752625
,   print_iou: 0.3409896194934845
3688 Epoch 23/499: 18%|██        | 29/160 [03:04<13:35,  6.22s/it]print_dice: 0.
46441853046417236,   print_iou: 0.30243822932243347
3689 Epoch 23/499: 19%|██        | 30/160 [03:10<13:24,  6.19s/it]print_dice: 0.5906938314437866
,   print_iou: 0.4191380739212036
3690 Epoch 23/499: 19%|██        | 31/160 [03:16<13:21,  6.21s/it]print_dice: 0.5590101480484009
,   print_iou: 0.3879348337650299
3691 print_dice: 0.5790773034095764,   print_iou: 0.407536119222641
3692 Epoch 23/499: 21%|███       | 33/160 [03:29<13:09,  6.22s/it]print_dice: 0.5570247769355774
,   print_iou: 0.38602519035339355
3693 Epoch 23/499: 21%|███       | 34/160 [03:35<13:02,  6.21s/it]print_dice: 0.5383014678955078
,   print_iou: 0.36827120184898376
3694 Epoch 23/499: 22%|███       | 35/160 [03:41<12:52,  6.18s/it]print_dice: 0.5576235055923462
,   print_iou: 0.386600524187088
3695 Epoch 23/499: 22%|███       | 36/160 [03:47<12:43,  6.16s/it]print_dice: 0.5892207026481628
,   print_iou: 0.41765615344047546
3696 Epoch 23/499: 23%|███       | 37/160 [03:53<12:37,  6.16s/it]print_dice: 0.5425482988357544
,   print_iou: 0.37225815653800964
3697 Epoch 23/499: 24%|███       | 38/160 [04:00<12:35,  6.19s/it]print_dice: 0.5794570446014404
,   print_iou: 0.40791237354278564
3698 Epoch 23/499: 24%|███       | 39/160 [04:06<12:30,  6.20s/it]print_dice: 0.
48562878370285034,   print_iou: 0.3206801414489746
3699 Epoch 23/499: 25%|███       | 40/160 [04:12<12:23,  6.19s/it]print_dice: 0.5933918952941895
,   print_iou: 0.42186012864112854
3700 Epoch 23/499: 26%|███       | 41/160 [04:18<12:20,  6.23s/it]print_dice: 0.5312620997428894
,   print_iou: 0.36171334981918335
3701 print_dice: 0.5648013949394226,   print_iou: 0.3935353457927704
3702 Epoch 23/499: 27%|███       | 43/160 [04:31<12:05,  6.20s/it]print_dice: 0.5406360030174255
,   print_iou: 0.37046003341674805
3703 Epoch 23/499: 28%|███       | 44/160 [04:37<12:02,  6.23s/it]print_dice: 0.5488632917404175
,   print_iou: 0.37822991609573364
3704 print_dice: 0.4885399043560028,   print_iou: 0.3232237994670868
3705 Epoch 23/499: 29%|███       | 46/160 [04:49<11:46,  6.20s/it]print_dice: 0.6179942488670349
,   print_iou: 0.44717198610305786
3706 print_dice: 0.5205238461494446,   print_iou: 0.35182985663414
3707 Epoch 23/499: 30%|███       | 48/160 [05:02<11:40,  6.26s/it]print_dice: 0.5558079481124878
,   print_iou: 0.3848573565483093
3708 Epoch 23/499: 31%|███       | 49/160 [05:08<11:30,  6.22s/it]print_dice: 0.5060692429542542
,   print_iou: 0.33875009417533875
3709 Epoch 23/499: 31%|███       | 50/160 [05:14<11:21,  6.20s/it]print_dice: 0.
47665727138519287,   print_iou: 0.31290218234062195

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3710 Epoch 23/499: 32%|██████| 51/160 [05:21<11:20, 6.25s/it]print_dice: 0.
    49959680438041687, print_iou: 0.33297502994537354
3711 print_dice: 0.5602214932441711, print_iou: 0.389102578163147
3712 Epoch 23/499: 33%|██████| 53/160 [05:33<11:05, 6.22s/it]print_dice: 0.4988463819026947
    , print_iou: 0.33230867981910706
3713 print_dice: 0.491239994764328, print_iou: 0.3255918622016907
3714 Epoch 23/499: 34%|██████| 55/160 [05:45<10:51, 6.20s/it]print_dice: 0.5402727127075195
    , print_iou: 0.3701189160346985
3715 Epoch 23/499: 35%|██████| 56/160 [05:51<10:43, 6.19s/it]print_dice: 0.5251607894897461
    , print_iou: 0.35607999563217163
3716 Epoch 23/499: 36%|██████| 57/160 [05:58<10:36, 6.18s/it]print_dice: 0.5121937394142151
    , print_iou: 0.3442610502243042
3717 print_dice: 0.5226200222969055, print_iou: 0.3537479043006897
3718 Epoch 23/499: 37%|██████| 59/160 [06:10<10:24, 6.18s/it]print_dice: 0.602929949760437
    , print_iou: 0.4315674602985382
3719 print_dice: 0.5834119915962219, print_iou: 0.41184312105178833
3720 Epoch 23/499: 38%|██████| 61/160 [06:22<10:15, 6.22s/it]print_dice: 0.4470881521701813
    , print_iou: 0.2879031002521515
3721 Epoch 23/499: 39%|██████| 62/160 [06:29<10:08, 6.21s/it]print_dice: 0.5183634757995605
    , print_iou: 0.34985873103141785
3722 print_dice: 0.5730006694793701, print_iou: 0.4015423357486725
3723 Epoch 23/499: 40%|██████| 64/160 [06:41<09:52, 6.17s/it]print_dice: 0.
    48901811242103577, print_iou: 0.3236426115036011
3724 Epoch 23/499: 41%|██████| 65/160 [06:47<09:44, 6.15s/it]print_dice: 0.5112327337265015
    , print_iou: 0.34339332580566406
3725 Epoch 23/499: 41%|██████| 66/160 [06:53<09:38, 6.15s/it]print_dice: 0.5728208422660828
    , print_iou: 0.4013657867908478
3726 Epoch 23/499: 42%|██████| 67/160 [06:59<09:35, 6.19s/it]print_dice: 0.
    47578245401382446, print_iou: 0.31214866042137146
3727 Epoch 23/499: 42%|██████| 68/160 [07:06<09:30, 6.20s/it]print_dice: 0.5941657423973083
    , print_iou: 0.4226427972316742
3728 Epoch 23/499: 43%|██████| 69/160 [07:12<09:25, 6.21s/it]print_dice: 0.5071021914482117
    , print_iou: 0.3396764099597931
3729 Epoch 23/499: 44%|██████| 70/160 [07:18<09:15, 6.18s/it]print_dice: 0.
    46111705899238586, print_iou: 0.29964402318000793
3730 Epoch 23/499: 44%|██████| 71/160 [07:24<09:12, 6.21s/it]print_dice: 0.5221688747406006
    , print_iou: 0.35333460569381714
3731 print_dice: 0.5405318140983582, print_iou: 0.37036219239234924
3732 Epoch 23/499: 46%|██████| 73/160 [07:37<08:58, 6.19s/it]print_dice: 0.
    42787230014801025, print_iou: 0.2721613049507141
3733 print_dice: 0.5728901028633118, print_iou: 0.4014337360858917
3734 Epoch 23/499: 47%|██████| 75/160 [07:49<08:50, 6.24s/it]print_dice: 0.5955514311790466
    , print_iou: 0.42404645681381226
3735 print_dice: 0.5875071287155151, print_iou: 0.4159363806247711
3736 Epoch 23/499: 48%|██████| 77/160 [08:02<08:39, 6.26s/it]print_dice: 0.5262446403503418
    , print_iou: 0.35707730054855347
3737 Epoch 23/499: 49%|██████| 78/160 [08:08<08:30, 6.22s/it]print_dice: 0.5825676321983337
    , print_iou: 0.4110020697116852
3738 Epoch 23/499: 49%|██████| 79/160 [08:14<08:18, 6.16s/it]print_dice: 0.4451933801174164
    , print_iou: 0.2863336205482483
3739 print_dice: 0.5123123526573181, print_iou: 0.34436824917793274
3740 Epoch 23/499: 51%|██████| 81/160 [08:26<08:09, 6.19s/it]print_dice: 0.53757643699646
    , print_iou: 0.36759284138679504
3741 Epoch 23/499: 51%|██████| 82/160 [08:32<08:01, 6.17s/it]print_dice: 0.
    42081522941589355, print_iou: 0.26647624373435974
3742 Epoch 23/499: 52%|██████| 83/160 [08:39<07:54, 6.16s/it]print_dice: 0.5114449858665466
    , print_iou: 0.34358489513397217
3743 Epoch 23/499: 52%|██████| 84/160 [08:45<07:51, 6.20s/it]print_dice: 0.5095697045326233
    , print_iou: 0.34189435839653015
3744 Epoch 23/499: 53%|██████| 85/160 [08:51<07:42, 6.17s/it]print_dice: 0.5055246353149414
    , print_iou: 0.33826225996017456
3745 Epoch 23/499: 54%|██████| 86/160 [08:57<07:36, 6.17s/it]print_dice: 0.5378088355064392
    , print_iou: 0.3678101897239685
3746 Epoch 23/499: 54%|██████| 87/160 [09:03<07:31, 6.18s/it]print_dice: 0.5062406063079834
    , print_iou: 0.3389036953449249
3747 Epoch 23/499: 55%|██████| 88/160 [09:10<07:25, 6.19s/it]print_dice: 0.4685170352458954
    , print_iou: 0.3059237599372864
3748 Epoch 23/499: 56%|██████| 89/160 [09:16<07:19, 6.19s/it]print_dice: 0.545302152633667
    , print_iou: 0.3748559355735779

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3749 print_dice: 0.5143994092941284, print_iou: 0.34625688195228577
3750 Epoch 23/499: 57%|███████| 91/160 [09:28<07:10, 6.24s/it]print_dice: 0.5051209926605225
, print_iou: 0.33790090680122375
3751 Epoch 23/499: 57%|███████| 92/160 [09:35<07:04, 6.25s/it]print_dice: 0.5525206327438354
, print_iou: 0.38171228766441345
3752 Epoch 23/499: 58%|███████| 93/160 [09:41<06:58, 6.25s/it]print_dice: 0.5382964611053467
, print_iou: 0.3682664930820465
3753 Epoch 23/499: 59%|███████| 94/160 [09:47<06:53, 6.26s/it]print_dice: 0.
44738009572029114, print_iou: 0.2881452739238739
3754 print_dice: 0.47948211431503296, print_iou: 0.3153413236141205
3755 Epoch 23/499: 60%|███████| 96/160 [10:00<06:39, 6.25s/it]print_dice: 0.528685450553894
, print_iou: 0.35932862758636475
3756 print_dice: 0.5606799721717834, print_iou: 0.3895450234413147
3757 Epoch 23/499: 61%|███████| 98/160 [10:12<06:26, 6.23s/it]print_dice: 0.
44298121333122253, print_iou: 0.28450602293014526
3758 Epoch 23/499: 62%|███████| 99/160 [10:18<06:21, 6.25s/it]print_dice: 0.4504990577697754
, print_iou: 0.29073816537857056
3759 Epoch 23/499: 62%|███████| 100/160 [10:24<06:14, 6.23s/it]print_dice: 0.
5425922274589539, print_iou: 0.3722994923591614
3760 Epoch 23/499: 63%|███████| 101/160 [10:31<06:10, 6.27s/it]print_dice: 0.
5234389901161194, print_iou: 0.3544987440109253
3761 [100/160] eta: 0:06:15 time: 6.2295 data: 0.0005
3762 Epoch 23/499: 64%|███████| 102/160 [10:37<06:03, 6.26s/it]print_dice: 0.
5092966556549072, print_iou: 0.34164857864379883
3763 Epoch 23/499: 64%|███████| 103/160 [10:43<05:55, 6.23s/it]print_dice: 0.
5426890254020691, print_iou: 0.3723906874656677
3764 Epoch 23/499: 65%|███████| 104/160 [10:49<05:48, 6.21s/it]print_dice: 0.
5362930297851562, print_iou: 0.36639368534088135
3765 print_dice: 0.5537145733833313, print_iou: 0.3828528821468353
3766 Epoch 23/499: 66%|███████| 106/160 [11:02<05:37, 6.25s/it]print_dice: 0.
5196779370307922, print_iou: 0.35105735063552856
3767 print_dice: 0.47305378317832947, print_iou: 0.3098038136959076
3768 Epoch 23/499: 68%|███████| 108/160 [11:15<05:30, 6.35s/it]print_dice: 0.
6173770427703857, print_iou: 0.4465259909629822
3769 Epoch 23/499: 68%|███████| 109/160 [11:21<05:21, 6.30s/it]print_dice: 0.
6080819964408875, print_iou: 0.43686622381210327
3770 Epoch 23/499: 69%|███████| 110/160 [11:27<05:12, 6.24s/it]print_dice: 0.
5677043199539185, print_iou: 0.39635974168777466
3771 Epoch 23/499: 69%|███████| 111/160 [11:33<05:06, 6.25s/it]print_dice: 0.
5664517283439636, print_iou: 0.3951396644115448
3772 print_dice: 0.508959949016571, print_iou: 0.3413456082344055
3773 Epoch 23/499: 71%|███████| 113/160 [11:46<04:53, 6.24s/it]print_dice: 0.
5236423015594482, print_iou: 0.3546852469444275
3774 print_dice: 0.5400122404098511, print_iou: 0.369874507188797
3775 Epoch 23/499: 72%|███████| 115/160 [11:58<04:37, 6.17s/it]print_dice: 0.
5305550694465637, print_iou: 0.3610581159591675
3776 Epoch 23/499: 72%|███████| 116/160 [12:04<04:32, 6.18s/it]print_dice: 0.
5447956323623657, print_iou: 0.37437739968299866
3777 Epoch 23/499: 73%|███████| 117/160 [12:10<04:25, 6.17s/it]print_dice: 0.
5846039652824402, print_iou: 0.4130321145057678
3778 Epoch 23/499: 74%|███████| 118/160 [12:17<04:18, 6.15s/it]print_dice: 0.532992422580719
, print_iou: 0.3633194863796234
3779 print_dice: 0.5984510779380798, print_iou: 0.42699262499809265
3780 Epoch 23/499: 75%|███████| 120/160 [12:29<04:08, 6.22s/it]print_dice: 0.474339097738266
, print_iou: 0.3109073042869568
3781 Epoch 23/499: 76%|███████| 121/160 [12:35<04:01, 6.20s/it]print_dice: 0.549829363822937
, print_iou: 0.37914806604385376
3782 Epoch 23/499: 76%|███████| 122/160 [12:41<03:56, 6.22s/it]print_dice: 0.
47888824343681335, print_iou: 0.3148277997970581
3783 Epoch 23/499: 77%|███████| 123/160 [12:48<03:50, 6.22s/it]print_dice: 0.
5635395050048828, print_iou: 0.3923111855983734
3784 Epoch 23/499: 78%|███████| 124/160 [12:54<03:43, 6.20s/it]print_dice: 0.
5184472799301147, print_iou: 0.3499350845813751
3785 Epoch 23/499: 78%|███████| 125/160 [13:00<03:36, 6.18s/it]print_dice: 0.
5142906904220581, print_iou: 0.34615835547447205
3786 print_dice: 0.6173837780952454, print_iou: 0.4465329945087433
3787 Epoch 23/499: 79%|███████| 127/160 [13:12<03:23, 6.17s/it]print_dice: 0.
4804939329624176, print_iou: 0.31621718406677246
3788 print_dice: 0.555126428604126, print_iou: 0.3842041790485382
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3789 Epoch 23/499: 81%|██████████| 129/160 [13:25<03:12, 6.20s/it]print_dice: 0.
5149433612823486, print_iou: 0.3467499911785126
3790 Epoch 23/499: 81%|██████████| 130/160 [13:31<03:07, 6.24s/it]print_dice: 0.
5007702112197876, print_iou: 0.3340183198451996
3791 Epoch 23/499: 82%|██████████| 131/160 [13:37<03:02, 6.29s/it]print_dice: 0.
5714044570922852, print_iou: 0.3999764025211334
3792 print_dice: 0.5650461912155151, print_iou: 0.3937731087207794
3793 Epoch 23/499: 83%|██████████| 133/160 [13:50<02:48, 6.24s/it]print_dice: 0.
5822418332099915, print_iou: 0.41067779064178467
3794 Epoch 23/499: 84%|██████████| 134/160 [13:56<02:42, 6.23s/it]print_dice: 0.
5881400108337402, print_iou: 0.4165710508823395
3795 Epoch 23/499: 84%|██████████| 135/160 [14:02<02:36, 6.26s/it]print_dice: 0.
5446721911430359, print_iou: 0.374260812997818
3796 Epoch 23/499: 85%|██████████| 136/160 [14:09<02:30, 6.25s/it]print_dice: 0.
5034000277519226, print_iou: 0.33636242151260376
3797 print_dice: 0.555925726890564, print_iou: 0.3849702775478363
3798 Epoch 23/499: 86%|██████████| 138/160 [14:21<02:16, 6.22s/it]print_dice: 0.
5122113823890686, print_iou: 0.34427696466445923
3799 print_dice: 0.5388489961624146, print_iou: 0.36878395080566406
3800 Epoch 23/499: 88%|██████████| 140/160 [14:33<02:03, 6.16s/it]print_dice: 0.
48595187067985535, print_iou: 0.32096195220947266
3801 Epoch 23/499: 88%|██████████| 141/160 [14:40<01:57, 6.20s/it]print_dice: 0.
5621338486671448, print_iou: 0.3909500539302826
3802 print_dice: 0.4947343170642853, print_iou: 0.32866910099983215
3803 Epoch 23/499: 89%|██████████| 143/160 [14:52<01:45, 6.23s/it]print_dice: 0.598750650882721
, print_iou: 0.4272977113723755
3804 Epoch 23/499: 90%|██████████| 144/160 [14:58<01:39, 6.21s/it]print_dice: 0.
5079038739204407, print_iou: 0.3403961956501007
3805 Epoch 23/499: 91%|██████████| 145/160 [15:04<01:32, 6.18s/it]print_dice: 0.
5695309042930603, print_iou: 0.3981427848339081
3806 Epoch 23/499: 91%|██████████| 146/160 [15:10<01:26, 6.15s/it]print_dice: 0.
5139698386192322, print_iou: 0.34586769342422485
3807 print_dice: 0.4513593912124634, print_iou: 0.2914552390575409
3808 Epoch 23/499: 92%|██████████| 148/160 [15:23<01:14, 6.20s/it]print_dice: 0.554509699344635
, print_iou: 0.38361355662345886
3809 print_dice: 0.5450818538665771, print_iou: 0.37464776635169983
3810 Epoch 23/499: 94%|██████████| 150/160 [15:35<01:01, 6.16s/it]print_dice: 0.
4906735420227051, print_iou: 0.3250943720340729
3811 print_dice: 0.5179435014724731, print_iou: 0.34947624802589417
3812 Epoch 23/499: 95%|██████████| 152/160 [15:48<00:49, 6.20s/it]print_dice: 0.
5294594764709473, print_iou: 0.36004409193992615
3813 Epoch 23/499: 96%|██████████| 153/160 [15:54<00:43, 6.25s/it]print_dice: 0.
5488376021385193, print_iou: 0.3782055079936981
3814 Epoch 23/499: 96%|██████████| 154/160 [16:00<00:37, 6.23s/it]print_dice: 0.
4654814600944519, print_iou: 0.3033403754234314
3815 Epoch 23/499: 97%|██████████| 155/160 [16:06<00:30, 6.19s/it]print_dice: 0.
5366341471672058, print_iou: 0.3667122423648834
3816 Epoch 23/499: 98%|██████████| 156/160 [16:13<00:24, 6.21s/it]print_dice: 0.
48613977432250977, print_iou: 0.32112592458724976
3817 Epoch 23/499: 98%|██████████| 157/160 [16:19<00:18, 6.18s/it]print_dice: 0.
4671807289123535, print_iou: 0.30478525161743164
3818 Epoch 23/499: 99%|██████████| 158/160 [16:25<00:12, 6.19s/it]print_dice: 0.
47632500529289246, print_iou: 0.31261587142944336
3819 Epoch 23/499: 99%|██████████| 159/160 [16:31<00:06, 6.13s/it]print_dice: 0.509749174118042
, print_iou: 0.3420559763908386
3820 Epoch 23/499: 100%|██████████| 160/160 [16:37<00:00, 6.15s/it]print_dice: 0.564373254776001
, print_iou: 0.393119752407074
3821 [159/160] eta: 0:00:06 time: 6.1907 data: 0.0003
3822 Epoch 23/499: 100%|██████████| 160/160 [16:38<00:00, 6.24s/it]
3823 Total time: 0:16:38 (6.2401 s / it)
3824 Averaged stats: training_loss: -519.4058 (-519.4058) loss_mask: -519.2911 (-519.2911)
loss_dice: -0.1148 (-0.1148)
3825 Net parameter norm: 1053.8345640179468
3826 0%|██████████| 0/12 [00:00<?, ?it/s]Validating...
3827 Valid_data_loader len: 12
3828 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.1781e-04, 8.
5202e-04, 8.5528e-04, ..., 9.9998e-01, 9.9998e-01,
3829 9.9998e-01], grad_fn=<Unique2Backward0>)
3830 8%|██████████| 1/12 [00:08<01:38, 8.96s/it]print_dice: 0.5534032583236694, print_iou: 0.

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3830 3825553059577942
3831 [ 0/12] eta: 0:01:47 time: 8.9552 data: 4.8014
3832 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0014, 0.0014
, 0.0015, ..., 1.0000, 1.0000, 1.0000],
3833 grad_fn=<Unique2Backward0>)
3834 17%|██████| 2/12 [00:13<01:01, 6.18s/it]print_dice: 0.6052754521369934, print_iou: 0.
4339749217033386
3835 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.9500e-04, 3.
1291e-04, 3.2019e-04, ..., 1.0000e+00, 1.0000e+00,
3836 1.0000e+00], grad_fn=<Unique2Backward0>)
3837 25%|██████| 3/12 [00:17<00:47, 5.28s/it]print_dice: 0.5292783975601196, print_iou: 0.
3598766624927521
3838 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.2368e-04, 3.
2641e-04, 3.2700e-04, ..., 1.0000e+00, 1.0000e+00,
3839 1.0000e+00], grad_fn=<Unique2Backward0>)
3840 33%|██████| 4/12 [00:21<00:38, 4.86s/it]print_dice: 0.5311353206634521, print_iou: 0.
3615958094596863
3841 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.8823e-04, 3.
0423e-04, 3.0537e-04, ..., 1.0000e+00, 1.0000e+00,
3842 1.0000e+00], grad_fn=<Unique2Backward0>)
3843 42%|██████| 5/12 [00:25<00:32, 4.63s/it]print_dice: 0.5719731450080872, print_iou: 0.
40053388476371765
3844 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.8485e-04, 9.
0481e-04, 9.1489e-04, ..., 9.9998e-01, 9.9998e-01,
3845 9.9998e-01], grad_fn=<Unique2Backward0>)
3846 50%|██████| 6/12 [00:30<00:26, 4.48s/it]print_dice: 0.49879851937294006, print_iou: 0.
.3322662115097046
3847 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.8415e-04, 2.
9628e-04, 3.0186e-04, ..., 1.0000e+00, 1.0000e+00,
3848 1.0000e+00], grad_fn=<Unique2Backward0>)
3849 58%|██████| 7/12 [00:34<00:22, 4.40s/it]print_dice: 0.44324252009391785, print_iou: 0.
.28472161293029785
3850 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.3970e-04, 6.
6189e-04, 6.7249e-04, ..., 9.9997e-01, 9.9997e-01,
3851 9.9997e-01], grad_fn=<Unique2Backward0>)
3852 67%|██████| 8/12 [00:38<00:17, 4.32s/it]print_dice: 0.5461806654930115, print_iou: 0.
37568676471710205
3853 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.9048e-04, 2.
9616e-04, 2.9773e-04, ..., 1.0000e+00, 1.0000e+00,
3854 1.0000e+00], grad_fn=<Unique2Backward0>)
3855 75%|██████| 9/12 [00:42<00:12, 4.25s/it]print_dice: 0.5638929605484009, print_iou: 0.
39265385270118713
3856 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.2416e-04, 3.
2641e-04, 3.2693e-04, ..., 1.0000e+00, 1.0000e+00,
3857 1.0000e+00], grad_fn=<Unique2Backward0>)
3858 print_dice: 0.5763542652130127, print_iou: 0.40484389662742615
3859 83%|██████| 10/12 [00:46<00:08, 4.24s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0012, 0.0013, 0.0013, ..., 0.9999, 0.9999, 0.9999],
3860 grad_fn=<Unique2Backward0>)
3861 92%|██████| 11/12 [00:50<00:04, 4.21s/it]print_dice: 0.6156344413757324, print_iou: 0.
.4447050988674164
3862 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.1856e-04, 3.
2015e-04, 3.2901e-04, ..., 1.0000e+00, 1.0000e+00,
3863 1.0000e+00], grad_fn=<Unique2Backward0>)
3864 100%|██████| 12/12 [00:54<00:00, 4.16s/it]print_dice: 0.57744961977005, print_iou: 0.
40592560172080994
3865 [11/12] eta: 0:00:04 time: 4.5761 data: 0.4006
3866 100%|██████| 12/12 [00:55<00:00, 4.62s/it]
3867 Total time: 0:00:55 (4.6184 s / it)
3868 =====
3869 Averaged stats:
3870 Epoch 24/499: 0%| | 0/160 [00:00<?, ?it/s]epoch: 24 learning rate: 1e-07
3871 Epoch 24/499: 1%| | 1/160 [00:10<27:50, 10.51s/it]print_dice: 0.592401385307312
, print_iou: 0.4208596348762512
3872 [ 0/160] eta: 0:28:01 time: 10.5078 data: 4.1931
3873 Epoch 24/499: 1%| | 2/160 [00:16<21:01, 7.98s/it]print_dice: 0.5093117356300354
, print_iou: 0.34166213870048523
3874 Epoch 24/499: 2%| | 3/160 [00:22<18:49, 7.20s/it]print_dice: 0.530783474445343
, print_iou: 0.3612697720527649

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3875 Epoch 24/499: 2%|█          | 4/160 [00:29<17:38, 6.79s/it]print_dice: 0.5545286536216736
, print_iou: 0.38363173604011536
3876 Epoch 24/499: 3%|█          | 5/160 [00:35<17:03, 6.60s/it]print_dice: 0.5604878664016724
, print_iou: 0.38935962319374084
3877 print_dice: 0.41336125135421753, print_iou: 0.2605263888835907
3878 Epoch 24/499: 4%|█          | 7/160 [00:47<16:23, 6.43s/it]print_dice: 0.495746374130249
, print_iou: 0.3295630216598511
3879 print_dice: 0.46204549074172974, print_iou: 0.3004285991191864
3880 Epoch 24/499: 6%|█          | 9/160 [01:00<15:56, 6.34s/it]print_dice: 0.48053237795829773
, print_iou: 0.3162505030632019
3881 print_dice: 0.5961682796478271, print_iou: 0.4246721863746643
3882 Epoch 24/499: 7%|█          | 11/160 [01:12<15:35, 6.28s/it]print_dice: 0.
49513912200927734, print_iou: 0.3290264904499054
3883 Epoch 24/499: 8%|█          | 12/160 [01:19<15:24, 6.25s/it]print_dice: 0.5305302739143372
, print_iou: 0.36103519797325134
3884 Epoch 24/499: 8%|█          | 13/160 [01:25<15:15, 6.23s/it]print_dice: 0.5608993172645569
, print_iou: 0.38975685834884644
3885 Epoch 24/499: 9%|█          | 14/160 [01:31<15:06, 6.21s/it]print_dice: 0.6126304268836975
, print_iou: 0.4415769577026367
3886 Epoch 24/499: 9%|█          | 15/160 [01:37<15:03, 6.23s/it]print_dice: 0.
48144498467445374, print_iou: 0.3170415163040161
3887 Epoch 24/499: 10%|█         | 16/160 [01:44<15:00, 6.25s/it]print_dice: 0.5651515126228333
, print_iou: 0.393875390291214
3888 Epoch 24/499: 11%|█         | 17/160 [01:50<14:58, 6.29s/it]print_dice: 0.4988902807235718
, print_iou: 0.3323476314544678
3889 Epoch 24/499: 11%|█         | 18/160 [01:56<14:50, 6.27s/it]print_dice: 0.5319514870643616
, print_iou: 0.36235281825065613
3890 Epoch 24/499: 12%|█         | 19/160 [02:02<14:43, 6.27s/it]print_dice: 0.
49553966522216797, print_iou: 0.3293803334236145
3891 print_dice: 0.5424401760101318, print_iou: 0.37215638160705566
3892 Epoch 24/499: 13%|█         | 21/160 [02:15<14:30, 6.26s/it]print_dice: 0.4276994466781616
, print_iou: 0.27202144265174866
3893 Epoch 24/499: 14%|█         | 22/160 [02:21<14:23, 6.26s/it]print_dice: 0.
44010069966316223, print_iou: 0.2821340560913086
3894 Epoch 24/499: 14%|█         | 23/160 [02:27<14:17, 6.26s/it]print_dice: 0.5606448650360107
, print_iou: 0.3895111382007599
3895 Epoch 24/499: 15%|█         | 24/160 [02:34<14:06, 6.22s/it]print_dice: 0.5749446749687195
, print_iou: 0.4034543037414551
3896 print_dice: 0.5247719883918762, print_iou: 0.3557226359844208
3897 Epoch 24/499: 16%|█         | 26/160 [02:46<13:56, 6.25s/it]print_dice: 0.4959259629249573
, print_iou: 0.3297217786312103
3898 Epoch 24/499: 17%|█         | 27/160 [02:52<13:51, 6.25s/it]print_dice: 0.5987213850021362
, print_iou: 0.4272679090499878
3899 print_dice: 0.5059480667114258, print_iou: 0.33864158391952515
3900 Epoch 24/499: 18%|█         | 29/160 [03:05<13:37, 6.24s/it]print_dice: 0.6109198927879333
, print_iou: 0.43980175256729126
3901 Epoch 24/499: 19%|█         | 30/160 [03:11<13:28, 6.22s/it]print_dice: 0.5640865564346313
, print_iou: 0.3928416073322296
3902 print_dice: 0.5942124724388123, print_iou: 0.42269009351730347
3903 Epoch 24/499: 20%|█         | 32/160 [03:24<13:22, 6.27s/it]print_dice: 0.4994353652000427
, print_iou: 0.33283162117004395
3904 Epoch 24/499: 21%|█         | 33/160 [03:30<13:24, 6.34s/it]print_dice: 0.515906810760498
, print_iou: 0.3476242423057556
3905 print_dice: 0.4746973514556885, print_iou: 0.31121519207954407
3906 Epoch 24/499: 22%|█         | 35/160 [03:43<13:19, 6.40s/it]print_dice: 0.5778742432594299
, print_iou: 0.4063454270362854
3907 Epoch 24/499: 22%|█         | 36/160 [03:49<13:10, 6.38s/it]print_dice: 0.5164152383804321
, print_iou: 0.34808608889579773
3908 Epoch 24/499: 23%|█         | 37/160 [03:56<13:05, 6.38s/it]print_dice: 0.5465619564056396
, print_iou: 0.37604764103889465
3909 Epoch 24/499: 24%|█         | 38/160 [04:02<12:55, 6.35s/it]print_dice: 0.5147261619567871
, print_iou: 0.3465530276298523
3910 print_dice: 0.5634929537773132, print_iou: 0.39226606488227844
3911 Epoch 24/499: 25%|█         | 40/160 [04:14<12:31, 6.26s/it]print_dice: 0.5579196214675903
, print_iou: 0.38688522577285767
3912 Epoch 24/499: 26%|█         | 41/160 [04:21<12:26, 6.28s/it]print_dice: 0.5355780124664307
, print_iou: 0.3657265603542328
3913 Epoch 24/499: 26%|█         | 42/160 [04:27<12:17, 6.25s/it]print_dice: 0.5563092231750488
, print_iou: 0.3853382170200348

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3914 Epoch 24/499: 27%|██████| 43/160 [04:33<12:12, 6.26s/it]print_dice: 0.
    47780972719192505, print_iou: 0.31389617919921875
3915 Epoch 24/499: 28%|██████| 44/160 [04:39<12:03, 6.24s/it]print_dice: 0.4204237163066864
    , print_iou: 0.26616233587265015
3916 Epoch 24/499: 28%|██████| 45/160 [04:46<11:58, 6.25s/it]print_dice: 0.
    47724220156669617, print_iou: 0.31340649724006653
3917 print_dice: 0.542472779750824, print_iou: 0.372187077999115
3918 Epoch 24/499: 29%|██████| 47/160 [04:58<11:46, 6.25s/it]print_dice: 0.
    46882519125938416, print_iou: 0.30618658661842346
3919 Epoch 24/499: 30%|██████| 48/160 [05:04<11:39, 6.24s/it]print_dice: 0.5398154258728027
    , print_iou: 0.36968985199928284
3920 Epoch 24/499: 31%|██████| 49/160 [05:11<11:32, 6.24s/it]print_dice: 0.5493002533912659
    , print_iou: 0.37864503264427185
3921 Epoch 24/499: 31%|██████| 50/160 [05:17<11:27, 6.25s/it]print_dice: 0.5268253087997437
    , print_iou: 0.3576122224330902
3922 Epoch 24/499: 32%|██████| 51/160 [05:23<11:18, 6.22s/it]print_dice: 0.590778648853302
    , print_iou: 0.41922345757484436
3923 Epoch 24/499: 32%|██████| 52/160 [05:29<11:10, 6.21s/it]print_dice: 0.5209524631500244
    , print_iou: 0.3522215783596039
3924 print_dice: 0.4997525215148926, print_iou: 0.3331134021282196
3925 Epoch 24/499: 34%|██████| 54/160 [05:42<11:00, 6.23s/it]print_dice: 0.5497074127197266
    , print_iou: 0.37903204560279846
3926 print_dice: 0.570800244808197, print_iou: 0.3993844985961914
3927 Epoch 24/499: 35%|██████| 56/160 [05:54<10:50, 6.25s/it]print_dice: 0.5543152093887329
    , print_iou: 0.3834274113178253
3928 Epoch 24/499: 36%|██████| 57/160 [06:00<10:43, 6.25s/it]print_dice: 0.5113049149513245
    , print_iou: 0.34345847368240356
3929 print_dice: 0.4613122045993805, print_iou: 0.2998088598251343
3930 Epoch 24/499: 37%|██████| 59/160 [06:13<10:29, 6.24s/it]print_dice: 0.5867013931274414
    , print_iou: 0.4151291251182556
3931 print_dice: 0.5988946557044983, print_iou: 0.4274443984031677
3932 Epoch 24/499: 38%|██████| 61/160 [06:25<10:14, 6.21s/it]print_dice: 0.4737044870853424
    , print_iou: 0.3103622496128082
3933 Epoch 24/499: 39%|██████| 62/160 [06:32<10:09, 6.22s/it]print_dice: 0.5453869700431824
    , print_iou: 0.3749361038208008
3934 Epoch 24/499: 39%|██████| 63/160 [06:41<11:34, 7.16s/it]print_dice: 0.5542575120925903
    , print_iou: 0.3833722174167633
3935 Epoch 24/499: 40%|██████| 64/160 [06:47<11:01, 6.89s/it]print_dice: 0.5352348685264587
    , print_iou: 0.3654066026210785
3936 print_dice: 0.5291735529899597, print_iou: 0.3597797453403473
3937 Epoch 24/499: 41%|██████| 66/160 [07:00<10:17, 6.57s/it]print_dice: 0.5719723105430603
    , print_iou: 0.4005330801010132
3938 print_dice: 0.5200358033180237, print_iou: 0.3513840436935425
3939 Epoch 24/499: 42%|██████| 68/160 [07:12<09:49, 6.40s/it]print_dice: 0.5485759973526001
    , print_iou: 0.3779571056365967
3940 Epoch 24/499: 43%|██████| 69/160 [07:18<09:39, 6.36s/it]print_dice: 0.5311952829360962
    , print_iou: 0.36165139079093933
3941 print_dice: 0.45664823055267334, print_iou: 0.29588085412979126
3942 Epoch 24/499: 44%|██████| 71/160 [07:31<09:22, 6.31s/it]print_dice: 0.513704240322113
    , print_iou: 0.34562721848487854
3943 Epoch 24/499: 45%|██████| 72/160 [07:37<09:14, 6.30s/it]print_dice: 0.5529317259788513
    , print_iou: 0.3821047842502594
3944 print_dice: 0.44065025448799133, print_iou: 0.28258588910102844
3945 Epoch 24/499: 46%|██████| 74/160 [07:50<09:02, 6.31s/it]print_dice: 0.5404530763626099
    , print_iou: 0.37028825283050537
3946 Epoch 24/499: 47%|██████| 75/160 [07:56<08:52, 6.26s/it]print_dice: 0.5715250968933105
    , print_iou: 0.400094598531723
3947 Epoch 24/499: 48%|██████| 76/160 [08:02<08:45, 6.25s/it]print_dice: 0.5411880612373352
    , print_iou: 0.3709786534309387
3948 print_dice: 0.5567854046821594, print_iou: 0.3857952952384949
3949 Epoch 24/499: 49%|██████| 78/160 [08:15<08:33, 6.26s/it]print_dice: 0.5663974285125732
    , print_iou: 0.39508679509162903
3950 Epoch 24/499: 49%|██████| 79/160 [08:21<08:29, 6.29s/it]print_dice: 0.5731285810470581
    , print_iou: 0.401667982339859
3951 print_dice: 0.5012309551239014, print_iou: 0.3344283998012543
3952 Epoch 24/499: 51%|██████| 81/160 [08:34<08:15, 6.27s/it]print_dice: 0.
    47520628571510315, print_iou: 0.3116528391838074
3953 print_dice: 0.5109655857086182, print_iou: 0.3431522846221924
3954 Epoch 24/499: 52%|██████| 83/160 [08:46<08:02, 6.27s/it]print_dice: 0.515940248966217

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3954 , print_iou: 0.34765464067459106
3955 Epoch 24/499: 52%|██████| 84/160 [08:52<07:54, 6.25s/it]print_dice: 0.5145214796066284
, print_iou: 0.3463674783706665
3956 Epoch 24/499: 53%|██████| 85/160 [08:59<07:49, 6.26s/it]print_dice: 0.590741753578186
, print_iou: 0.4191862940788269
3957 Epoch 24/499: 54%|██████| 86/160 [09:05<07:40, 6.23s/it]print_dice: 0.5187497735023499
, print_iou: 0.3502107262611389
3958 print_dice: 0.5302661657333374, print_iou: 0.3607906401157379
3959 Epoch 24/499: 55%|██████| 88/160 [09:17<07:27, 6.21s/it]print_dice: 0.500290036201477
, print_iou: 0.33359119296073914
3960 Epoch 24/499: 56%|██████| 89/160 [09:23<07:21, 6.21s/it]print_dice: 0.5809050798416138
, print_iou: 0.4093489646911621
3961 Epoch 24/499: 56%|██████| 90/160 [09:30<07:15, 6.22s/it]print_dice: 0.5101369619369507
, print_iou: 0.3424052596092224
3962 Epoch 24/499: 57%|██████| 91/160 [09:36<07:08, 6.21s/it]print_dice: 0.4822310507297516
, print_iou: 0.3177236318588257
3963 Epoch 24/499: 57%|██████| 92/160 [09:42<07:03, 6.23s/it]print_dice: 0.5202585458755493
, print_iou: 0.3515874445438385
3964 Epoch 24/499: 58%|██████| 93/160 [09:48<06:57, 6.23s/it]print_dice: 0.5287266969680786
, print_iou: 0.3593667149543762
3965 print_dice: 0.591721773147583, print_iou: 0.4201739430427551
3966 Epoch 24/499: 59%|██████| 95/160 [10:01<06:43, 6.21s/it]print_dice: 0.6090859770774841
, print_iou: 0.43790340423583984
3967 Epoch 24/499: 60%|██████| 96/160 [10:07<06:37, 6.22s/it]print_dice: 0.5347505807876587
, print_iou: 0.3649553656578064
3968 print_dice: 0.5322392582893372, print_iou: 0.36261990666389465
3969 Epoch 24/499: 61%|██████| 98/160 [10:20<06:28, 6.26s/it]print_dice: 0.5225791335105896
, print_iou: 0.353710412979126
3970 print_dice: 0.5626844167709351, print_iou: 0.3914828896522522
3971 Epoch 24/499: 62%|██████| 100/160 [10:32<06:15, 6.26s/it]print_dice: 0.
5422315001487732, print_iou: 0.37195998430252075
3972 Epoch 24/499: 63%|██████| 101/160 [10:38<06:09, 6.26s/it]print_dice: 0.
5048102140426636, print_iou: 0.33762282133102417
3973 [100/160] eta: 0:06:19 time: 6.2372 data: 0.0005
3974 Epoch 24/499: 64%|██████| 102/160 [10:45<06:02, 6.25s/it]print_dice: 0.
4642397165298462, print_iou: 0.3022865951061249
3975 Epoch 24/499: 64%|██████| 103/160 [10:51<05:56, 6.25s/it]print_dice: 0.
46485787630081177, print_iou: 0.3028109669685364
3976 Epoch 24/499: 65%|██████| 104/160 [10:57<05:49, 6.24s/it]print_dice: 0.
5560431480407715, print_iou: 0.3850829601287842
3977 print_dice: 0.4756239354610443, print_iou: 0.3120121955871582
3978 Epoch 24/499: 66%|██████| 106/160 [11:10<05:38, 6.27s/it]print_dice: 0.
6154516339302063, print_iou: 0.44451436400413513
3979 Epoch 24/499: 67%|██████| 107/160 [11:16<05:33, 6.28s/it]print_dice: 0.
4847621023654938, print_iou: 0.3199247419834137
3980 Epoch 24/499: 68%|██████| 108/160 [11:22<05:24, 6.24s/it]print_dice: 0.
5269996523857117, print_iou: 0.35777291655540466
3981 Epoch 24/499: 68%|██████| 109/160 [11:28<05:18, 6.24s/it]print_dice: 0.
5240150094032288, print_iou: 0.35502731800079346
3982 Epoch 24/499: 69%|██████| 110/160 [11:35<05:12, 6.24s/it]print_dice: 0.
5863197445869446, print_iou: 0.41474705934524536
3983 Epoch 24/499: 69%|██████| 111/160 [11:41<05:06, 6.26s/it]print_dice: 0.
4856956899166107, print_iou: 0.3207384943962097
3984 Epoch 24/499: 70%|██████| 112/160 [11:47<05:00, 6.25s/it]print_dice: 0.
4817187488079071, print_iou: 0.31727898120880127
3985 Epoch 24/499: 71%|██████| 113/160 [11:53<04:54, 6.26s/it]print_dice: 0.
5807079672813416, print_iou: 0.4091532528400421
3986 Epoch 24/499: 71%|██████| 114/160 [12:00<04:47, 6.25s/it]print_dice: 0.
49841374158859253, print_iou: 0.33192482590675354
3987 Epoch 24/499: 72%|██████| 115/160 [12:06<04:41, 6.26s/it]print_dice: 0.
4957682490348816, print_iou: 0.3295823633670807
3988 print_dice: 0.5002001523971558, print_iou: 0.33351123332977295
3989 Epoch 24/499: 73%|██████| 117/160 [12:18<04:29, 6.27s/it]print_dice: 0.
5751076936721802, print_iou: 0.4036148488521576
3990 Epoch 24/499: 74%|██████| 118/160 [12:25<04:24, 6.29s/it]print_dice: 0.
5497869253158569, print_iou: 0.37910768389701843
3991 Epoch 24/499: 74%|██████| 119/160 [12:31<04:18, 6.31s/it]print_dice: 0.
6095695495605469, print_iou: 0.43840348720550537
3992 print_dice: 0.5787175297737122, print_iou: 0.4071798324584961

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3993 Epoch 24/499: 76%|██████████| 121/160 [12:44<04:06, 6.31s/it]print_dice: 0.
5456922054290771, print_iou: 0.3752247095108032
3994 Epoch 24/499: 76%|██████████| 122/160 [12:50<03:59, 6.29s/it]print_dice: 0.
4949544668197632, print_iou: 0.3288634419441223
3995 Epoch 24/499: 77%|██████████| 123/160 [12:56<03:52, 6.28s/it]print_dice: 0.
4511346220970154, print_iou: 0.2912678122520447
3996 Epoch 24/499: 78%|██████████| 124/160 [13:02<03:45, 6.27s/it]print_dice: 0.
6026702523231506, print_iou: 0.43130141496658325
3997 Epoch 24/499: 78%|██████████| 125/160 [13:09<03:40, 6.29s/it]print_dice: 0.
5179573893547058, print_iou: 0.34948885440826416
3998 Epoch 24/499: 79%|██████████| 126/160 [13:15<03:33, 6.29s/it]print_dice: 0.
5489838719367981, print_iou: 0.37834444642066956
3999 print_dice: 0.5026499629020691, print_iou: 0.33569300174713135
4000 Epoch 24/499: 80%|██████████| 128/160 [13:28<03:21, 6.29s/it]print_dice: 0.
5021035671234131, print_iou: 0.3352057933807373
4001 print_dice: 0.5308817028999329, print_iou: 0.3613607585430145
4002 Epoch 24/499: 81%|██████████| 130/160 [13:40<03:09, 6.31s/it]print_dice: 0.
5570880770683289, print_iou: 0.38608598709106445
4003 print_dice: 0.5319820046424866, print_iou: 0.36238113045692444
4004 Epoch 24/499: 82%|██████████| 132/160 [13:53<02:55, 6.26s/it]print_dice: 0.59177166223526
, print_iou: 0.42022421956062317
4005 Epoch 24/499: 83%|██████████| 133/160 [13:59<02:48, 6.25s/it]print_dice: 0.
4366738796234131, print_iou: 0.27932360768318176
4006 print_dice: 0.48819974064826965, print_iou: 0.3229260742664337
4007 Epoch 24/499: 84%|██████████| 135/160 [14:11<02:36, 6.25s/it]print_dice: 0.
46449562907218933, print_iou: 0.3025036156177521
4008 print_dice: 0.5815842151641846, print_iou: 0.4100237786769867
4009 Epoch 24/499: 86%|██████████| 137/160 [14:24<02:25, 6.34s/it]print_dice: 0.
4871870279312134, print_iou: 0.32204049825668335
4010 Epoch 24/499: 86%|██████████| 138/160 [14:31<02:20, 6.39s/it]print_dice: 0.
4958760738372803, print_iou: 0.32967767119407654
4011 print_dice: 0.4651951193809509, print_iou: 0.3030972480773926
4012 Epoch 24/499: 88%|██████████| 140/160 [14:43<02:07, 6.37s/it]print_dice: 0.
6407445073127747, print_iou: 0.47139376401901245
4013 Epoch 24/499: 88%|██████████| 141/160 [14:50<02:00, 6.37s/it]print_dice: 0.
5411309003829956, print_iou: 0.3709249496459961
4014 Epoch 24/499: 89%|██████████| 142/160 [14:56<01:53, 6.33s/it]print_dice: 0.
5098405480384827, print_iou: 0.34213826060295105
4015 Epoch 24/499: 89%|██████████| 143/160 [15:02<01:47, 6.32s/it]print_dice: 0.
5575546026229858, print_iou: 0.38653430342674255
4016 Epoch 24/499: 90%|██████████| 144/160 [15:09<01:41, 6.31s/it]print_dice: 0.
48763301968574524, print_iou: 0.3224303722381592
4017 print_dice: 0.4425681531429291, print_iou: 0.2841653525829315
4018 Epoch 24/499: 91%|██████████| 146/160 [15:21<01:28, 6.29s/it]print_dice: 0.
5415716171264648, print_iou: 0.37133920192718506
4019 Epoch 24/499: 92%|██████████| 147/160 [15:28<01:21, 6.30s/it]print_dice: 0.
5613924264907837, print_iou: 0.39023318886756897
4020 Epoch 24/499: 92%|██████████| 148/160 [15:34<01:15, 6.27s/it]print_dice: 0.
4830285608768463, print_iou: 0.31841638684272766
4021 Epoch 24/499: 93%|██████████| 149/160 [15:40<01:09, 6.29s/it]print_dice: 0.
5323513150215149, print_iou: 0.3627239763736725
4022 print_dice: 0.5484731197357178, print_iou: 0.3778594136238098
4023 Epoch 24/499: 94%|██████████| 151/160 [15:53<00:56, 6.32s/it]print_dice: 0.
5233506560325623, print_iou: 0.35441768169403076
4024 Epoch 24/499: 95%|██████████| 152/160 [15:59<00:50, 6.33s/it]print_dice: 0.
5409740209579468, print_iou: 0.37077751755714417
4025 Epoch 24/499: 96%|██████████| 153/160 [16:05<00:44, 6.32s/it]print_dice: 0.
4409768879413605, print_iou: 0.2828546166419983
4026 Epoch 24/499: 96%|██████████| 154/160 [16:12<00:37, 6.32s/it]print_dice: 0.
5280116200447083, print_iou: 0.35870635509490967
4027 Epoch 24/499: 97%|██████████| 155/160 [16:18<00:31, 6.32s/it]print_dice: 0.508840024471283
, print_iou: 0.3412376940250397
4028 Epoch 24/499: 98%|██████████| 156/160 [16:24<00:25, 6.29s/it]print_dice: 0.
5623664259910583, print_iou: 0.3911750912666321
4029 Epoch 24/499: 98%|██████████| 157/160 [16:31<00:18, 6.29s/it]print_dice: 0.
47923073172569275, print_iou: 0.31512388586997986
4030 print_dice: 0.48951855301856995, print_iou: 0.324081152677536
4031 Epoch 24/499: 99%|██████████| 159/160 [16:43<00:06, 6.24s/it]print_dice: 0.
4518014192581177, print_iou: 0.29182395339012146

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4032 Epoch 24/499: 100%|██████████| 160/160 [16:49<00:00, 6.22s/it]print_dice: 0.
    5852106213569641, print_iou: 0.4136379659175873
4033 [159/160] eta: 0:00:06 time: 6.2825 data: 0.0004
4034 Epoch 24/499: 100%|██████████| 160/160 [16:50<00:00, 6.31s/it]
4035 Total time: 0:16:50 (6.3141 s / it)
4036 Averaged stats: training_loss: -752.8044 (-752.8044) loss_mask: -752.7184 (-752.7184)
    loss_dice: -0.0860 (-0.0860)
4037 Net parameter norm: 1053.834909151774
4038 0%|██████████| 0/12 [00:00<?, ?it/s]Validating...
4039 Valid_dataloader len: 12
4040 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.4471e-04, 2.
    5953e-04, 2.6558e-04, ..., 1.0000e+00, 1.0000e+00,
4041     1.0000e+00], grad_fn=<Unique2Backward0>)
4042 8%|███████| 1/12 [00:08<01:38, 8.93s/it]print_dice: 0.563617467880249, print_iou: 0.
    39238670468330383
4043 [ 0/12] eta: 0:01:47 time: 8.9271 data: 4.7485
4044 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.8426e-04, 3.
    0093e-04, 3.0151e-04, ..., 1.0000e+00, 1.0000e+00,
4045     1.0000e+00], grad_fn=<Unique2Backward0>)
4046 print_dice: 0.6106568574905396, print_iou: 0.4395292103290558
4047 17%|███████| 2/12 [00:13<01:02, 6.22s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([3.1963e-04, 3.2224e-04, 3.2328e-04, ..., 1.0000e+00, 1.
    0000e+00,
4048     1.0000e+00], grad_fn=<Unique2Backward0>)
4049 25%|███████| 3/12 [00:17<00:47, 5.32s/it]print_dice: 0.5388355255126953, print_iou: 0.
    3687713146209717
4050 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.9047e-04, 7.
    0269e-04, 7.2219e-04, ..., 9.9998e-01, 9.9998e-01,
4051     9.9998e-01], grad_fn=<Unique2Backward0>)
4052 33%|███████| 4/12 [00:21<00:39, 4.88s/it]print_dice: 0.5279158353805542, print_iou: 0.
    35861796140670776
4053 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.1966e-04, 3.
    2232e-04, 3.2341e-04, ..., 1.0000e+00, 1.0000e+00,
4054     1.0000e+00], grad_fn=<Unique2Backward0>)
4055 print_dice: 0.5829628109931946, print_iou: 0.4113955795764923
4056 42%|███████| 5/12 [00:25<00:32, 4.63s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([6.5025e-04, 6.8499e-04, 6.9519e-04, ..., 9.9996e-01, 9.
    9996e-01,
4057     9.9996e-01], grad_fn=<Unique2Backward0>)
4058 50%|███████| 6/12 [00:30<00:26, 4.49s/it]print_dice: 0.5139966011047363, print_iou: 0.
    34589195251464844
4059 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.7539e-04, 2.
    8692e-04, 2.8958e-04, ..., 1.0000e+00, 1.0000e+00,
4060     1.0000e+00], grad_fn=<Unique2Backward0>)
4061 58%|███████| 7/12 [00:34<00:22, 4.42s/it]print_dice: 0.4436282515525818, print_iou: 0.
    2850400507450104
4062 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.1953e-04, 3.
    2226e-04, 3.2326e-04, ..., 1.0000e+00, 1.0000e+00,
4063     1.0000e+00], grad_fn=<Unique2Backward0>)
4064 67%|███████| 8/12 [00:38<00:17, 4.39s/it]print_dice: 0.551201343536377, print_iou: 0.
    38045409321784973
4065 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.8215e-04, 2.
    8702e-04, 2.8954e-04, ..., 1.0000e+00, 1.0000e+00,
4066     1.0000e+00], grad_fn=<Unique2Backward0>)
4067 75%|███████| 9/12 [00:42<00:13, 4.35s/it]print_dice: 0.569705605506897, print_iou: 0.
    3983134925365448
4068 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.1957e-04, 3.
    2219e-04, 3.2326e-04, ..., 1.0000e+00, 1.0000e+00,
4069     1.0000e+00], grad_fn=<Unique2Backward0>)
4070 83%|███████| 10/12 [00:47<00:08, 4.33s/it]print_dice: 0.58199143409729, print_iou: 0.
    4104287028312683
4071 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.7501e-04, 6.
    3845e-04, 6.5559e-04, ..., 9.9998e-01, 9.9998e-01,
4072     9.9998e-01], grad_fn=<Unique2Backward0>)
4073 print_dice: 0.6192456483840942, print_iou: 0.44848355650901794
4074 92%|███████| 11/12 [00:51<00:04, 4.24s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([3.1034e-04, 3.1037e-04, 3.1935e-04, ..., 1.0000e+00, 1.
    0000e+00,
4075     1.0000e+00], grad_fn=<Unique2Backward0>)

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4076 100%|██████████| 12/12 [00:55<00:00, 4.22s/it]print_dice: 0.5824505686759949, print_iou: 0
.4108855724334717
4077 [11/12] eta: 0:00:04 time: 4.6217 data: 0.3966
4078 Total time: 0:00:55 (4.6567 s / it)
4079 =====
4080 Averaged stats:
4081 100%|██████████| 12/12 [00:55<00:00, 4.66s/it]
4082 Epoch 25/499: 0%| | 0/160 [00:00<?, ?it/s]epoch: 25 learning rate: 1e-07
4083 Epoch 25/499: 1%| | 1/160 [00:10<27:53, 10.53s/it]print_dice: 0.4860294759273529
, print_iou: 0.3210296928882599
4084 [ 0/160] eta: 0:28:04 time: 10.5282 data: 4.2637
4085 print_dice: 0.5415528416633606, print_iou: 0.37132155895233154
4086 Epoch 25/499: 2%| | 3/160 [00:22<18:34, 7.10s/it]print_dice: 0.456157922744751
, print_iou: 0.2954693138599396
4087 Epoch 25/499: 2%| | 4/160 [00:29<17:40, 6.80s/it]print_dice: 0.5224990248680115
, print_iou: 0.35363703966140747
4088 Epoch 25/499: 3%| | 5/160 [00:35<17:11, 6.65s/it]print_dice: 0.5055776834487915
, print_iou: 0.33830979466438293
4089 Epoch 25/499: 4%| | 6/160 [00:41<16:36, 6.47s/it]print_dice: 0.5149120688438416
, print_iou: 0.3467215895652771
4090 Epoch 25/499: 4%| | 7/160 [00:48<16:27, 6.46s/it]print_dice: 0.5078718066215515
, print_iou: 0.3403674066066742
4091 Epoch 25/499: 5%| | 8/160 [00:54<16:11, 6.39s/it]print_dice: 0.5702503323554993
, print_iou: 0.398846298456192
4092 print_dice: 0.5508179664611816, print_iou: 0.3800888955593109
4093 Epoch 25/499: 6%| | 10/160 [01:06<15:46, 6.31s/it]print_dice: 0.6206408143043518
, print_iou: 0.44994866847991943
4094 Epoch 25/499: 7%| | 11/160 [01:12<15:36, 6.29s/it]print_dice: 0.5481418967247009
, print_iou: 0.3775450587272644
4095 Epoch 25/499: 8%| | 12/160 [01:19<15:29, 6.28s/it]print_dice: 0.5347632169723511
, print_iou: 0.36496707797050476
4096 print_dice: 0.5139772891998291, print_iou: 0.34587445855140686
4097 Epoch 25/499: 9%| | 14/160 [01:31<15:06, 6.21s/it]print_dice: 0.5680458545684814
, print_iou: 0.39669278264045715
4098 print_dice: 0.5095862150192261, print_iou: 0.3419091999530792
4099 Epoch 25/499: 10%| | 16/160 [01:43<14:49, 6.18s/it]print_dice: 0.54888516664505
, print_iou: 0.37825068831443787
4100 Epoch 25/499: 11%| | 17/160 [01:50<14:50, 6.23s/it]print_dice: 0.4788731634616852
, print_iou: 0.3148147463798523
4101 Epoch 25/499: 11%| | 18/160 [01:56<14:41, 6.21s/it]print_dice: 0.5476314425468445
, print_iou: 0.3770609498023987
4102 Epoch 25/499: 12%| | 19/160 [02:02<14:39, 6.24s/it]print_dice: 0.4929274618625641
, print_iou: 0.32707613706588745
4103 Epoch 25/499: 12%| | 20/160 [02:08<14:34, 6.25s/it]print_dice: 0.4759337902069092
, print_iou: 0.31227895617485046
4104 Epoch 25/499: 13%| | 21/160 [02:15<14:30, 6.26s/it]print_dice: 0.5010344386100769
, print_iou: 0.3342534601688385
4105 Epoch 25/499: 14%| | 22/160 [02:21<14:21, 6.24s/it]print_dice: 0.5371697545051575
, print_iou: 0.3672126531600952
4106 Epoch 25/499: 14%| | 23/160 [02:27<14:16, 6.25s/it]print_dice: 0.5578601956367493
, print_iou: 0.38682809472084045
4107 print_dice: 0.5999747514724731, print_iou: 0.42854562401771545
4108 Epoch 25/499: 16%| | 25/160 [02:40<14:02, 6.24s/it]print_dice: 0.5129114389419556
, print_iou: 0.34490981698036194
4109 Epoch 25/499: 16%| | 26/160 [02:46<13:53, 6.22s/it]print_dice: 0.5052462220191956
, print_iou: 0.33801302313804626
4110 Epoch 25/499: 17%| | 27/160 [02:52<13:46, 6.22s/it]print_dice: 0.5821697115898132
, print_iou: 0.4106060564517975
4111 Epoch 25/499: 18%| | 28/160 [02:58<13:42, 6.23s/it]print_dice: 0.5401267409324646
, print_iou: 0.369981974363327
4112 Epoch 25/499: 18%| | 29/160 [03:05<13:42, 6.28s/it]print_dice: 0.5888060927391052
, print_iou: 0.4172396659851074
4113 Epoch 25/499: 19%| | 30/160 [03:11<13:39, 6.30s/it]print_dice: 0.5540832877159119
, print_iou: 0.3832055330276489
4114 Epoch 25/499: 19%| | 31/160 [03:17<13:33, 6.31s/it]print_dice: 0.6149212121963501
, print_iou: 0.4439612030982971
4115 Epoch 25/499: 20%| | 32/160 [03:24<13:27, 6.31s/it]print_dice: 0.528642475605011
, print_iou: 0.35928893089294434
4116 Epoch 25/499: 21%| | 33/160 [03:30<13:19, 6.29s/it]print_dice: 0.5089553594589233

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4116 , print_iou: 0.341341495513916
4117 print_dice: 0.5669490694999695, print_iou: 0.3956237733364105
4118 Epoch 25/499: 22%|██████| 35/160 [03:43<13:09, 6.32s/it]print_dice: 0.5443111658096313
, print_iou: 0.3739199936389923
4119 print_dice: 0.5422687530517578, print_iou: 0.3719950020313263
4120 Epoch 25/499: 23%|██████| 37/160 [03:55<12:56, 6.32s/it]print_dice: 0.
47615787386894226, print_iou: 0.3124718964099884
4121 print_dice: 0.4657113254070282, print_iou: 0.3035356402397156
4122 Epoch 25/499: 24%|██████| 39/160 [04:08<12:43, 6.31s/it]print_dice: 0.5335445404052734
, print_iou: 0.3638327717781067
4123 Epoch 25/499: 25%|██████| 40/160 [04:14<12:39, 6.33s/it]print_dice: 0.5397076606750488
, print_iou: 0.3695887625217438
4124 print_dice: 0.46749481558799744, print_iou: 0.30505266785621643
4125 Epoch 25/499: 26%|██████| 42/160 [04:26<12:16, 6.24s/it]print_dice: 0.
48012784123420715, print_iou: 0.31590014696121216
4126 Epoch 25/499: 27%|██████| 43/160 [04:33<12:05, 6.20s/it]print_dice: 0.5618399381637573
, print_iou: 0.39066576957702637
4127 print_dice: 0.5505600571632385, print_iou: 0.3798433244228363
4128 Epoch 25/499: 28%|██████| 45/160 [04:45<11:59, 6.25s/it]print_dice: 0.4996950924396515
, print_iou: 0.3330623507499695
4129 Epoch 25/499: 29%|██████| 46/160 [04:51<11:47, 6.20s/it]print_dice: 0.5308113098144531
, print_iou: 0.36129555106163025
4130 Epoch 25/499: 29%|██████| 47/160 [04:57<11:36, 6.17s/it]print_dice: 0.5651133060455322
, print_iou: 0.3938382863998413
4131 Epoch 25/499: 30%|██████| 48/160 [05:03<11:30, 6.16s/it]print_dice: 0.5024977326393127
, print_iou: 0.335557222366333
4132 Epoch 25/499: 31%|██████| 49/160 [05:10<11:30, 6.22s/it]print_dice: 0.
47386500239372253, print_iou: 0.31050005555152893
4133 Epoch 25/499: 31%|██████| 50/160 [05:16<11:26, 6.24s/it]print_dice: 0.5654111504554749
, print_iou: 0.39412763714790344
4134 Epoch 25/499: 32%|██████| 51/160 [05:22<11:23, 6.27s/it]print_dice: 0.5990881323814392
, print_iou: 0.4276415705680847
4135 print_dice: 0.5572986602783203, print_iou: 0.3862883150577545
4136 Epoch 25/499: 33%|██████| 53/160 [05:35<11:10, 6.27s/it]print_dice: 0.5271597504615784
, print_iou: 0.3579205274581909
4137 Epoch 25/499: 34%|██████| 54/160 [05:41<11:06, 6.29s/it]print_dice: 0.5682541131973267
, print_iou: 0.3968959450721741
4138 Epoch 25/499: 34%|██████| 55/160 [05:48<11:09, 6.38s/it]print_dice: 0.567686915397644
, print_iou: 0.39634275436401367
4139 Epoch 25/499: 35%|██████| 56/160 [05:54<11:04, 6.39s/it]print_dice: 0.
46471285820007324, print_iou: 0.3026879131793976
4140 print_dice: 0.5211107134819031, print_iou: 0.35236629843711853
4141 Epoch 25/499: 36%|██████| 58/160 [06:07<10:41, 6.29s/it]print_dice: 0.44535031914711
, print_iou: 0.2864634692668915
4142 Epoch 25/499: 37%|██████| 59/160 [06:13<10:31, 6.25s/it]print_dice: 0.5373678207397461
, print_iou: 0.36739781498908997
4143 Epoch 25/499: 38%|██████| 60/160 [06:19<10:27, 6.28s/it]print_dice: 0.5002122521400452
, print_iou: 0.3335220217704773
4144 Epoch 25/499: 38%|██████| 61/160 [06:25<10:21, 6.28s/it]print_dice: 0.
43773308396339417, print_iou: 0.28019097447395325
4145 Epoch 25/499: 39%|██████| 62/160 [06:32<10:13, 6.26s/it]print_dice: 0.4775049090385437
, print_iou: 0.31363314390182495
4146 Epoch 25/499: 39%|██████| 63/160 [06:38<10:07, 6.26s/it]print_dice: 0.5497974753379822
, print_iou: 0.3791177272796631
4147 print_dice: 0.5656949281692505, print_iou: 0.39440348744392395
4148 Epoch 25/499: 41%|██████| 65/160 [06:51<09:58, 6.31s/it]print_dice: 0.
44960635900497437, print_iou: 0.2899949550628662
4149 Epoch 25/499: 41%|██████| 66/160 [06:57<09:53, 6.32s/it]print_dice: 0.5446239709854126
, print_iou: 0.374215304851532
4150 Epoch 25/499: 42%|██████| 67/160 [07:03<09:47, 6.32s/it]print_dice: 0.5583516359329224
, print_iou: 0.38730087876319885
4151 print_dice: 0.4210972189903259, print_iou: 0.26670244336128235
4152 Epoch 25/499: 43%|██████| 69/160 [07:16<09:36, 6.33s/it]print_dice: 0.
49803268909454346, print_iou: 0.33158689737319946
4153 print_dice: 0.6158191561698914, print_iou: 0.44489791989326477
4154 Epoch 25/499: 44%|██████| 71/160 [07:28<09:15, 6.24s/it]print_dice: 0.
47031837701797485, print_iou: 0.30746161937713623
4155 Epoch 25/499: 45%|██████| 72/160 [07:34<09:05, 6.20s/it]print_dice: 0.5747189521789551
, print_iou: 0.40323200821876526

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4156 Epoch 25/499: 46%|██████| 73/160 [07:41<09:00, 6.21s/it]print_dice: 0.586395800113678
, print_iou: 0.41482317447662354
4157 print_dice: 0.48246654868125916, print_iou: 0.31792810559272766
4158 Epoch 25/499: 47%|██████| 75/160 [07:53<08:52, 6.27s/it]print_dice: 0.5135666728019714
, print_iou: 0.34550267457962036
4159 print_dice: 0.5456955432891846, print_iou: 0.37522783875465393
4160 Epoch 25/499: 48%|██████| 77/160 [08:06<08:40, 6.27s/it]print_dice: 0.4531475603580475
, print_iou: 0.2929481565952301
4161 print_dice: 0.5336907505989075, print_iou: 0.36396872997283936
4162 Epoch 25/499: 49%|██████| 79/160 [08:18<08:28, 6.27s/it]print_dice: 0.6155157089233398
, print_iou: 0.44458121061325073
4163 print_dice: 0.5849855542182922, print_iou: 0.4134131371974945
4164 Epoch 25/499: 51%|██████| 81/160 [08:31<08:15, 6.28s/it]print_dice: 0.5431675910949707
, print_iou: 0.3728415071964264
4165 Epoch 25/499: 51%|██████| 82/160 [08:37<08:10, 6.29s/it]print_dice: 0.
48841115832328796, print_iou: 0.3231111168861389
4166 Epoch 25/499: 52%|██████| 83/160 [08:43<08:01, 6.26s/it]print_dice: 0.5434964895248413
, print_iou: 0.3731515407562256
4167 Epoch 25/499: 52%|██████| 84/160 [08:50<07:55, 6.26s/it]print_dice: 0.5446178913116455
, print_iou: 0.37420958280563354
4168 Epoch 25/499: 53%|██████| 85/160 [08:56<07:49, 6.26s/it]print_dice: 0.5590324401855469
, print_iou: 0.38795632123947144
4169 Epoch 25/499: 54%|██████| 86/160 [09:02<07:43, 6.26s/it]print_dice: 0.
49724841117858887, print_iou: 0.3308919668197632
4170 Epoch 25/499: 54%|██████| 87/160 [09:08<07:37, 6.26s/it]print_dice: 0.5318777561187744
, print_iou: 0.362284392118454
4171 Epoch 25/499: 55%|██████| 88/160 [09:15<07:32, 6.28s/it]print_dice: 0.5969944000244141
, print_iou: 0.42551103234291077
4172 Epoch 25/499: 56%|██████| 89/160 [09:21<07:28, 6.32s/it]print_dice: 0.
44478926062583923, print_iou: 0.2859993577003479
4173 Epoch 25/499: 56%|██████| 90/160 [09:27<07:20, 6.29s/it]print_dice: 0.5175236463546753
, print_iou: 0.349094033241272
4174 print_dice: 0.4751076400279999, print_iou: 0.3115679919719696
4175 Epoch 25/499: 57%|██████| 92/160 [09:40<07:06, 6.27s/it]print_dice: 0.4282110631465912
, print_iou: 0.2724354565143585
4176 Epoch 25/499: 58%|██████| 93/160 [09:46<06:58, 6.25s/it]print_dice: 0.5116977691650391
, print_iou: 0.34381309151649475
4177 Epoch 25/499: 59%|██████| 94/160 [09:52<06:52, 6.25s/it]print_dice: 0.5762930512428284
, print_iou: 0.4047834873199463
4178 Epoch 25/499: 59%|██████| 95/160 [09:59<06:45, 6.24s/it]print_dice: 0.538714587688446
, print_iou: 0.36865800619125366
4179 Epoch 25/499: 60%|██████| 96/160 [10:05<06:39, 6.24s/it]print_dice: 0.6233879923820496
, print_iou: 0.45284220576286316
4180 Epoch 25/499: 61%|██████| 97/160 [10:11<06:35, 6.27s/it]print_dice: 0.5628786087036133
, print_iou: 0.3916708827018738
4181 print_dice: 0.5002952814102173, print_iou: 0.333595871925354
4182 Epoch 25/499: 62%|██████| 99/160 [10:24<06:24, 6.30s/it]print_dice: 0.5520256757736206
, print_iou: 0.38123995065689087
4183 Epoch 25/499: 62%|██████| 100/160 [10:30<06:13, 6.22s/it]print_dice: 0.488802045583725
, print_iou: 0.3234533369541168
4184 Epoch 25/499: 63%|██████| 101/160 [10:36<06:07, 6.23s/it]print_dice: 0.582385241985321
, print_iou: 0.41082051396369934
4185 [100/160] eta: 0:06:18 time: 6.2594 data: 0.0005
4186 print_dice: 0.5870159268379211, print_iou: 0.41544413566589355
4187 Epoch 25/499: 64%|██████| 103/160 [10:49<05:56, 6.26s/it]print_dice: 0.
5233559012413025, print_iou: 0.3544224798679352
4188 Epoch 25/499: 65%|██████| 104/160 [10:55<05:53, 6.30s/it]print_dice: 0.
5521056056022644, print_iou: 0.38131624460220337
4189 Epoch 25/499: 66%|██████| 105/160 [11:01<05:49, 6.35s/it]print_dice: 0.
5284260511398315, print_iou: 0.35908904671669006
4190 Epoch 25/499: 66%|██████| 106/160 [11:08<05:40, 6.31s/it]print_dice: 0.570624828338623
, print_iou: 0.3992127776145935
4191 print_dice: 0.5241201519966125, print_iou: 0.3551238477230072
4192 Epoch 25/499: 68%|██████| 108/160 [11:20<05:26, 6.28s/it]print_dice: 0.
5150288939476013, print_iou: 0.34682753682136536
4193 print_dice: 0.516901433467865, print_iou: 0.34852802753448486
4194 Epoch 25/499: 69%|██████| 110/160 [11:33<05:14, 6.28s/it]print_dice: 0.
5019925236701965, print_iou: 0.33510681986808777
4195 Epoch 25/499: 69%|██████| 111/160 [11:39<05:05, 6.24s/it]print_dice: 0.

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4195 4404523968696594, print_iou: 0.2824231684207916
4196 Epoch 25/499: 70%|███████| 112/160 [11:45<04:57, 6.20s/it]print_dice: 0.
5609070658683777, print_iou: 0.38976433873176575
4197 Epoch 25/499: 71%|███████| 113/160 [11:51<04:51, 6.20s/it]print_dice: 0.
4894059896469116, print_iou: 0.32398247718811035
4198 print_dice: 0.48323339223861694, print_iou: 0.31859442591667175
4199 Epoch 25/499: 72%|███████| 115/160 [12:04<04:40, 6.23s/it]print_dice: 0.
5139930844306946, print_iou: 0.34588876366615295
4200 print_dice: 0.6385536789894104, print_iou: 0.46902596950531006
4201 Epoch 25/499: 73%|███████| 117/160 [12:16<04:29, 6.28s/it]print_dice: 0.
4812019169330597, print_iou: 0.31683075428009033
4202 print_dice: 0.5968942642211914, print_iou: 0.4254092872142792
4203 Epoch 25/499: 74%|███████| 119/160 [12:29<04:17, 6.29s/it]print_dice: 0.
5300532579421997, print_iou: 0.3605935275554657
4204 Epoch 25/499: 75%|███████| 120/160 [12:35<04:11, 6.30s/it]print_dice: 0.
5115645527839661, print_iou: 0.343692809343338
4205 Epoch 25/499: 76%|███████| 121/160 [12:42<04:06, 6.31s/it]print_dice: 0.
6058239340782166, print_iou: 0.4345390200614929
4206 Epoch 25/499: 76%|███████| 122/160 [12:48<03:59, 6.30s/it]print_dice: 0.
5521084666252136, print_iou: 0.38131895661354065
4207 Epoch 25/499: 77%|███████| 123/160 [12:54<03:53, 6.32s/it]print_dice: 0.511474609375
, print_iou: 0.34361162781715393
4208 Epoch 25/499: 78%|███████| 124/160 [13:01<03:46, 6.28s/it]print_dice: 0.
5353382229804993, print_iou: 0.3655029535293579
4209 print_dice: 0.5544727444648743, print_iou: 0.38357821106910706
4210 Epoch 25/499: 79%|███████| 126/160 [13:13<03:34, 6.32s/it]print_dice: 0.
5527092814445496, print_iou: 0.3818923830986023
4211 Epoch 25/499: 79%|███████| 127/160 [13:20<03:28, 6.32s/it]print_dice: 0.
5012375116348267, print_iou: 0.33443424105644226
4212 print_dice: 0.49837663769721985, print_iou: 0.3318919241428375
4213 Epoch 25/499: 81%|███████| 129/160 [13:32<03:14, 6.27s/it]print_dice: 0.
5589002370834351, print_iou: 0.3878289461135864
4214 Epoch 25/499: 81%|███████| 130/160 [13:38<03:06, 6.23s/it]print_dice: 0.
47970807552337646, print_iou: 0.31553682684898376
4215 Epoch 25/499: 82%|███████| 131/160 [13:44<02:59, 6.19s/it]print_dice: 0.
4652648866176605, print_iou: 0.30315646529197693
4216 Epoch 25/499: 82%|███████| 132/160 [13:51<02:54, 6.22s/it]print_dice: 0.
5096457004547119, print_iou: 0.3419627547264099
4217 Epoch 25/499: 83%|███████| 133/160 [13:57<02:47, 6.22s/it]print_dice: 0.436866819858551
, print_iou: 0.2794815003871918
4218 Epoch 25/499: 84%|███████| 134/160 [14:03<02:42, 6.24s/it]print_dice: 0.506976842880249
, print_iou: 0.3395639657974243
4219 print_dice: 0.5015332102775574, print_iou: 0.33469757437705994
4220 Epoch 25/499: 85%|███████| 136/160 [14:16<02:30, 6.28s/it]print_dice: 0.
5404638648033142, print_iou: 0.3702983558177948
4221 print_dice: 0.5882449746131897, print_iou: 0.4166763424873352
4222 Epoch 25/499: 86%|███████| 138/160 [14:28<02:17, 6.26s/it]print_dice: 0.
5948240756988525, print_iou: 0.4233093559741974
4223 Epoch 25/499: 87%|███████| 139/160 [14:34<02:11, 6.26s/it]print_dice: 0.537808895111084
, print_iou: 0.36781027913093567
4224 print_dice: 0.5112571716308594, print_iou: 0.34341537952423096
4225 Epoch 25/499: 88%|███████| 141/160 [14:47<01:59, 6.30s/it]print_dice: 0.
5032001733779907, print_iou: 0.336184024810791
4226 Epoch 25/499: 89%|███████| 142/160 [14:53<01:52, 6.25s/it]print_dice: 0.
5864768028259277, print_iou: 0.41490423679351807
4227 Epoch 25/499: 89%|███████| 143/160 [14:59<01:45, 6.22s/it]print_dice: 0.
5601277947425842, print_iou: 0.3890121579170227
4228 print_dice: 0.5442575216293335, print_iou: 0.3738693594932556
4229 Epoch 25/499: 91%|███████| 145/160 [15:12<01:33, 6.26s/it]print_dice: 0.
4176846742630005, print_iou: 0.26397058367729187
4230 Epoch 25/499: 91%|███████| 146/160 [15:18<01:27, 6.26s/it]print_dice: 0.
5438521504402161, print_iou: 0.3734869062900543
4231 print_dice: 0.5863350629806519, print_iou: 0.414762407541275
4232 Epoch 25/499: 92%|███████| 148/160 [15:31<01:15, 6.29s/it]print_dice: 0.
4724724292755127, print_iou: 0.309305340051651
4233 Epoch 25/499: 93%|███████| 149/160 [15:37<01:09, 6.28s/it]print_dice: 0.
5342923998832703, print_iou: 0.364528626203537
4234 Epoch 25/499: 94%|███████| 150/160 [15:43<01:03, 6.31s/it]print_dice: 0.
49443238973617554, print_iou: 0.32840263843536377

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4235 Epoch 25/499: 94%|██████████| 151/160 [15:50<00:57, 6.39s/it]print_dice: 0.
5141209959983826, print_iou: 0.3460046052932739
4236 print_dice: 0.5921445488929749, print_iou: 0.42060038447380066
4237 Epoch 25/499: 96%|██████████| 153/160 [16:02<00:43, 6.29s/it]print_dice: 0.
5993348360061646, print_iou: 0.4278930425643921
4238 Epoch 25/499: 96%|██████████| 154/160 [16:09<00:37, 6.26s/it]print_dice: 0.
47937607765197754, print_iou: 0.31524959206581116
4239 Epoch 25/499: 97%|██████████| 155/160 [16:15<00:31, 6.31s/it]print_dice: 0.
5441451072692871, print_iou: 0.3737632930278778
4240 print_dice: 0.5974535942077637, print_iou: 0.42597779631614685
4241 Epoch 25/499: 98%|██████████| 157/160 [16:28<00:18, 6.28s/it]print_dice: 0.
5667019486427307, print_iou: 0.39538317918777466
4242 print_dice: 0.49468305706977844, print_iou: 0.32862386107444763
4243 Epoch 25/499: 99%|██████████| 159/160 [16:40<00:06, 6.25s/it]print_dice: 0.
5268257260322571, print_iou: 0.35761260986328125
4244 Epoch 25/499: 100%|██████████| 160/160 [16:46<00:00, 6.23s/it]print_dice: 0.
5183832049369812, print_iou: 0.3498767018318176
4245 [159/160] eta: 0:00:06 time: 6.2745 data: 0.0004
4246 Total time: 0:16:47 (6.2946 s / it)
4247 Averaged stats: training_loss: -148.8973 (-148.8973) loss_mask: -149.0835 (-149.0835)
loss_dice: 0.1862 (0.1862)
4248 Epoch 25/499: 100%|██████████| 160/160 [16:47<00:00, 6.29s/it]
4249 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8352446864592
4250 Validating...
4251 Valid_dataloader len: 12
4252 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.3700e-04, 2.
5052e-04, 2.5628e-04, ..., 1.0000e+00, 1.0000e+00,
4253 1.0000e+00], grad_fn=<Unique2Backward0>)
4254 print_dice: 0.5626136660575867, print_iou: 0.3914143741130829
4255 [ 0/12] eta: 0:01:36 time: 8.0095 data: 3.9164
4256 8%|██████████| 1/12 [00:08<01:28, 8.01s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([8.1674e-04, 8.4716e-04, 8.7753e-04, ..., 9.9995e-01, 9.
9995e-01,
4257 9.9995e-01], grad_fn=<Unique2Backward0>)
4258 17%|██████████| 2/12 [00:12<00:58, 5.82s/it]print_dice: 0.6116873621940613, print_iou: 0.
4405977129936218
4259 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.6203e-04, 5.
6914e-04, 5.7655e-04, ..., 9.9997e-01, 9.9997e-01,
4260 9.9997e-01], grad_fn=<Unique2Backward0>)
4261 25%|██████████| 3/12 [00:16<00:45, 5.09s/it]print_dice: 0.5405741333961487, print_iou: 0.
37040191888809204
4262 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.1163e-04, 3.
1180e-04, 3.1282e-04, ..., 1.0000e+00, 1.0000e+00,
4263 1.0000e+00], grad_fn=<Unique2Backward0>)
4264 33%|██████████| 4/12 [00:20<00:37, 4.71s/it]print_dice: 0.5318257212638855, print_iou: 0.
3622361123561859
4265 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.1187e-04, 3.
1240e-04, 3.1303e-04, ..., 1.0000e+00, 1.0000e+00,
4266 1.0000e+00], grad_fn=<Unique2Backward0>)
4267 print_dice: 0.5812395811080933, print_iou: 0.4096812903881073
4268 42%|██████████| 5/12 [00:24<00:31, 4.48s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([6.2006e-04, 6.6288e-04, 6.7378e-04, ..., 9.9998e-01, 9.
9998e-01,
4269 9.9998e-01], grad_fn=<Unique2Backward0>)
4270 50%|██████████| 6/12 [00:28<00:26, 4.34s/it]print_dice: 0.509394109249115, print_iou: 0.
3417362868785858
4271 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.1163e-04, 3.
1237e-04, 3.1287e-04, ..., 1.0000e+00, 1.0000e+00,
4272 1.0000e+00], grad_fn=<Unique2Backward0>)
4273 58%|██████████| 7/12 [00:32<00:21, 4.29s/it]print_dice: 0.4471878409385681, print_iou: 0.
28798577189445496
4274 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.4834e-04, 1.
4975e-04, 1.5034e-04, ..., 1.0000e+00, 1.0000e+00,
4275 1.0000e+00], grad_fn=<Unique2Backward0>)
4276 print_dice: 0.5511106252670288, print_iou: 0.38036760687828064
4277 67%|██████████| 8/12 [00:37<00:17, 4.27s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.7253e-04, 2.7718e-04, 2.7975e-04, ..., 1.0000e+00, 1.
0000e+00,
4278 1.0000e+00], grad_fn=<Unique2Backward0>)

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4279 75%|███████| 9/12 [00:41<00:12, 4.26s/it]print_dice: 0.5686780214309692, print_iou: 0.
39730963110923767
4280 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.3721e-04, 6.
8068e-04, 7.0986e-04, ..., 9.9998e-01, 9.9998e-01,
4281 9.9998e-01], grad_fn=<Unique2Backward0>)
4282 83%|███████| 10/12 [00:45<00:08, 4.24s/it]print_dice: 0.5780457258224487, print_iou: 0
.4065150022506714
4283 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.1182e-04, 3.
1232e-04, 3.1297e-04, ..., 1.0000e+00, 1.0000e+00,
4284 1.0000e+00], grad_fn=<Unique2Backward0>)
4285 92%|███████| 11/12 [00:49<00:04, 4.17s/it]print_dice: 0.6196649074554443, print_iou: 0
.4489235579967499
4286 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.9966e-04, 3.
0023e-04, 3.0663e-04, ..., 1.0000e+00, 1.0000e+00,
4287 1.0000e+00], grad_fn=<Unique2Backward0>)
4288 100%|███████| 12/12 [00:53<00:00, 4.11s/it]print_dice: 0.5821111798286438, print_iou: 0
.4105478525161743
4289 [11/12] eta: 0:00:04 time: 4.4684 data: 0.3269
4290 100%|███████| 12/12 [00:54<00:00, 4.51s/it]
4291 Total time: 0:00:54 (4.5145 s / it)
4292 =====
4293 Averaged stats:
4294 epoch: 26 learning rate: 1e-07
4295 Epoch 26/499: 1%|███████| 1/160 [00:10<28:23, 10.72s/it]print_dice: 0.5513923764228821
, print_iou: 0.3806360960006714
4296 [ 0/160] eta: 0:28:34 time: 10.7150 data: 4.2542
4297 print_dice: 0.5787277221679688, print_iou: 0.4071899354457855
4298 Epoch 26/499: 2%|███████| 3/160 [00:23<19:04, 7.29s/it]print_dice: 0.5173981189727783
, print_iou: 0.34897980093955994
4299 print_dice: 0.5696050524711609, print_iou: 0.39821523427963257
4300 Epoch 26/499: 3%|███████| 5/160 [00:36<17:20, 6.71s/it]print_dice: 0.5202575922012329
, print_iou: 0.35158658027648926
4301 Epoch 26/499: 4%|███████| 6/160 [00:42<16:53, 6.58s/it]print_dice: 0.4317326843738556
, print_iou: 0.2752927839756012
4302 print_dice: 0.5175963044166565, print_iou: 0.34916016459465027
4303 Epoch 26/499: 5%|███████| 8/160 [00:54<16:14, 6.41s/it]print_dice: 0.4755811095237732
, print_iou: 0.311975359916687
4304 Epoch 26/499: 6%|███████| 9/160 [01:01<16:08, 6.42s/it]print_dice: 0.6255145072937012
, print_iou: 0.45508989691734314
4305 print_dice: 0.502765417098999, print_iou: 0.3357959985733032
4306 Epoch 26/499: 7%|███████| 11/160 [01:13<15:46, 6.35s/it]print_dice: 0.601435661315918
, print_iou: 0.43003788590431213
4307 Epoch 26/499: 8%|███████| 12/160 [01:20<15:36, 6.33s/it]print_dice: 0.4988403618335724
, print_iou: 0.33230334520339966
4308 Epoch 26/499: 8%|███████| 13/160 [01:26<15:20, 6.26s/it]print_dice: 0.6045717597007751
, print_iou: 0.4332517385482788
4309 Epoch 26/499: 9%|███████| 14/160 [01:32<15:08, 6.22s/it]print_dice: 0.4687049984931946
, print_iou: 0.3060840666294098
4310 Epoch 26/499: 9%|███████| 15/160 [01:38<15:05, 6.25s/it]print_dice: 0.4933445453643799
, print_iou: 0.32744351029396057
4311 Epoch 26/499: 10%|███████| 16/160 [01:44<14:58, 6.24s/it]print_dice: 0.4472425878047943
, print_iou: 0.2880312204360962
4312 Epoch 26/499: 11%|███████| 17/160 [01:51<14:45, 6.19s/it]print_dice: 0.5223135352134705
, print_iou: 0.35346707701683044
4313 Epoch 26/499: 11%|███████| 18/160 [01:57<14:37, 6.18s/it]print_dice: 0.5646678805351257
, print_iou: 0.3934057056903839
4314 Epoch 26/499: 12%|███████| 19/160 [02:03<14:31, 6.18s/it]print_dice: 0.5641374588012695
, print_iou: 0.392890989780426
4315 Epoch 26/499: 12%|███████| 20/160 [02:09<14:26, 6.19s/it]print_dice: 0.5376272797584534
, print_iou: 0.3676404058933258
4316 print_dice: 0.4470881223678589, print_iou: 0.2879030704498291
4317 Epoch 26/499: 14%|███████| 22/160 [02:22<14:24, 6.26s/it]print_dice: 0.5178326964378357
, print_iou: 0.34937533736228943
4318 Epoch 26/499: 14%|███████| 23/160 [02:28<14:20, 6.28s/it]print_dice: 0.4774289131164551
, print_iou: 0.31356754899024963
4319 Epoch 26/499: 15%|███████| 24/160 [02:34<14:13, 6.27s/it]print_dice: 0.5205848813056946
, print_iou: 0.3518856167793274
4320 Epoch 26/499: 16%|███████| 25/160 [02:41<14:06, 6.27s/it]print_dice: 0.4456413984298706
, print_iou: 0.2867043614387512

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4321 Epoch 26/499: 16%|██████| 26/160 [02:47<13:59, 6.27s/it]print_dice: 0.5585684776306152
, print_iou: 0.3875095546245575
4322 print_dice: 0.5111790299415588, print_iou: 0.34334486722946167
4323 Epoch 26/499: 18%|██████| 28/160 [02:59<13:50, 6.29s/it]print_dice: 0.5133599042892456
, print_iou: 0.34531551599502563
4324 print_dice: 0.5857315063476562, print_iou: 0.4141586124897003
4325 Epoch 26/499: 19%|██████| 30/160 [03:12<13:36, 6.28s/it]print_dice: 0.533373236656189
, print_iou: 0.36367347836494446
4326 print_dice: 0.5962384939193726, print_iou: 0.4247434735298157
4327 Epoch 26/499: 20%|██████| 32/160 [03:25<13:24, 6.28s/it]print_dice: 0.
45958787202835083, print_iou: 0.2983538508415222
4328 Epoch 26/499: 21%|██████| 33/160 [03:31<13:19, 6.30s/it]print_dice: 0.5097434520721436
, print_iou: 0.34205079078674316
4329 Epoch 26/499: 21%|██████| 34/160 [03:37<13:07, 6.25s/it]print_dice: 0.585658609867096
, print_iou: 0.4140857458114624
4330 Epoch 26/499: 22%|██████| 35/160 [03:43<13:04, 6.28s/it]print_dice: 0.5445013642311096
, print_iou: 0.3740995526313782
4331 print_dice: 0.5363078117370605, print_iou: 0.36640751361846924
4332 Epoch 26/499: 23%|██████| 37/160 [03:56<12:54, 6.30s/it]print_dice: 0.5067378282546997
, print_iou: 0.33934953808784485
4333 Epoch 26/499: 24%|██████| 38/160 [04:02<12:49, 6.30s/it]print_dice: 0.5114886164665222
, print_iou: 0.3436242640018463
4334 Epoch 26/499: 24%|██████| 39/160 [04:09<12:47, 6.34s/it]print_dice: 0.5570725202560425
, print_iou: 0.38607102632522583
4335 Epoch 26/499: 25%|██████| 40/160 [04:15<12:37, 6.31s/it]print_dice: 0.463052898645401
, print_iou: 0.3012809753417969
4336 print_dice: 0.6489952206611633, print_iou: 0.48037970066070557
4337 Epoch 26/499: 26%|██████| 42/160 [04:27<12:13, 6.22s/it]print_dice: 0.5529131293296814
, print_iou: 0.38208702206611633
4338 print_dice: 0.4930555522441864, print_iou: 0.3271889388561249
4339 Epoch 26/499: 28%|██████| 44/160 [04:40<12:00, 6.21s/it]print_dice: 0.550795316696167
, print_iou: 0.38006728887557983
4340 Epoch 26/499: 28%|██████| 45/160 [04:46<12:01, 6.27s/it]print_dice: 0.4949508607387543
, print_iou: 0.32886025309562683
4341 Epoch 26/499: 29%|██████| 46/160 [04:52<11:58, 6.30s/it]print_dice: 0.5471253395080566
, print_iou: 0.37658122181892395
4342 Epoch 26/499: 29%|██████| 47/160 [04:59<11:48, 6.27s/it]print_dice: 0.
42372074723243713, print_iou: 0.2688106894493103
4343 Epoch 26/499: 30%|██████| 48/160 [05:05<11:36, 6.22s/it]print_dice: 0.5188026428222656
, print_iou: 0.3502589464187622
4344 print_dice: 0.5372593998908997, print_iou: 0.367296427488327
4345 Epoch 26/499: 31%|██████| 50/160 [05:17<11:22, 6.21s/it]print_dice: 0.
48551294207572937, print_iou: 0.3205791115760803
4346 Epoch 26/499: 32%|██████| 51/160 [05:23<11:15, 6.20s/it]print_dice: 0.5494412779808044
, print_iou: 0.3787790536880493
4347 Epoch 26/499: 32%|██████| 52/160 [05:30<11:09, 6.20s/it]print_dice: 0.5569837689399719
, print_iou: 0.385985791683197
4348 print_dice: 0.5294961333274841, print_iou: 0.36007803678512573
4349 Epoch 26/499: 34%|██████| 54/160 [05:42<11:04, 6.27s/it]print_dice: 0.570755124092102
, print_iou: 0.39934033155441284
4350 Epoch 26/499: 34%|██████| 55/160 [05:49<10:59, 6.29s/it]print_dice: 0.6165549755096436
, print_iou: 0.4456664025783539
4351 Epoch 26/499: 35%|██████| 56/160 [05:55<10:52, 6.27s/it]print_dice: 0.5199035406112671
, print_iou: 0.35126325488090515
4352 Epoch 26/499: 36%|██████| 57/160 [06:01<10:46, 6.28s/it]print_dice: 0.5339065194129944
, print_iou: 0.36416947841644287
4353 print_dice: 0.4865249693393707, print_iou: 0.32146215438842773
4354 Epoch 26/499: 37%|██████| 59/160 [06:14<10:35, 6.30s/it]print_dice: 0.
49568212032318115, print_iou: 0.3295062482357025
4355 Epoch 26/499: 38%|██████| 60/160 [06:20<10:28, 6.28s/it]print_dice: 0.5151943564414978
, print_iou: 0.3469776213169098
4356 print_dice: 0.5774452686309814, print_iou: 0.4059213101863861
4357 Epoch 26/499: 39%|██████| 62/160 [06:33<10:15, 6.28s/it]print_dice: 0.
49778223037719727, print_iou: 0.3313648998737335
4358 Epoch 26/499: 39%|██████| 63/160 [06:39<10:12, 6.31s/it]print_dice: 0.5642142295837402
, print_iou: 0.3929654657840729
4359 Epoch 26/499: 40%|██████| 64/160 [06:45<10:03, 6.28s/it]print_dice: 0.5706594586372375
, print_iou: 0.3992466628551483
4360 Epoch 26/499: 41%|██████| 65/160 [06:51<09:58, 6.30s/it]print_dice: 0.4767705798149109

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4360 , print_iou: 0.3129998445510864
4361 print_dice: 0.5435314178466797, print_iou: 0.373184472322464
4362 Epoch 26/499: 42%|██████| 67/160 [07:04<09:46, 6.31s/it]print_dice: 0.5679940581321716
, print_iou: 0.39664226770401
4363 Epoch 26/499: 42%|██████| 68/160 [07:10<09:42, 6.33s/it]print_dice: 0.
46779096126556396, print_iou: 0.30530494451522827
4364 Epoch 26/499: 43%|██████| 69/160 [07:17<09:39, 6.37s/it]print_dice: 0.
47368040680885315, print_iou: 0.31034156680107117
4365 print_dice: 0.5512389540672302, print_iou: 0.38048988580703735
4366 Epoch 26/499: 44%|██████| 71/160 [07:29<09:22, 6.32s/it]print_dice: 0.508224368095398
, print_iou: 0.340684175491333
4367 Epoch 26/499: 45%|██████| 72/160 [07:36<09:15, 6.32s/it]print_dice: 0.5454569458961487
, print_iou: 0.37500226497650146
4368 Epoch 26/499: 46%|██████| 73/160 [07:42<09:11, 6.34s/it]print_dice: 0.
47188693284988403, print_iou: 0.3088036775588989
4369 Epoch 26/499: 46%|██████| 74/160 [07:48<09:02, 6.31s/it]print_dice: 0.5049949288368225
, print_iou: 0.33778810501098633
4370 Epoch 26/499: 47%|██████| 75/160 [07:55<08:55, 6.30s/it]print_dice: 0.
48496344685554504, print_iou: 0.32010015845298767
4371 Epoch 26/499: 48%|██████| 76/160 [08:01<08:47, 6.28s/it]print_dice: 0.
42268985509872437, print_iou: 0.2679814398288727
4372 Epoch 26/499: 48%|██████| 77/160 [08:07<08:48, 6.37s/it]print_dice: 0.4942762851715088
, print_iou: 0.32826492190361023
4373 Epoch 26/499: 49%|██████| 78/160 [08:14<08:43, 6.38s/it]print_dice: 0.5621108412742615
, print_iou: 0.39092782139778137
4374 Epoch 26/499: 49%|██████| 79/160 [08:20<08:31, 6.31s/it]print_dice: 0.5755584239959717
, print_iou: 0.4040589928627014
4375 Epoch 26/499: 50%|██████| 80/160 [08:26<08:19, 6.24s/it]print_dice: 0.5615549087524414
, print_iou: 0.39039021730422974
4376 print_dice: 0.5539426207542419, print_iou: 0.3830709755420685
4377 Epoch 26/499: 51%|██████| 82/160 [08:39<08:08, 6.27s/it]print_dice: 0.449631929397583
, print_iou: 0.290016233921051
4378 print_dice: 0.5456429719924927, print_iou: 0.37517815828323364
4379 Epoch 26/499: 52%|██████| 84/160 [08:51<07:51, 6.21s/it]print_dice: 0.5479423403739929
, print_iou: 0.37735578417778015
4380 Epoch 26/499: 53%|██████| 85/160 [08:57<07:43, 6.18s/it]print_dice: 0.6153908371925354
, print_iou: 0.44445091485977173
4381 Epoch 26/499: 54%|██████| 86/160 [09:03<07:40, 6.23s/it]print_dice: 0.5167859792709351
, print_iou: 0.3484230637550354
4382 print_dice: 0.6097519397735596, print_iou: 0.43859216570854187
4383 Epoch 26/499: 55%|██████| 88/160 [09:16<07:30, 6.26s/it]print_dice: 0.5342024564743042
, print_iou: 0.36444491147994995
4384 print_dice: 0.47312095761299133, print_iou: 0.3098614513874054
4385 Epoch 26/499: 56%|██████| 90/160 [09:28<07:12, 6.18s/it]print_dice: 0.5466577410697937
, print_iou: 0.3761383295059204
4386 Epoch 26/499: 57%|██████| 91/160 [09:34<07:07, 6.19s/it]print_dice: 0.5390380620956421
, print_iou: 0.3689610958099365
4387 print_dice: 0.587383508682251, print_iou: 0.4158124327659607
4388 Epoch 26/499: 58%|██████| 93/160 [09:47<07:00, 6.27s/it]print_dice: 0.6119950413703918
, print_iou: 0.4409170150756836
4389 Epoch 26/499: 59%|██████| 94/160 [09:54<06:55, 6.30s/it]print_dice: 0.4545188248157501
, print_iou: 0.29409533739089966
4390 Epoch 26/499: 59%|██████| 95/160 [10:00<06:50, 6.32s/it]print_dice: 0.5711175203323364
, print_iou: 0.3996952176094055
4391 print_dice: 0.5235218405723572, print_iou: 0.35457471013069153
4392 Epoch 26/499: 61%|██████| 97/160 [10:12<06:37, 6.30s/it]print_dice: 0.5457113981246948
, print_iou: 0.37524285912513733
4393 Epoch 26/499: 61%|██████| 98/160 [10:19<06:29, 6.27s/it]print_dice: 0.5190849304199219
, print_iou: 0.35051631927490234
4394 print_dice: 0.4731212854385376, print_iou: 0.3098617494106293
4395 Epoch 26/499: 62%|██████| 100/160 [10:31<06:15, 6.26s/it]print_dice: 0.
5190747976303101, print_iou: 0.35050708055496216
4396 Epoch 26/499: 63%|██████| 101/160 [10:37<06:10, 6.28s/it]print_dice: 0.
5034157633781433, print_iou: 0.33637651801109314
4397 [100/160] eta: 0:06:18 time: 6.2555 data: 0.0004
4398 Epoch 26/499: 64%|██████| 102/160 [10:44<06:04, 6.28s/it]print_dice: 0.541462242603302
, print_iou: 0.37123632431030273
4399 Epoch 26/499: 64%|██████| 103/160 [10:50<05:58, 6.29s/it]print_dice: 0.
4960159361362457, print_iou: 0.3298013210296631

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4400 Epoch 26/499: 65%|███████| 104/160 [10:56<05:49, 6.25s/it]print_dice: 0.
5358171463012695, print_iou: 0.3659496307373047
4401 Epoch 26/499: 66%|███████| 105/160 [11:03<05:44, 6.27s/it]print_dice: 0.564697802066803
, print_iou: 0.3934347927570343
4402 Epoch 26/499: 66%|███████| 106/160 [11:09<05:38, 6.27s/it]print_dice: 0.
5860949158668518, print_iou: 0.41452208161354065
4403 Epoch 26/499: 67%|███████| 107/160 [11:15<05:33, 6.29s/it]print_dice: 0.
5566625595092773, print_iou: 0.3856773376464844
4404 Epoch 26/499: 68%|███████| 108/160 [11:21<05:27, 6.29s/it]print_dice: 0.
6023677587509155, print_iou: 0.43099159002304077
4405 print_dice: 0.532054603099823, print_iou: 0.36244848370552063
4406 Epoch 26/499: 69%|███████| 110/160 [11:34<05:11, 6.23s/it]print_dice: 0.
5325071215629578, print_iou: 0.36286860704421997
4407 print_dice: 0.4915899336338043, print_iou: 0.3258993923664093
4408 Epoch 26/499: 70%|███████| 112/160 [11:46<04:59, 6.25s/it]print_dice: 0.
6054472923278809, print_iou: 0.4341515898704529
4409 print_dice: 0.45064714550971985, print_iou: 0.2908615171909332
4410 Epoch 26/499: 71%|███████| 114/160 [11:59<04:47, 6.25s/it]print_dice: 0.
4815933108329773, print_iou: 0.3171701729297638
4411 Epoch 26/499: 72%|███████| 115/160 [12:05<04:43, 6.29s/it]print_dice: 0.
5868402719497681, print_iou: 0.415268212556839
4412 Epoch 26/499: 72%|███████| 116/160 [12:12<04:37, 6.30s/it]print_dice: 0.
5283143520355225, print_iou: 0.3589858412742615
4413 print_dice: 0.5196297764778137, print_iou: 0.3510133922100067
4414 Epoch 26/499: 74%|███████| 118/160 [12:24<04:21, 6.23s/it]print_dice: 0.
5860404968261719, print_iou: 0.4144676923751831
4415 Epoch 26/499: 74%|███████| 119/160 [12:30<04:16, 6.25s/it]print_dice: 0.
5695738792419434, print_iou: 0.39818474650382996
4416 Epoch 26/499: 75%|███████| 120/160 [12:36<04:09, 6.24s/it]print_dice: 0.
5083701014518738, print_iou: 0.3408151865005493
4417 Epoch 26/499: 76%|███████| 121/160 [12:43<04:04, 6.27s/it]print_dice: 0.
5418203473091125, print_iou: 0.3715730905532837
4418 Epoch 26/499: 76%|███████| 122/160 [12:49<03:58, 6.27s/it]print_dice: 0.
5625954866409302, print_iou: 0.39139676094055176
4419 Epoch 26/499: 77%|███████| 123/160 [12:55<03:53, 6.31s/it]print_dice: 0.
49684011936187744, print_iou: 0.33053043484687805
4420 Epoch 26/499: 78%|███████| 124/160 [13:02<03:47, 6.32s/it]print_dice: 0.
5542035102844238, print_iou: 0.38332056999206543
4421 Epoch 26/499: 78%|███████| 125/160 [13:08<03:39, 6.26s/it]print_dice: 0.
5441253185272217, print_iou: 0.3737446367740631
4422 Epoch 26/499: 79%|███████| 126/160 [13:14<03:31, 6.23s/it]print_dice: 0.
5027271509170532, print_iou: 0.3357619047164917
4423 Epoch 26/499: 79%|███████| 127/160 [13:20<03:25, 6.21s/it]print_dice: 0.
5121645927429199, print_iou: 0.3442347049713135
4424 Epoch 26/499: 80%|███████| 128/160 [13:26<03:18, 6.22s/it]print_dice: 0.
4587137997150421, print_iou: 0.29761752486228943
4425 Epoch 26/499: 81%|███████| 129/160 [13:33<03:13, 6.24s/it]print_dice: 0.
5356622934341431, print_iou: 0.36580517888069153
4426 Epoch 26/499: 81%|███████| 130/160 [13:39<03:07, 6.26s/it]print_dice: 0.
5817802548408508, print_iou: 0.4102186858654022
4427 Epoch 26/499: 82%|███████| 131/160 [13:45<03:02, 6.28s/it]print_dice: 0.
46748292446136475, print_iou: 0.305042564868927
4428 print_dice: 0.5101459622383118, print_iou: 0.34241336584091187
4429 Epoch 26/499: 83%|███████| 133/160 [13:58<02:49, 6.28s/it]print_dice: 0.
5233340859413147, print_iou: 0.3544025123119354
4430 Epoch 26/499: 84%|███████| 134/160 [14:04<02:43, 6.27s/it]print_dice: 0.532011091709137
, print_iou: 0.3624081015586853
4431 Epoch 26/499: 84%|███████| 135/160 [14:10<02:36, 6.28s/it]print_dice: 0.
48936963081359863, print_iou: 0.3239506185054779
4432 Epoch 26/499: 85%|███████| 136/160 [14:17<02:30, 6.29s/it]print_dice: 0.
5957596898078918, print_iou: 0.42425763607025146
4433 print_dice: 0.548719584941864, print_iou: 0.378093421459198
4434 Epoch 26/499: 86%|███████| 138/160 [14:29<02:18, 6.32s/it]print_dice: 0.
5831604599952698, print_iou: 0.4115924835205078
4435 print_dice: 0.5386787056922913, print_iou: 0.36862441897392273
4436 Epoch 26/499: 88%|███████| 140/160 [14:42<02:06, 6.30s/it]print_dice: 0.
5395545363426208, print_iou: 0.36944520473480225
4437 Epoch 26/499: 88%|███████| 141/160 [14:48<01:59, 6.30s/it]print_dice: 0.
5643335580825806, print_iou: 0.39308127760887146

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4438 Epoch 26/499: 89%|██████████| 142/160 [14:55<01:53, 6.28s/it]print_dice: 0.
    5406477451324463, print_iou: 0.3704710602760315
4439 Epoch 26/499: 89%|██████████| 143/160 [15:01<01:47, 6.32s/it]print_dice: 0.
    5120229125022888, print_iou: 0.3441067337989807
4440 Epoch 26/499: 90%|██████████| 144/160 [15:07<01:40, 6.29s/it]print_dice: 0.
    5323865413665771, print_iou: 0.3627566397190094
4441 Epoch 26/499: 91%|██████████| 145/160 [15:14<01:34, 6.32s/it]print_dice: 0.
    5917413234710693, print_iou: 0.420193612575531
4442 Epoch 26/499: 91%|██████████| 146/160 [15:20<01:28, 6.30s/it]print_dice: 0.
    5587149262428284, print_iou: 0.3876505494117737
4443 Epoch 26/499: 92%|██████████| 147/160 [15:26<01:21, 6.30s/it]print_dice: 0.
    5424156188964844, print_iou: 0.3721332550048828
4444 print_dice: 0.5046341419219971, print_iou: 0.3374653458595276
4445 Epoch 26/499: 93%|██████████| 149/160 [15:39<01:09, 6.29s/it]print_dice: 0.
    5893505811691284, print_iou: 0.41778671741485596
4446 print_dice: 0.5599499344825745, print_iou: 0.38884061574935913
4447 Epoch 26/499: 94%|██████████| 151/160 [15:51<00:56, 6.32s/it]print_dice: 0.
    5137139558792114, print_iou: 0.3456359803676605
4448 Epoch 26/499: 95%|██████████| 152/160 [15:58<00:50, 6.32s/it]print_dice: 0.
    4808371961116791, print_iou: 0.3165145814418793
4449 print_dice: 0.43567588925361633, print_iou: 0.27850741147994995
4450 Epoch 26/499: 96%|██████████| 154/160 [16:10<00:38, 6.34s/it]print_dice: 0.
    5407492518424988, print_iou: 0.37056636810302734
4451 Epoch 26/499: 97%|██████████| 155/160 [16:17<00:31, 6.28s/it]print_dice: 0.
    5110988020896912, print_iou: 0.34327244758605957
4452 Epoch 26/499: 98%|██████████| 156/160 [16:23<00:25, 6.26s/it]print_dice: 0.
    5036852955818176, print_iou: 0.33661720156669617
4453 Epoch 26/499: 98%|██████████| 157/160 [16:29<00:18, 6.32s/it]print_dice: 0.508472204208374
    , print_iou: 0.34090694785118103
4454 Epoch 26/499: 99%|██████████| 158/160 [16:35<00:12, 6.26s/it]print_dice: 0.
    6165183186531067, print_iou: 0.4456280767917633
4455 print_dice: 0.5295694470405579, print_iou: 0.3601458668708801
4456 Epoch 26/499: 100%|██████████| 160/160 [16:47<00:00, 6.14s/it]print_dice: 0.
    5852648615837097, print_iou: 0.4136921763420105
4457 [159/160] eta: 0:00:06 time: 6.2648 data: 0.0006
4458 Epoch 26/499: 100%|██████████| 160/160 [16:48<00:00, 6.30s/it]
4459 Total time: 0:16:48 (6.3029 s / it)
4460 Averaged stats: training_loss: -274.5878 (-274.5878) loss_mask: -274.6324 (-274.6324)
    loss_dice: 0.0446 (0.0446)
4461 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8355622746749
4462 Validating...
4463 Valid_dataloader len: 12
4464 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.2338e-04, 5.
    4499e-04, 5.5542e-04, ..., 9.9998e-01, 9.9998e-01,
4465     9.9998e-01], grad_fn=<Unique2Backward0>)
4466 8%|██████████| 1/12 [00:08<01:38, 8.93s/it]print_dice: 0.5594285130500793, print_iou: 0.
    3883379101753235
4467 [ 0/12] eta: 0:01:47 time: 8.9313 data: 4.8004
4468 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.6862e-04, 2.
    8678e-04, 2.8798e-04, ..., 1.0000e+00, 1.0000e+00,
4469     1.0000e+00], grad_fn=<Unique2Backward0>)
4470 17%|██████████| 2/12 [00:13<01:01, 6.15s/it]print_dice: 0.6123369932174683, print_iou: 0.
    441272109746933
4471 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.7098e-04, 2.
    8534e-04, 2.9466e-04, ..., 1.0000e+00, 1.0000e+00,
4472     1.0000e+00], grad_fn=<Unique2Backward0>)
4473 25%|██████████| 3/12 [00:17<00:46, 5.21s/it]print_dice: 0.5327103734016418, print_iou: 0.
    363057404756546
4474 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.0679e-04, 3.
    0808e-04, 3.1017e-04, ..., 1.0000e+00, 1.0000e+00,
4475     1.0000e+00], grad_fn=<Unique2Backward0>)
4476 33%|██████████| 4/12 [00:21<00:38, 4.81s/it]print_dice: 0.5331153869628906, print_iou: 0.
    36343374848365784
4477 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.0688e-04, 3.
    0822e-04, 3.1070e-04, ..., 1.0000e+00, 1.0000e+00,
4478     1.0000e+00], grad_fn=<Unique2Backward0>)
4479 print_dice: 0.5804417133331299, print_iou: 0.40888896584510803
4480 42%|██████████| 5/12 [00:25<00:32, 4.60s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([7.1080e-04, 7.3250e-04, 7.4106e-04, ..., 9.9998e-01, 9.

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4480 9998e-01,
4481      9.9998e-01], grad_fn=<Unique2Backward0>)
4482 50%|███████| 6/12 [00:29<00:26, 4.44s/it]print_dice: 0.5042244791984558, print_iou: 0.
33709901571273804
4483 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.0681e-04, 3.
0803e-04, 3.1066e-04, ..., 1.0000e+00, 1.0000e+00,
4484      1.0000e+00], grad_fn=<Unique2Backward0>)
4485 58%|███████| 7/12 [00:34<00:21, 4.39s/it]print_dice: 0.44765257835388184, print_iou: 0
.28837138414382935
4486 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.4684e-04, 1.
4696e-04, 1.4796e-04, ..., 1.0000e+00, 1.0000e+00,
4487      1.0000e+00], grad_fn=<Unique2Backward0>)
4488 67%|███████| 8/12 [00:38<00:17, 4.29s/it]print_dice: 0.5489856004714966, print_iou: 0.
3783460557460785
4489 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.6736e-04, 2.
7288e-04, 2.7367e-04, ..., 1.0000e+00, 1.0000e+00,
4490      1.0000e+00], grad_fn=<Unique2Backward0>)
4491 75%|███████| 9/12 [00:42<00:12, 4.25s/it]print_dice: 0.5682250261306763, print_iou: 0.
3968675434589386
4492 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.0681e-04, 3.
0814e-04, 3.1068e-04, ..., 1.0000e+00, 1.0000e+00,
4493      1.0000e+00], grad_fn=<Unique2Backward0>)
4494 print_dice: 0.5796459317207336, print_iou: 0.40809959173202515
4495 83%|███████| 10/12 [00:46<00:08, 4.24s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([1.9900e-04, 1.9919e-04, 1.9971e-04, ..., 1.0000e+00, 1.
0000e+00,
4496      1.0000e+00], grad_fn=<Unique2Backward0>)
4497 print_dice: 0.616676926612854, print_iou: 0.44579383730888367
4498 92%|███████| 11/12 [00:50<00:04, 4.19s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([8.8208e-04, 8.8564e-04, 9.3323e-04, ..., 9.9997e-01, 9.
9997e-01,
4499      9.9997e-01], grad_fn=<Unique2Backward0>)
4500 100%|███████| 12/12 [00:54<00:00, 4.12s/it]print_dice: 0.5861146450042725, print_iou: 0
.4145418405532837
4501 [11/12] eta: 0:00:04 time: 4.5454 data: 0.4009
4502 100%|███████| 12/12 [00:54<00:00, 4.58s/it]
4503 Total time: 0:00:54 (4.5830 s / it)
4504 =====
4505 Averaged stats:
4506 Epoch 27/499: 0%|███████| 0/160 [00:00<?, ?it/s]epoch: 27 learning rate: 1e-07
4507 Epoch 27/499: 1%|███████| 1/160 [00:10<27:58, 10.56s/it]print_dice: 0.4773828089237213
, print_iou: 0.31352779269218445
4508 [ 0/160] eta: 0:28:08 time: 10.5552 data: 4.2814
4509 Epoch 27/499: 1%|███████| 2/160 [00:16<21:12, 8.05s/it]print_dice: 0.5409348011016846
, print_iou: 0.3707406520843506
4510 print_dice: 0.5273131728172302, print_iou: 0.3580619990825653
4511 Epoch 27/499: 2%|███████| 4/160 [00:29<18:03, 6.94s/it]print_dice: 0.5876456499099731
, print_iou: 0.416075199842453
4512 Epoch 27/499: 3%|███████| 5/160 [00:35<17:09, 6.65s/it]print_dice: 0.42485669255256653
, print_iou: 0.2697257399559021
4513 Epoch 27/499: 4%|███████| 6/160 [00:41<16:37, 6.48s/it]print_dice: 0.5472203493118286
, print_iou: 0.3766712248325348
4514 Epoch 27/499: 4%|███████| 7/160 [00:48<16:27, 6.45s/it]print_dice: 0.5649584531784058
, print_iou: 0.3936878442764282
4515 Epoch 27/499: 5%|███████| 8/160 [00:54<16:08, 6.37s/it]print_dice: 0.4905296564102173
, print_iou: 0.3249680697917938
4516 Epoch 27/499: 6%|███████| 9/160 [01:00<15:53, 6.32s/it]print_dice: 0.5023265480995178
, print_iou: 0.33540457487106323
4517 Epoch 27/499: 6%|███████| 10/160 [01:06<15:36, 6.24s/it]print_dice: 0.5038043260574341
, print_iou: 0.33672356605529785
4518 Epoch 27/499: 7%|███████| 11/160 [01:13<15:39, 6.30s/it]print_dice: 0.5662259459495544
, print_iou: 0.39491990208625793
4519 Epoch 27/499: 8%|███████| 12/160 [01:19<15:35, 6.32s/it]print_dice: 0.
46602681279182434, print_iou: 0.30380377173423767
4520 Epoch 27/499: 8%|███████| 13/160 [01:25<15:17, 6.24s/it]print_dice: 0.5176051259040833
, print_iou: 0.34916818141937256
4521 print_dice: 0.6091988682746887, print_iou: 0.43802011013031006
4522 Epoch 27/499: 9%|███████| 15/160 [01:37<14:56, 6.18s/it]print_dice: 0.5726202130317688
, print_iou: 0.4011687636375427

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4523 Epoch 27/499: 10%|█          | 16/160 [01:44<14:52, 6.19s/it]print_dice: 0.5334652662277222
, print_iou: 0.36375904083251953
4524 print_dice: 0.5323671102523804, print_iou: 0.36273860931396484
4525 Epoch 27/499: 11%|█          | 18/160 [01:56<14:45, 6.23s/it]print_dice: 0.5193933844566345
, print_iou: 0.3507976830005646
4526 Epoch 27/499: 12%|█          | 19/160 [02:02<14:39, 6.23s/it]print_dice: 0.509870707988739
, print_iou: 0.34216541051864624
4527 Epoch 27/499: 12%|█          | 20/160 [02:09<14:33, 6.24s/it]print_dice: 0.5035553574562073
, print_iou: 0.33650118112564087
4528 print_dice: 0.5020413994789124, print_iou: 0.3351503908634186
4529 Epoch 27/499: 14%|██         | 22/160 [02:21<14:27, 6.29s/it]print_dice: 0.5643287897109985
, print_iou: 0.3930765986442566
4530 print_dice: 0.5405272245407104, print_iou: 0.37035784125328064
4531 Epoch 27/499: 15%|██         | 24/160 [02:34<14:14, 6.29s/it]print_dice: 0.5455743670463562
, print_iou: 0.37511327862739563
4532 Epoch 27/499: 16%|██         | 25/160 [02:40<14:05, 6.27s/it]print_dice: 0.6095074415206909
, print_iou: 0.4383392632007599
4533 print_dice: 0.546790599822998, print_iou: 0.37626415491104126
4534 Epoch 27/499: 17%|██         | 27/160 [02:53<13:54, 6.28s/it]print_dice: 0.5877454876899719
, print_iou: 0.41617533564567566
4535 Epoch 27/499: 18%|██         | 28/160 [02:59<13:47, 6.27s/it]print_dice: 0.5592490434646606
, print_iou: 0.3881649374961853
4536 Epoch 27/499: 18%|██         | 29/160 [03:05<13:45, 6.30s/it]print_dice: 0.5646737813949585
, print_iou: 0.3934114873409271
4537 Epoch 27/499: 19%|██         | 30/160 [03:12<13:33, 6.26s/it]print_dice: 0.6003813743591309
, print_iou: 0.4289606809616089
4538 Epoch 27/499: 19%|██         | 31/160 [03:18<13:23, 6.23s/it]print_dice: 0.5209160447120667
, print_iou: 0.3521882891654968
4539 Epoch 27/499: 20%|██         | 32/160 [03:24<13:11, 6.19s/it]print_dice: 0.
43710291385650635, print_iou: 0.27967479825019836
4540 Epoch 27/499: 21%|██         | 33/160 [03:30<13:07, 6.20s/it]print_dice: 0.5149925351142883
, print_iou: 0.34679460525512695
4541 print_dice: 0.5261117219924927, print_iou: 0.3569549322128296
4542 Epoch 27/499: 22%|██         | 35/160 [03:42<12:49, 6.15s/it]print_dice: 0.5454395413398743
, print_iou: 0.37498578429222107
4543 Epoch 27/499: 22%|██         | 36/160 [03:49<12:50, 6.21s/it]print_dice: 0.4653795659542084
, print_iou: 0.3032538592815399
4544 Epoch 27/499: 23%|██         | 37/160 [03:55<12:42, 6.20s/it]print_dice: 0.5606905221939087
, print_iou: 0.3895552456378937
4545 Epoch 27/499: 24%|██         | 38/160 [04:01<12:33, 6.18s/it]print_dice: 0.5172452926635742
, print_iou: 0.34884077310562134
4546 Epoch 27/499: 24%|██         | 39/160 [04:07<12:27, 6.18s/it]print_dice: 0.
49812963604927063, print_iou: 0.33167287707328796
4547 Epoch 27/499: 25%|██         | 40/160 [04:13<12:25, 6.21s/it]print_dice: 0.5094483494758606
, print_iou: 0.3417850732803345
4548 Epoch 27/499: 26%|██         | 41/160 [04:20<12:26, 6.27s/it]print_dice: 0.5408071279525757
, print_iou: 0.3706207275390625
4549 print_dice: 0.4997745454311371, print_iou: 0.33313295245170593
4550 Epoch 27/499: 27%|██         | 43/160 [04:32<12:12, 6.26s/it]print_dice: 0.502933144569397
, print_iou: 0.33594566583633423
4551 Epoch 27/499: 28%|██         | 44/160 [04:39<12:09, 6.29s/it]print_dice: 0.5108485817909241
, print_iou: 0.34304678440093994
4552 print_dice: 0.6000027656555176, print_iou: 0.42857426404953003
4553 Epoch 27/499: 29%|██         | 46/160 [04:51<11:49, 6.22s/it]print_dice: 0.5635476112365723
, print_iou: 0.3923190236091614
4554 print_dice: 0.46896862983703613, print_iou: 0.30630895495414734
4555 Epoch 27/499: 30%|██         | 48/160 [05:03<11:33, 6.20s/it]print_dice: 0.
49978163838386536, print_iou: 0.33313924074172974
4556 Epoch 27/499: 31%|██         | 49/160 [05:10<11:30, 6.22s/it]print_dice: 0.5125119686126709
, print_iou: 0.34454864263534546
4557 Epoch 27/499: 31%|██         | 50/160 [05:16<11:24, 6.23s/it]print_dice: 0.5740348100662231
, print_iou: 0.4025588035583496
4558 print_dice: 0.5099982619285583, print_iou: 0.3422802984714508
4559 Epoch 27/499: 32%|██         | 52/160 [05:28<11:16, 6.26s/it]print_dice: 0.580685555934906
, print_iou: 0.4091309905052185
4560 print_dice: 0.4637956917285919, print_iou: 0.3019101619720459
4561 Epoch 27/499: 34%|██         | 54/160 [05:41<10:54, 6.18s/it]print_dice: 0.5126161575317383
, print_iou: 0.3446428179740906
4562 Epoch 27/499: 34%|██         | 55/160 [05:47<10:50, 6.19s/it]print_dice: 0.5614800453186035

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4562 , print_iou: 0.3903178870677948
4563 print_dice: 0.5579878091812134, print_iou: 0.3869507908821106
4564 Epoch 27/499: 36%|██████| 57/160 [05:59<10:43, 6.24s/it]print_dice: 0.5135116577148438
, print_iou: 0.3454528748989105
4565 Epoch 27/499: 36%|██████| 58/160 [06:06<10:41, 6.28s/it]print_dice: 0.5773960947990417
, print_iou: 0.40587273240089417
4566 Epoch 27/499: 37%|██████| 59/160 [06:12<10:37, 6.31s/it]print_dice: 0.5224475860595703
, print_iou: 0.35358989238739014
4567 print_dice: 0.5160989761352539, print_iou: 0.34779882431030273
4568 Epoch 27/499: 38%|██████| 61/160 [06:25<10:21, 6.28s/it]print_dice: 0.513956606388092
, print_iou: 0.3458557426929474
4569 print_dice: 0.4668113589286804, print_iou: 0.3044709265232086
4570 Epoch 27/499: 39%|██████| 63/160 [06:37<10:11, 6.30s/it]print_dice: 0.5562893152236938
, print_iou: 0.3853191137313843
4571 Epoch 27/499: 40%|██████| 64/160 [06:44<10:02, 6.27s/it]print_dice: 0.615551769733429
, print_iou: 0.444618821144104
4572 Epoch 27/499: 41%|██████| 65/160 [06:50<09:56, 6.28s/it]print_dice: 0.5151374340057373
, print_iou: 0.3469260036945343
4573 Epoch 27/499: 41%|██████| 66/160 [06:56<09:48, 6.26s/it]print_dice: 0.5955471992492676
, print_iou: 0.4240421652793884
4574 print_dice: 0.5072776079177856, print_iou: 0.3398338556289673
4575 Epoch 27/499: 42%|██████| 68/160 [07:09<09:39, 6.30s/it]print_dice: 0.5063380002975464
, print_iou: 0.3389910161495209
4576 Epoch 27/499: 43%|██████| 69/160 [07:15<09:33, 6.30s/it]print_dice: 0.5403499007225037
, print_iou: 0.37019139528274536
4577 Epoch 27/499: 44%|██████| 70/160 [07:21<09:23, 6.26s/it]print_dice: 0.4796087145805359
, print_iou: 0.31545084714889526
4578 print_dice: 0.47712305188179016, print_iou: 0.31330373883247375
4579 Epoch 27/499: 45%|██████| 72/160 [07:34<09:08, 6.23s/it]print_dice: 0.525256335735321
, print_iou: 0.35616788268089294
4580 Epoch 27/499: 46%|██████| 73/160 [07:40<09:00, 6.22s/it]print_dice: 0.6051990985870361
, print_iou: 0.43389642238616943
4581 Epoch 27/499: 46%|██████| 74/160 [07:46<08:56, 6.24s/it]print_dice: 0.5521831512451172
, print_iou: 0.38139021396636963
4582 print_dice: 0.5427136421203613, print_iou: 0.37241387367248535
4583 Epoch 27/499: 48%|██████| 76/160 [07:59<08:44, 6.25s/it]print_dice: 0.4943881332874298
, print_iou: 0.3283636271953583
4584 Epoch 27/499: 48%|██████| 77/160 [08:05<08:37, 6.24s/it]print_dice: 0.5506609082221985
, print_iou: 0.3799392879009247
4585 print_dice: 0.49809548258781433, print_iou: 0.3316425681114197
4586 Epoch 27/499: 49%|██████| 79/160 [08:17<08:28, 6.27s/it]print_dice: 0.5610999464988708
, print_iou: 0.38995063304901123
4587 print_dice: 0.5393580794334412, print_iou: 0.3692609965801239
4588 Epoch 27/499: 51%|██████| 81/160 [08:30<08:15, 6.28s/it]print_dice: 0.5389083027839661
, print_iou: 0.36883947253227234
4589 Epoch 27/499: 51%|██████| 82/160 [08:36<08:07, 6.25s/it]print_dice: 0.
48657235503196716, print_iou: 0.32150354981422424
4590 Epoch 27/499: 52%|██████| 83/160 [08:43<08:04, 6.29s/it]print_dice: 0.5320970416069031
, print_iou: 0.36248788237571716
4591 print_dice: 0.6469590067863464, print_iou: 0.478151798248291
4592 Epoch 27/499: 53%|██████| 85/160 [08:55<07:53, 6.31s/it]print_dice: 0.5129011869430542
, print_iou: 0.34490054845809937
4593 print_dice: 0.5363345742225647, print_iou: 0.3664324879646301
4594 Epoch 27/499: 54%|██████| 87/160 [09:08<07:41, 6.32s/it]print_dice: 0.5450344085693359
, print_iou: 0.37460294365882874
4595 Epoch 27/499: 55%|██████| 88/160 [09:14<07:33, 6.30s/it]print_dice: 0.4842990040779114
, print_iou: 0.3195214867591858
4596 Epoch 27/499: 56%|██████| 89/160 [09:20<07:26, 6.29s/it]print_dice: 0.4724958837032318
, print_iou: 0.3093254566192627
4597 Epoch 27/499: 56%|██████| 90/160 [09:27<07:19, 6.27s/it]print_dice: 0.442125141620636
, print_iou: 0.2838001549243927
4598 print_dice: 0.5185222029685974, print_iou: 0.35000336170196533
4599 Epoch 27/499: 57%|██████| 92/160 [09:39<07:05, 6.26s/it]print_dice: 0.4437923729419708
, print_iou: 0.28517553210258484
4600 print_dice: 0.5417484641075134, print_iou: 0.3715054988861084
4601 Epoch 27/499: 59%|██████| 94/160 [09:52<06:56, 6.31s/it]print_dice: 0.5838949084281921
, print_iou: 0.41232457756996155
4602 Epoch 27/499: 59%|██████| 95/160 [09:58<06:49, 6.29s/it]print_dice: 0.
48744842410087585, print_iou: 0.3222689628601074

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4603 Epoch 27/499: 60%|███████| 96/160 [10:04<06:44, 6.32s/it]print_dice: 0.5660267472267151
, print_iou: 0.39472612738609314
4604 Epoch 27/499: 61%|███████| 97/160 [10:11<06:39, 6.34s/it]print_dice: 0.5938247442245483
, print_iou: 0.4222978353500366
4605 print_dice: 0.5018919110298157, print_iou: 0.3350171446800232
4606 Epoch 27/499: 62%|███████| 99/160 [10:24<06:32, 6.43s/it]print_dice: 0.4704267680644989
, print_iou: 0.3075542747974396
4607 print_dice: 0.552108108997345, print_iou: 0.381318598985672
4608 Epoch 27/499: 63%|███████| 101/160 [10:36<06:16, 6.37s/it]print_dice: 0.
4592195451259613, print_iou: 0.29804345965385437
4609 [100/160] eta: 0:06:18 time: 6.3243 data: 0.0004
4610 Epoch 27/499: 64%|███████| 102/160 [10:43<06:07, 6.34s/it]print_dice: 0.
4684081971645355, print_iou: 0.3058309555053711
4611 Epoch 27/499: 64%|███████| 103/160 [10:49<06:02, 6.36s/it]print_dice: 0.
5463035106658936, print_iou: 0.37580302357673645
4612 Epoch 27/499: 65%|███████| 104/160 [10:55<05:53, 6.31s/it]print_dice: 0.
4923611283302307, print_iou: 0.32657763361930847
4613 Epoch 27/499: 66%|███████| 105/160 [11:02<05:46, 6.30s/it]print_dice: 0.
44852718710899353, print_iou: 0.2890976667404175
4614 Epoch 27/499: 66%|███████| 106/160 [11:08<05:39, 6.29s/it]print_dice: 0.597304105758667
, print_iou: 0.4258258044719696
4615 print_dice: 0.5357444286346436, print_iou: 0.3658817410469055
4616 Epoch 27/499: 68%|███████| 108/160 [11:20<05:26, 6.28s/it]print_dice: 0.
4880902171134949, print_iou: 0.3228302597999573
4617 Epoch 27/499: 68%|███████| 109/160 [11:27<05:19, 6.26s/it]print_dice: 0.
48317158222198486, print_iou: 0.31854069232940674
4618 Epoch 27/499: 69%|███████| 110/160 [11:33<05:12, 6.26s/it]print_dice: 0.
49828648567199707, print_iou: 0.33181196451187134
4619 Epoch 27/499: 69%|███████| 111/160 [11:39<05:07, 6.27s/it]print_dice: 0.538580596446991
, print_iou: 0.36853256821632385
4620 Epoch 27/499: 70%|███████| 112/160 [11:45<05:00, 6.26s/it]print_dice: 0.
5694840550422668, print_iou: 0.3980969488620758
4621 print_dice: 0.5236296653747559, print_iou: 0.3546736240386963
4622 Epoch 27/499: 71%|███████| 114/160 [11:58<04:48, 6.27s/it]print_dice: 0.
5752548575401306, print_iou: 0.40375983715057373
4623 Epoch 27/499: 72%|███████| 115/160 [12:04<04:41, 6.25s/it]print_dice: 0.
5570971369743347, print_iou: 0.38609471917152405
4624 Epoch 27/499: 72%|███████| 116/160 [12:10<04:34, 6.24s/it]print_dice: 0.
43685173988342285, print_iou: 0.27946916222572327
4625 Epoch 27/499: 73%|███████| 117/160 [12:17<04:30, 6.29s/it]print_dice: 0.545393705368042
, print_iou: 0.37494251132011414
4626 Epoch 27/499: 74%|███████| 118/160 [12:23<04:24, 6.29s/it]print_dice: 0.
5040567517280579, print_iou: 0.33694911003112793
4627 Epoch 27/499: 74%|███████| 119/160 [12:29<04:18, 6.31s/it]print_dice: 0.
49630120396614075, print_iou: 0.3300535976886749
4628 Epoch 27/499: 75%|███████| 120/160 [12:36<04:12, 6.31s/it]print_dice: 0.532232403755188
, print_iou: 0.3626135587692261
4629 print_dice: 0.49626585841178894, print_iou: 0.33002233505249023
4630 Epoch 27/499: 76%|███████| 122/160 [12:48<03:59, 6.31s/it]print_dice: 0.550021231174469
, print_iou: 0.3793305456638336
4631 Epoch 27/499: 77%|███████| 123/160 [12:55<03:52, 6.29s/it]print_dice: 0.
5732427835464478, print_iou: 0.40178021788597107
4632 Epoch 27/499: 78%|███████| 124/160 [13:01<03:45, 6.27s/it]print_dice: 0.
6026161909103394, print_iou: 0.4312460422515869
4633 print_dice: 0.5357151627540588, print_iou: 0.3658544719219208
4634 Epoch 27/499: 79%|███████| 126/160 [13:13<03:32, 6.26s/it]print_dice: 0.
5974698066711426, print_iou: 0.42599427700042725
4635 Epoch 27/499: 79%|███████| 127/160 [13:20<03:25, 6.23s/it]print_dice: 0.
5872637033462524, print_iou: 0.41569238901138306
4636 Epoch 27/499: 80%|███████| 128/160 [13:26<03:20, 6.25s/it]print_dice: 0.
4595888555049896, print_iou: 0.2983546555042267
4637 Epoch 27/499: 81%|███████| 129/160 [13:32<03:14, 6.28s/it]print_dice: 0.
4907890856266022, print_iou: 0.3251958191394806
4638 Epoch 27/499: 81%|███████| 130/160 [13:38<03:07, 6.26s/it]print_dice: 0.
5667119026184082, print_iou: 0.39539283514022827
4639 Epoch 27/499: 82%|███████| 131/160 [13:45<03:02, 6.30s/it]print_dice: 0.
6011140942573547, print_iou: 0.42970913648605347
4640 Epoch 27/499: 82%|███████| 132/160 [13:51<02:55, 6.27s/it]print_dice: 0.549414336681366
, print_iou: 0.3787534832954407
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4641 Epoch 27/499: 83%|██████████| 133/160 [13:57<02:48, 6.25s/it]print_dice: 0.
    5408927202224731, print_iou: 0.3707011342048645
4642 print_dice: 0.49664637446403503, print_iou: 0.33035898208618164
4643 Epoch 27/499: 84%|██████████| 135/160 [14:10<02:37, 6.28s/it]print_dice: 0.
    5400417447090149, print_iou: 0.3699021637439728
4644 print_dice: 0.6139675378799438, print_iou: 0.44296765327453613
4645 Epoch 27/499: 86%|██████████| 137/160 [14:22<02:24, 6.27s/it]print_dice: 0.
    45234057307243347, print_iou: 0.29227396845817566
4646 Epoch 27/499: 86%|██████████| 138/160 [14:29<02:17, 6.27s/it]print_dice: 0.
    5485945343971252, print_iou: 0.37797465920448303
4647 Epoch 27/499: 87%|██████████| 139/160 [14:35<02:12, 6.29s/it]print_dice: 0.
    5127706527709961, print_iou: 0.3447825014591217
4648 print_dice: 0.5367439985275269, print_iou: 0.3668147921562195
4649 Epoch 27/499: 88%|██████████| 141/160 [14:47<01:59, 6.29s/it]print_dice: 0.
    4742412269115448, print_iou: 0.3108232021331787
4650 Epoch 27/499: 89%|██████████| 142/160 [14:54<01:52, 6.25s/it]print_dice: 0.
    5683664679527283, print_iou: 0.39700552821159363
4651 Epoch 27/499: 89%|██████████| 143/160 [15:00<01:46, 6.25s/it]print_dice: 0.
    5890422463417053, print_iou: 0.4174768924713135
4652 print_dice: 0.5018702745437622, print_iou: 0.33499786257743835
4653 Epoch 27/499: 91%|██████████| 145/160 [15:12<01:33, 6.24s/it]print_dice: 0.
    47507232427597046, print_iou: 0.31153759360313416
4654 print_dice: 0.5872539281845093, print_iou: 0.4156825542449951
4655 Epoch 27/499: 92%|██████████| 147/160 [15:25<01:21, 6.28s/it]print_dice: 0.522546648979187
    , print_iou: 0.35368064045906067
4656 print_dice: 0.5295238494873047, print_iou: 0.36010366678237915
4657 Epoch 27/499: 93%|██████████| 149/160 [15:38<01:09, 6.30s/it]print_dice: 0.
    44009625911712646, print_iou: 0.2821303904056549
4658 print_dice: 0.568599989509583, print_iou: 0.3972334861755371
4659 Epoch 27/499: 94%|██████████| 151/160 [15:50<00:56, 6.30s/it]print_dice: 0.
    5617735981941223, print_iou: 0.39060163497924805
4660 print_dice: 0.536566555500305, print_iou: 0.3666490912437439
4661 Epoch 27/499: 96%|██████████| 153/160 [16:03<00:43, 6.27s/it]print_dice: 0.627566397190094
    , print_iou: 0.4572654366493225
4662 print_dice: 0.5507818460464478, print_iou: 0.38005444407463074
4663 Epoch 27/499: 97%|██████████| 155/160 [16:15<00:31, 6.23s/it]print_dice: 0.
    5466228723526001, print_iou: 0.37610530853271484
4664 Epoch 27/499: 98%|██████████| 156/160 [16:21<00:24, 6.24s/it]print_dice: 0.
    4268513321876526, print_iou: 0.2713356614112854
4665 print_dice: 0.6215839982032776, print_iou: 0.4509407877922058
4666 Epoch 27/499: 99%|██████████| 158/160 [16:34<00:12, 6.30s/it]print_dice: 0.
    4967188239097595, print_iou: 0.33042311668395996
4667 Epoch 27/499: 99%|██████████| 159/160 [16:40<00:06, 6.24s/it]print_dice: 0.
    5946024656295776, print_iou: 0.42308488488197327
4668 print_dice: 0.5538305044174194, print_iou: 0.38296374678611755
4669 [159/160] eta: 0:00:06 time: 6.2490 data: 0.0004
4670 Epoch 27/499: 100%|██████████| 160/160 [16:47<00:00, 6.30s/it]
4671 Total time: 0:16:47 (6.2963 s / it)
4672 Averaged stats: training_loss: 39.0787 (39.0787) loss_mask: 38.8394 (38.8394) loss_dice: 0
    .2393 (0.2393)
4673 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8359388051322
4674 Validating...
4675 Valid_dataloader len: 12
4676 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.7389e-04, 7.
    0668e-04, 7.1111e-04, ..., 9.9997e-01, 9.9997e-01,
4677     9.9997e-01], grad_fn=<Unique2Backward0>)
4678 8%|██████████| 1/12 [00:08<01:36, 8.78s/it]print_dice: 0.5655797719955444, print_iou: 0.
    39429154992103577
4679 [ 0/12] eta: 0:01:45 time: 8.7822 data: 4.8278
4680 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.3675e-04, 7.
    6743e-04, 7.7100e-04, ..., 9.9997e-01, 9.9997e-01,
4681     9.9997e-01], grad_fn=<Unique2Backward0>)
4682 print_dice: 0.6132025122642517, print_iou: 0.4421716630458832
4683 17%|██████████| 2/12 [00:12<01:00, 6.09s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([2.6927e-04, 2.8201e-04, 2.8497e-04, ..., 1.0000e+00, 1.
    0000e+00,
4684     1.0000e+00], grad_fn=<Unique2Backward0>)
4685 25%|██████████| 3/12 [00:17<00:46, 5.20s/it]print_dice: 0.5376641154289246, print_iou: 0.
    367674857378006

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4686 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.3501e-04, 8.
      8334e-04, 9.0067e-04, ..., 9.9996e-01, 9.9996e-01,
4687      9.9996e-01], grad_fn=<Unique2Backward0>)
4688 33%|███████| 4/12 [00:21<00:38, 4.80s/it]print_dice: 0.5298718214035034, print_iou: 0.
      36042559146881104
4689 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.9893e-04, 3.
      0173e-04, 3.0541e-04, ..., 1.0000e+00, 1.0000e+00,
4690      1.0000e+00], grad_fn=<Unique2Backward0>)
4691 42%|███████| 5/12 [00:25<00:32, 4.58s/it]print_dice: 0.5851870179176331, print_iou: 0.
      413614422082901
4692 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.6743e-04, 1.
      6919e-04, 1.7164e-04, ..., 1.0000e+00, 1.0000e+00,
4693      1.0000e+00], grad_fn=<Unique2Backward0>)
4694 50%|███████| 6/12 [00:29<00:26, 4.47s/it]print_dice: 0.5173670649528503, print_iou: 0.
      3489515781402588
4695 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.9883e-04, 3.
      0167e-04, 3.0518e-04, ..., 1.0000e+00, 1.0000e+00,
4696      1.0000e+00], grad_fn=<Unique2Backward0>)
4697 58%|███████| 7/12 [00:33<00:21, 4.39s/it]print_dice: 0.44914329051971436, print_iou: 0
      .28960978984832764
4698 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.9888e-04, 3.
      0164e-04, 3.0525e-04, ..., 1.0000e+00, 1.0000e+00,
4699      1.0000e+00], grad_fn=<Unique2Backward0>)
4700 67%|███████| 8/12 [00:38<00:17, 4.33s/it]print_dice: 0.5541598200798035, print_iou: 0.
      3832787871360779
4701 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.6430e-04, 2.
      6497e-04, 2.6624e-04, ..., 1.0000e+00, 1.0000e+00,
4702      1.0000e+00], grad_fn=<Unique2Backward0>)
4703 75%|███████| 9/12 [00:42<00:12, 4.27s/it]print_dice: 0.5720446705818176, print_iou: 0.
      4006040394306183
4704 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.9882e-04, 3.
      0165e-04, 3.0526e-04, ..., 1.0000e+00, 1.0000e+00,
4705      1.0000e+00], grad_fn=<Unique2Backward0>)
4706 83%|███████| 10/12 [00:46<00:08, 4.23s/it]print_dice: 0.5858261585235596, print_iou: 0
      .414253294467926
4707 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.9453e-04, 1.
      9475e-04, 1.9497e-04, ..., 1.0000e+00, 1.0000e+00,
4708      1.0000e+00], grad_fn=<Unique2Backward0>)
4709 92%|███████| 11/12 [00:50<00:04, 4.18s/it]print_dice: 0.6212071776390076, print_iou: 0
      .4505442678928375
4710 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0011, 0.0011
      , 0.0011, ..., 1.0000, 1.0000, 1.0000],
4711      grad_fn=<Unique2Backward0>)
4712 print_dice: 0.58421391248703, print_iou: 0.41264280676841736
4713 [11/12] eta: 0:00:04 time: 4.5537 data: 0.4029
4714 100%|███████| 12/12 [00:55<00:00, 4.59s/it]
4715 Total time: 0:00:55 (4.5865 s / it)
4716 =====
4717 Averaged stats:
4718 Epoch 28/499: 0%| | 0/160 [00:00<?, ?it/s]epoch: 28 learning rate: 1e-07
4719 Epoch 28/499: 1%| | 1/160 [00:10<28:00, 10.57s/it]print_dice: 0.570648193359375
      , print_iou: 0.39923566579818726
4720 [ 0/160] eta: 0:28:11 time: 10.5716 data: 4.0488
4721 Epoch 28/499: 1%|| | 2/160 [00:16<20:56, 7.95s/it]print_dice: 0.5699945092201233
      , print_iou: 0.39859601855278015
4722 print_dice: 0.45385828614234924, print_iou: 0.2935424745082855
4723 Epoch 28/499: 2%|| | 4/160 [00:28<17:31, 6.74s/it]print_dice: 0.5283463001251221
      , print_iou: 0.3590153455734253
4724 Epoch 28/499: 3%|| | 5/160 [00:35<17:03, 6.60s/it]print_dice: 0.6010290384292603
      , print_iou: 0.42962226271629333
4725 Epoch 28/499: 4%|| | 6/160 [00:41<16:34, 6.46s/it]print_dice: 0.5081903338432312
      , print_iou: 0.3406536281108856
4726 print_dice: 0.5247939229011536, print_iou: 0.35574278235435486
4727 Epoch 28/499: 5%|| | 8/160 [00:53<15:55, 6.28s/it]print_dice: 0.4904119372367859
      , print_iou: 0.3248647451400757
4728 Epoch 28/499: 6%|| | 9/160 [01:00<15:52, 6.31s/it]print_dice: 0.5286628007888794
      , print_iou: 0.3593077063560486
4729 Epoch 28/499: 6%|| | 10/160 [01:06<15:43, 6.29s/it]print_dice: 0.4994337558746338
      , print_iou: 0.3328302204608917

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4730 print_dice: 0.56661456823349, print_iou: 0.3952980935573578
4731 Epoch 28/499: 8%|██████| 12/160 [01:18<15:20, 6.22s/it]print_dice: 0.494891881942749
, print_iou: 0.3288081884384155
4732 Epoch 28/499: 8%|██████| 13/160 [01:24<15:12, 6.21s/it]print_dice: 0.
43725696206092834, print_iou: 0.2798009514808655
4733 print_dice: 0.5668950080871582, print_iou: 0.39557114243507385
4734 Epoch 28/499: 9%|██████| 15/160 [01:37<14:59, 6.21s/it]print_dice: 0.53933185338974
, print_iou: 0.36923643946647644
4735 Epoch 28/499: 10%|██████| 16/160 [01:43<14:49, 6.18s/it]print_dice: 0.
47454598546028137, print_iou: 0.3110850751399994
4736 Epoch 28/499: 11%|██████| 17/160 [01:49<14:44, 6.19s/it]print_dice: 0.5531922578811646
, print_iou: 0.38235363364219666
4737 Epoch 28/499: 11%|██████| 18/160 [01:55<14:40, 6.20s/it]print_dice: 0.5525463223457336
, print_iou: 0.38173678517341614
4738 Epoch 28/499: 12%|██████| 19/160 [02:02<14:41, 6.25s/it]print_dice: 0.5865014791488647
, print_iou: 0.41492894291877747
4739 print_dice: 0.532312273979187, print_iou: 0.36268770694732666
4740 Epoch 28/499: 13%|██████| 21/160 [02:14<14:25, 6.22s/it]print_dice: 0.5223813056945801
, print_iou: 0.3535291850566864
4741 Epoch 28/499: 14%|██████| 22/160 [02:20<14:17, 6.21s/it]print_dice: 0.5262822508811951
, print_iou: 0.35711196064949036
4742 print_dice: 0.47024935483932495, print_iou: 0.3074026107788086
4743 Epoch 28/499: 15%|██████| 24/160 [02:33<14:06, 6.22s/it]print_dice: 0.5487796664237976
, print_iou: 0.37815049290657043
4744 Epoch 28/499: 16%|██████| 25/160 [02:39<14:03, 6.24s/it]print_dice: 0.5396709442138672
, print_iou: 0.3695543706417084
4745 Epoch 28/499: 16%|██████| 26/160 [02:45<13:58, 6.26s/it]print_dice: 0.5098029971122742
, print_iou: 0.34210440516471863
4746 print_dice: 0.6521886587142944, print_iou: 0.4838871657848358
4747 Epoch 28/499: 18%|██████| 28/160 [02:58<13:41, 6.22s/it]print_dice: 0.5084642767906189
, print_iou: 0.340899795293808
4748 Epoch 28/499: 18%|██████| 29/160 [03:04<13:32, 6.20s/it]print_dice: 0.5029182434082031
, print_iou: 0.3359324038028717
4749 print_dice: 0.5703465342521667, print_iou: 0.39894038438796997
4750 Epoch 28/499: 19%|██████| 31/160 [03:16<13:21, 6.21s/it]print_dice: 0.6020596623420715
, print_iou: 0.4306762218475342
4751 Epoch 28/499: 20%|██████| 32/160 [03:22<13:15, 6.22s/it]print_dice: 0.5223183631896973
, print_iou: 0.3534714877605438
4752 print_dice: 0.5332446098327637, print_iou: 0.36355388164520264
4753 Epoch 28/499: 21%|██████| 34/160 [03:35<13:05, 6.23s/it]print_dice: 0.
46494320034980774, print_iou: 0.3028833866119385
4754 print_dice: 0.576817512512207, print_iou: 0.40530118346214294
4755 Epoch 28/499: 22%|██████| 36/160 [03:47<12:46, 6.18s/it]print_dice: 0.593277633190155
, print_iou: 0.4217446744441986
4756 print_dice: 0.522355318069458, print_iou: 0.35350534319877625
4757 Epoch 28/499: 24%|██████| 38/160 [04:00<12:37, 6.21s/it]print_dice: 0.5146229267120361
, print_iou: 0.34645944833755493
4758 Epoch 28/499: 24%|██████| 39/160 [04:06<12:28, 6.18s/it]print_dice: 0.535659909248352
, print_iou: 0.36580291390419006
4759 Epoch 28/499: 25%|██████| 40/160 [04:12<12:23, 6.20s/it]print_dice: 0.5446550846099854
, print_iou: 0.37424466013908386
4760 print_dice: 0.5704022645950317, print_iou: 0.39899492263793945
4761 Epoch 28/499: 26%|██████| 42/160 [04:24<12:08, 6.17s/it]print_dice: 0.5062609910964966
, print_iou: 0.33892202377319336
4762 print_dice: 0.43013107776641846, print_iou: 0.27399173378944397
4763 Epoch 28/499: 28%|██████| 44/160 [04:37<11:59, 6.21s/it]print_dice: 0.
49834033846855164, print_iou: 0.3318597078323364
4764 print_dice: 0.5500723719596863, print_iou: 0.37937918305397034
4765 Epoch 28/499: 29%|██████| 46/160 [04:49<11:46, 6.20s/it]print_dice: 0.4774145185947418
, print_iou: 0.31355515122413635
4766 print_dice: 0.5692848563194275, print_iou: 0.3979022800922394
4767 Epoch 28/499: 30%|██████| 48/160 [05:02<11:37, 6.22s/it]print_dice: 0.5404883623123169
, print_iou: 0.3703213632106781
4768 Epoch 28/499: 31%|██████| 49/160 [05:08<11:29, 6.21s/it]print_dice: 0.552838146686554
, print_iou: 0.3820154070854187
4769 print_dice: 0.5355151295661926, print_iou: 0.3656679391860962
4770 Epoch 28/499: 32%|██████| 51/160 [05:21<11:29, 6.32s/it]print_dice: 0.5515006184577942
, print_iou: 0.3807392716407776
4771 Epoch 28/499: 32%|██████| 52/160 [05:27<11:16, 6.26s/it]print_dice: 0.5282096862792969

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4771 , print_iou: 0.35888922214508057
4772 Epoch 28/499: 33%|██████| 53/160 [05:33<11:08, 6.25s/it]print_dice: 0.5449445843696594
, print_iou: 0.37451809644699097
4773 Epoch 28/499: 34%|██████| 54/160 [05:39<11:01, 6.24s/it]print_dice: 0.5194205641746521
, print_iou: 0.3508225083351135
4774 Epoch 28/499: 34%|██████| 55/160 [05:46<10:56, 6.25s/it]print_dice: 0.4521675109863281
, print_iou: 0.2921294867992401
4775 Epoch 28/499: 35%|██████| 56/160 [05:52<10:47, 6.23s/it]print_dice: 0.5088227987289429
, print_iou: 0.34122219681739807
4776 Epoch 28/499: 36%|██████| 57/160 [05:58<10:40, 6.22s/it]print_dice: 0.5649556517601013
, print_iou: 0.39368513226509094
4777 Epoch 28/499: 36%|██████| 58/160 [06:04<10:31, 6.19s/it]print_dice: 0.5115326642990112
, print_iou: 0.3436640501022339
4778 print_dice: 0.5121548771858215, print_iou: 0.3442259430885315
4779 Epoch 28/499: 38%|██████| 60/160 [06:16<10:18, 6.18s/it]print_dice: 0.5641844272613525
, print_iou: 0.3929365575313568
4780 Epoch 28/499: 38%|██████| 61/160 [06:22<10:09, 6.15s/it]print_dice: 0.5109254121780396
, print_iou: 0.34311604499816895
4781 Epoch 28/499: 39%|██████| 62/160 [06:29<10:11, 6.24s/it]print_dice: 0.5437723994255066
, print_iou: 0.3734116554260254
4782 Epoch 28/499: 39%|██████| 63/160 [06:35<10:11, 6.30s/it]print_dice: 0.5393480658531189
, print_iou: 0.3692515790462494
4783 print_dice: 0.5664612054824829, print_iou: 0.3951488435268402
4784 Epoch 28/499: 41%|██████| 65/160 [06:48<10:00, 6.32s/it]print_dice: 0.4938598871231079
, print_iou: 0.32789769768714905
4785 Epoch 28/499: 41%|██████| 66/160 [06:54<09:51, 6.29s/it]print_dice: 0.5886830687522888
, print_iou: 0.4171161353588104
4786 Epoch 28/499: 42%|██████| 67/160 [07:00<09:42, 6.27s/it]print_dice: 0.5730490684509277
, print_iou: 0.40158987045288086
4787 Epoch 28/499: 42%|██████| 68/160 [07:07<09:36, 6.26s/it]print_dice: 0.5002656579017639
, print_iou: 0.3335695266723633
4788 print_dice: 0.5153836607933044, print_iou: 0.34714940190315247
4789 Epoch 28/499: 44%|██████| 70/160 [07:19<09:15, 6.17s/it]print_dice: 0.5531824827194214
, print_iou: 0.3823443055152893
4790 print_dice: 0.5415279865264893, print_iou: 0.3712981641292572
4791 Epoch 28/499: 45%|██████| 72/160 [07:31<09:06, 6.21s/it]print_dice: 0.4852525591850281
, print_iou: 0.32035210728645325
4792 Epoch 28/499: 46%|██████| 73/160 [07:38<09:04, 6.26s/it]print_dice: 0.6001683473587036
, print_iou: 0.4287432134151459
4793 Epoch 28/499: 46%|██████| 74/160 [07:44<08:55, 6.22s/it]print_dice: 0.4998517632484436
, print_iou: 0.3332015872001648
4794 Epoch 28/499: 47%|██████| 75/160 [07:50<08:47, 6.21s/it]print_dice: 0.5105376243591309
, print_iou: 0.3427663743495941
4795 print_dice: 0.5532606840133667, print_iou: 0.38241907954216003
4796 Epoch 28/499: 48%|██████| 77/160 [08:03<08:35, 6.21s/it]print_dice: 0.
48412033915519714, print_iou: 0.3193659484386444
4797 Epoch 28/499: 49%|██████| 78/160 [08:09<08:25, 6.17s/it]print_dice: 0.5194780826568604
, print_iou: 0.35087496042251587
4798 Epoch 28/499: 49%|██████| 79/160 [08:15<08:19, 6.17s/it]print_dice: 0.5086005926132202
, print_iou: 0.3410223722457886
4799 Epoch 28/499: 50%|██████| 80/160 [08:21<08:16, 6.20s/it]print_dice: 0.5889822840690613
, print_iou: 0.41741663217544556
4800 print_dice: 0.561012864112854, print_iou: 0.38986650109291077
4801 Epoch 28/499: 51%|██████| 82/160 [08:34<08:05, 6.22s/it]print_dice: 0.5471296310424805
, print_iou: 0.37658530473709106
4802 Epoch 28/499: 52%|██████| 83/160 [08:40<07:56, 6.19s/it]print_dice: 0.5522720217704773
, print_iou: 0.3814750015735626
4803 print_dice: 0.5498626232147217, print_iou: 0.3791796863079071
4804 Epoch 28/499: 53%|██████| 85/160 [08:52<07:47, 6.23s/it]print_dice: 0.4676971733570099
, print_iou: 0.30522504448890686
4805 Epoch 28/499: 54%|██████| 86/160 [08:59<07:42, 6.25s/it]print_dice: 0.5509727597236633
, print_iou: 0.38023629784584045
4806 Epoch 28/499: 54%|██████| 87/160 [09:05<07:32, 6.20s/it]print_dice: 0.
46985453367233276, print_iou: 0.3070652484893799
4807 Epoch 28/499: 55%|██████| 88/160 [09:11<07:24, 6.18s/it]print_dice: 0.5499657988548279
, print_iou: 0.3792777955532074
4808 Epoch 28/499: 56%|██████| 89/160 [09:17<07:19, 6.19s/it]print_dice: 0.5697305798530579
, print_iou: 0.3983379006385803
4809 Epoch 28/499: 56%|██████| 90/160 [09:23<07:12, 6.18s/it]print_dice: 0.5430817008018494

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4809 , print_iou: 0.3727605640888214
4810 Epoch 28/499: 57%|███████| 91/160 [09:29<07:03, 6.13s/it]print_dice: 0.5939311385154724
, print_iou: 0.4224054515361786
4811 print_dice: 0.5571019053459167, print_iou: 0.38609927892684937
4812 Epoch 28/499: 58%|███████| 93/160 [09:41<06:50, 6.13s/it]print_dice: 0.
42500534653663635, print_iou: 0.269845575094223
4813 Epoch 28/499: 59%|███████| 94/160 [09:48<06:45, 6.15s/it]print_dice: 0.5826475620269775
, print_iou: 0.4110816717147827
4814 Epoch 28/499: 59%|███████| 95/160 [09:54<06:37, 6.12s/it]print_dice: 0.519317090511322
, print_iou: 0.3507280945777893
4815 Epoch 28/499: 60%|███████| 96/160 [10:00<06:33, 6.15s/it]print_dice: 0.6018309593200684
, print_iou: 0.4304421842098236
4816 Epoch 28/499: 61%|███████| 97/160 [10:06<06:30, 6.21s/it]print_dice: 0.
47540637850761414, print_iou: 0.3118249773979187
4817 Epoch 28/499: 61%|███████| 98/160 [10:12<06:27, 6.24s/it]print_dice: 0.548908531665802
, print_iou: 0.3782728910446167
4818 print_dice: 0.450164258480072, print_iou: 0.2904593348503113
4819 Epoch 28/499: 62%|███████| 100/160 [10:25<06:12, 6.20s/it]print_dice: 0.
4821437895298004, print_iou: 0.31764787435531616
4820 Epoch 28/499: 63%|███████| 101/160 [10:31<06:05, 6.20s/it]print_dice: 0.
6036710143089294, print_iou: 0.4323272109031677
4821 [100/160] eta: 0:06:15 time: 6.1842 data: 0.0004
4822 print_dice: 0.4453126788139343, print_iou: 0.28643232583999634
4823 Epoch 28/499: 64%|███████| 103/160 [10:43<05:52, 6.18s/it]print_dice: 0.
5945995450019836, print_iou: 0.4230819344520569
4824 Epoch 28/499: 65%|███████| 104/160 [10:50<05:44, 6.16s/it]print_dice: 0.
5182573199272156, print_iou: 0.34976205229759216
4825 Epoch 28/499: 66%|███████| 105/160 [10:56<05:39, 6.18s/it]print_dice: 0.51839679479599
, print_iou: 0.3498890697956085
4826 Epoch 28/499: 66%|███████| 106/160 [11:02<05:31, 6.15s/it]print_dice: 0.565341591835022
, print_iou: 0.3940601050853729
4827 Epoch 28/499: 67%|███████| 107/160 [11:08<05:25, 6.15s/it]print_dice: 0.601435661315918
, print_iou: 0.4300379157066345
4828 Epoch 28/499: 68%|███████| 108/160 [11:14<05:20, 6.15s/it]print_dice: 0.
5137965679168701, print_iou: 0.345710813999176
4829 Epoch 28/499: 68%|███████| 109/160 [11:21<05:17, 6.22s/it]print_dice: 0.
5408958792686462, print_iou: 0.37070411443710327
4830 print_dice: 0.4801121950149536, print_iou: 0.31588658690452576
4831 Epoch 28/499: 69%|███████| 111/160 [11:33<05:03, 6.19s/it]print_dice: 0.
5633213520050049, print_iou: 0.3920997679233551
4832 Epoch 28/499: 70%|███████| 112/160 [11:39<04:56, 6.17s/it]print_dice: 0.
5362440943717957, print_iou: 0.3663480281829834
4833 print_dice: 0.5958941578865051, print_iou: 0.42439404129981995
4834 Epoch 28/499: 71%|███████| 114/160 [11:51<04:44, 6.18s/it]print_dice: 0.
4892807900905609, print_iou: 0.32387274503707886
4835 Epoch 28/499: 72%|███████| 115/160 [11:57<04:37, 6.18s/it]print_dice: 0.
4896228611469269, print_iou: 0.32417258620262146
4836 Epoch 28/499: 72%|███████| 116/160 [12:04<04:33, 6.23s/it]print_dice: 0.563396155834198
, print_iou: 0.392172247171402
4837 Epoch 28/499: 73%|███████| 117/160 [12:10<04:25, 6.18s/it]print_dice: 0.
5419783592224121, print_iou: 0.3717217743396759
4838 Epoch 28/499: 74%|███████| 118/160 [12:16<04:18, 6.15s/it]print_dice: 0.
5886307954788208, print_iou: 0.4170636832714081
4839 print_dice: 0.587473452091217, print_iou: 0.41590258479118347
4840 Epoch 28/499: 75%|███████| 120/160 [12:29<04:08, 6.21s/it]print_dice: 0.
4742681682109833, print_iou: 0.31084632873535156
4841 Epoch 28/499: 76%|███████| 121/160 [12:35<04:00, 6.17s/it]print_dice: 0.
5589314699172974, print_iou: 0.3878590166568756
4842 Epoch 28/499: 76%|███████| 122/160 [12:41<03:56, 6.22s/it]print_dice: 0.
44332000613212585, print_iou: 0.28478556871414185
4843 Epoch 28/499: 77%|███████| 123/160 [12:47<03:53, 6.30s/it]print_dice: 0.
6124019026756287, print_iou: 0.44133952260017395
4844 Epoch 28/499: 78%|███████| 124/160 [12:54<03:44, 6.24s/it]print_dice: 0.
6132567524909973, print_iou: 0.4422280192375183
4845 print_dice: 0.4782555103302002, print_iou: 0.3142811059951782
4846 Epoch 28/499: 79%|███████| 126/160 [13:06<03:31, 6.22s/it]print_dice: 0.516537070274353
, print_iou: 0.3481968343257904
4847 Epoch 28/499: 79%|███████| 127/160 [13:12<03:24, 6.21s/it]print_dice: 0.
6177607178688049, print_iou: 0.4469274878501892

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4848 print_dice: 0.5117382407188416, print_iou: 0.34384965896606445
4849 Epoch 28/499: 81%|██████████| 129/160 [13:24<03:12, 6.20s/it]print_dice: 0.
5144348740577698, print_iou: 0.3462889790534973
4850 Epoch 28/499: 81%|██████████| 130/160 [13:31<03:07, 6.24s/it]print_dice: 0.437004953622818
, print_iou: 0.2795946002006531
4851 Epoch 28/499: 82%|██████████| 131/160 [13:37<03:02, 6.29s/it]print_dice: 0.
5073558688163757, print_iou: 0.3399040997028351
4852 Epoch 28/499: 82%|██████████| 132/160 [13:43<02:56, 6.29s/it]print_dice: 0.
5117415189743042, print_iou: 0.34385257959365845
4853 print_dice: 0.5054285526275635, print_iou: 0.33817625045776367
4854 Epoch 28/499: 84%|██████████| 134/160 [13:56<02:42, 6.26s/it]print_dice: 0.
4860130846500397, print_iou: 0.3210153877735138
4855 print_dice: 0.5267910361289978, print_iou: 0.35758063197135925
4856 Epoch 28/499: 85%|██████████| 136/160 [14:08<02:28, 6.19s/it]print_dice: 0.
6114645600318909, print_iou: 0.44036656618118286
4857 Epoch 28/499: 86%|██████████| 137/160 [14:14<02:22, 6.18s/it]print_dice: 0.
5637243986129761, print_iou: 0.392490416765213
4858 Epoch 28/499: 86%|██████████| 138/160 [14:21<02:15, 6.18s/it]print_dice: 0.550257682800293
, print_iou: 0.37955552339553833
4859 Epoch 28/499: 87%|██████████| 139/160 [14:27<02:09, 6.19s/it]print_dice: 0.587465226650238
, print_iou: 0.4158943295478821
4860 Epoch 28/499: 88%|██████████| 140/160 [14:33<02:04, 6.20s/it]print_dice: 0.
5252216458320618, print_iou: 0.3561359643936157
4861 Epoch 28/499: 88%|██████████| 141/160 [14:39<01:57, 6.19s/it]print_dice: 0.624927818775177
, print_iou: 0.45446908473968506
4862 Epoch 28/499: 89%|██████████| 142/160 [14:45<01:51, 6.19s/it]print_dice: 0.
5534793138504028, print_iou: 0.3826279938220978
4863 print_dice: 0.5157016515731812, print_iou: 0.3474379777908325
4864 Epoch 28/499: 90%|██████████| 144/160 [14:58<01:39, 6.22s/it]print_dice: 0.
5420749187469482, print_iou: 0.3718125820159912
4865 Epoch 28/499: 91%|██████████| 145/160 [15:04<01:33, 6.21s/it]print_dice: 0.
49543970823287964, print_iou: 0.32929202914237976
4866 Epoch 28/499: 91%|██████████| 146/160 [15:10<01:26, 6.18s/it]print_dice: 0.
5393446683883667, print_iou: 0.3692483901977539
4867 Epoch 28/499: 92%|██████████| 147/160 [15:17<01:21, 6.24s/it]print_dice: 0.
5400139689445496, print_iou: 0.3698761463165283
4868 Epoch 28/499: 92%|██████████| 148/160 [15:23<01:15, 6.26s/it]print_dice: 0.
5770553350448608, print_iou: 0.405536025762558
4869 Epoch 28/499: 93%|██████████| 149/160 [15:29<01:08, 6.25s/it]print_dice: 0.
5473067760467529, print_iou: 0.37675315141677856
4870 Epoch 28/499: 94%|██████████| 150/160 [15:35<01:02, 6.23s/it]print_dice: 0.
4959842264652252, print_iou: 0.32977327704429626
4871 Epoch 28/499: 94%|██████████| 151/160 [15:41<00:55, 6.22s/it]print_dice: 0.
5137152671813965, print_iou: 0.34563717246055603
4872 Epoch 28/499: 95%|██████████| 152/160 [15:48<00:50, 6.26s/it]print_dice: 0.
5372555255889893, print_iou: 0.3672927916049957
4873 print_dice: 0.5560250282287598, print_iou: 0.3850655257701874
4874 Epoch 28/499: 96%|██████████| 154/160 [16:00<00:37, 6.22s/it]print_dice: 0.
46204185485839844, print_iou: 0.3004254996776581
4875 Epoch 28/499: 97%|██████████| 155/160 [16:06<00:30, 6.17s/it]print_dice: 0.
5868075489997864, print_iou: 0.4152354300022125
4876 Epoch 28/499: 98%|██████████| 156/160 [16:12<00:24, 6.18s/it]print_dice: 0.
45455700159072876, print_iou: 0.29412731528282166
4877 Epoch 28/499: 98%|██████████| 157/160 [16:19<00:18, 6.23s/it]print_dice: 0.
4741457402706146, print_iou: 0.3107411861419678
4878 print_dice: 0.46563807129859924, print_iou: 0.30347344279289246
4879 Epoch 28/499: 99%|██████████| 159/160 [16:31<00:06, 6.19s/it]print_dice: 0.
6157686710357666, print_iou: 0.4448452293872833
4880 Epoch 28/499: 100%|██████████| 160/160 [16:37<00:00, 6.16s/it]print_dice: 0.
5678852796554565, print_iou: 0.3965361416339874
4881 [159/160] eta: 0:00:06 time: 6.2106 data: 0.0007
4882 Epoch 28/499: 100%|██████████| 160/160 [16:38<00:00, 6.24s/it]
4883 Total time: 0:16:38 (6.2401 s / it)
4884 Averaged stats: training_loss: -182.3381 (-182.3381) loss_mask: -182.3940 (-182.3940)
loss_dice: 0.0559 (0.0559)
4885 0%| | 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8362492577871
4886 Validating...
4887 Valid_dataloader len: 12
4888 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.3643e-04, 5.
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4888 5177e-04, 5.7026e-04, ..., 9.9999e-01, 9.9999e-01,
4889      9.9999e-01], grad_fn=<Unique2Backward0>)
4890  8%|██████    | 1/12 [00:08<01:36,  8.78s/it]print_dice: 0.5571043491363525, print_iou: 0.
386101633310318
4891  [ 0/12] eta: 0:01:45    time: 8.7781  data: 4.7241
4892 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([9.8062e-04, 1.
0220e-03, 1.0331e-03, ..., 9.9997e-01, 9.9997e-01,
4893      9.9997e-01], grad_fn=<Unique2Backward0>)
4894 print_dice: 0.6102635860443115, print_iou: 0.4391218423843384
4895 17%|██████    | 2/12 [00:13<01:01,  6.13s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.6640e-04, 2.7647e-04, 2.8068e-04, ..., 1.0000e+00, 1.
0000e+00,
4896      1.0000e+00], grad_fn=<Unique2Backward0>)
4897 print_dice: 0.5338706970214844, print_iou: 0.3641361892223358
4898 25%|██████    | 3/12 [00:17<00:47,  5.24s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([0.0010, 0.0010, 0.0011, ..., 1.0000, 1.0000, 1.0000],
4899      grad_fn=<Unique2Backward0>)
4900 print_dice: 0.5209668874740601, print_iou: 0.35223478078842163
4901 33%|██████    | 4/12 [00:21<00:38,  4.85s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.6032e-04, 2.6282e-04, 2.6806e-04, ..., 1.0000e+00, 1.
0000e+00,
4902      1.0000e+00], grad_fn=<Unique2Backward0>)
4903 42%|██████    | 5/12 [00:25<00:32,  4.58s/it]print_dice: 0.5749353766441345, print_iou: 0.
40344512462615967
4904 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.4521e-04, 8.
9277e-04, 9.1348e-04, ..., 9.9996e-01, 9.9997e-01,
4905      9.9997e-01], grad_fn=<Unique2Backward0>)
4906 50%|██████    | 6/12 [00:29<00:26,  4.40s/it]print_dice: 0.5059743523597717, print_iou: 0.
3386651277542114
4907 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.4771e-04, 2.
5517e-04, 2.5526e-04, ..., 1.0000e+00, 1.0000e+00,
4908      1.0000e+00], grad_fn=<Unique2Backward0>)
4909 print_dice: 0.4386214315891266, print_iou: 0.2809193432331085
4910 58%|██████    | 7/12 [00:33<00:21,  4.32s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([1.4166e-04, 1.4168e-04, 1.4264e-04, ..., 1.0000e+00, 1.
0000e+00,
4911      1.0000e+00], grad_fn=<Unique2Backward0>)
4912 print_dice: 0.5505873560905457, print_iou: 0.379869282245636
4913 67%|██████    | 8/12 [00:37<00:16,  4.24s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([6.3546e-04, 6.5087e-04, 6.5284e-04, ..., 9.9999e-01, 9.
9999e-01,
4914      9.9999e-01], grad_fn=<Unique2Backward0>)
4915 75%|██████    | 9/12 [00:42<00:12,  4.22s/it]print_dice: 0.5669140219688416, print_iou: 0.
395589679479599
4916 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.8235e-04, 8.
2172e-04, 8.4300e-04, ..., 9.9998e-01, 9.9998e-01,
4917      9.9998e-01], grad_fn=<Unique2Backward0>)
4918 83%|██████    | 10/12 [00:46<00:08,  4.18s/it]print_dice: 0.5730801820755005, print_iou: 0
.40162044763565063
4919 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0012, 0.0012
, 0.0012, ..., 0.9999, 0.9999, 0.9999],
4920      grad_fn=<Unique2Backward0>)
4921 92%|██████    | 11/12 [00:50<00:04,  4.15s/it]print_dice: 0.6189742088317871, print_iou: 0
.4481988847255707
4922 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.9191e-04, 2.
9738e-04, 2.9949e-04, ..., 1.0000e+00, 1.0000e+00,
4923      1.0000e+00], grad_fn=<Unique2Backward0>)
4924 100%|██████    | 12/12 [00:54<00:00,  4.13s/it]print_dice: 0.5886549353599548, print_iou: 0
.4170878529548645
4925  [11/12] eta: 0:00:04    time: 4.5258  data: 0.3941
4926 Total time: 0:00:54 (4.5597 s / it)
4927 =====
4928 Averaged stats:
4929 100%|██████    | 12/12 [00:54<00:00,  4.56s/it]
4930 Epoch 29/499:   0%|          | 0/160 [00:00<?, ?it/s]epoch:   29   learning rate:   1e-07
4931 Epoch 29/499:   1%|          | 1/160 [00:10<27:25, 10.35s/it]print_dice: 0.5315538048744202
, print_iou: 0.3619838356971741
4932  [ 0/160] eta: 0:27:36    time: 10.3522  data: 4.0380
4933 Epoch 29/499:   1%||         | 2/160 [00:16<20:56,  7.95s/it]print_dice: 0.44557085633277893

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4933 , print_iou: 0.2866459786891937
4934 print_dice: 0.60006183385849, print_iou: 0.42863449454307556
4935 Epoch 29/499: 2%|█ | 4/160 [00:29<17:55, 6.89s/it]print_dice: 0.5832606554031372
, print_iou: 0.4116922616958618
4936 Epoch 29/499: 3%|█ | 5/160 [00:35<17:27, 6.76s/it]print_dice: 0.5655183792114258
, print_iou: 0.3942318856716156
4937 print_dice: 0.5389958024024963, print_iou: 0.3689214587211609
4938 Epoch 29/499: 4%|█ | 7/160 [00:48<16:30, 6.47s/it]print_dice: 0.542728066444397
, print_iou: 0.37242743372917175
4939 Epoch 29/499: 5%|█ | 8/160 [00:54<16:15, 6.42s/it]print_dice: 0.45150965452194214
, print_iou: 0.29158052802085876
4940 Epoch 29/499: 6%|█ | 9/160 [01:00<15:57, 6.34s/it]print_dice: 0.5040138959884644
, print_iou: 0.33691078424453735
4941 Epoch 29/499: 6%|█ | 10/160 [01:06<15:41, 6.27s/it]print_dice: 0.5051417946815491
, print_iou: 0.33791956305503845
4942 Epoch 29/499: 7%|█ | 11/160 [01:13<15:35, 6.28s/it]print_dice: 0.6064831614494324
, print_iou: 0.43521764874458313
4943 print_dice: 0.5060948133468628, print_iou: 0.33877304196357727
4944 Epoch 29/499: 8%|█ | 13/160 [01:25<15:09, 6.19s/it]print_dice: 0.4946456551551819
, print_iou: 0.32859084010124207
4945 Epoch 29/499: 9%|█ | 14/160 [01:31<15:00, 6.17s/it]print_dice: 0.6103110909461975
, print_iou: 0.43917104601860046
4946 Epoch 29/499: 9%|█ | 15/160 [01:37<14:53, 6.16s/it]print_dice: 0.
48027464747428894, print_iou: 0.3160272538661957
4947 print_dice: 0.5355072021484375, print_iou: 0.36566051840782166
4948 Epoch 29/499: 11%|█ | 17/160 [01:50<14:46, 6.20s/it]print_dice: 0.524764358997345
, print_iou: 0.3557156026363373
4949 Epoch 29/499: 11%|█ | 18/160 [01:56<14:41, 6.21s/it]print_dice: 0.5128121376037598
, print_iou: 0.3448199927806854
4950 Epoch 29/499: 12%|█ | 19/160 [02:02<14:31, 6.18s/it]print_dice: 0.48686683177948
, print_iou: 0.32176071405410767
4951 Epoch 29/499: 12%|█ | 20/160 [02:08<14:24, 6.17s/it]print_dice: 0.
47914472222328186, print_iou: 0.31504952907562256
4952 print_dice: 0.5160764455795288, print_iou: 0.3477783203125
4953 Epoch 29/499: 14%|█ | 22/160 [02:21<14:14, 6.20s/it]print_dice: 0.5677515268325806
, print_iou: 0.39640572667121887
4954 Epoch 29/499: 14%|█ | 23/160 [02:27<14:07, 6.19s/it]print_dice: 0.52761310338974
, print_iou: 0.3583386242389679
4955 Epoch 29/499: 15%|█ | 24/160 [02:33<14:02, 6.19s/it]print_dice: 0.5175738334655762
, print_iou: 0.3491396903991699
4956 Epoch 29/499: 16%|█ | 25/160 [02:39<13:58, 6.21s/it]print_dice: 0.5077495574951172
, print_iou: 0.34025758504867554
4957 Epoch 29/499: 16%|█ | 26/160 [02:45<13:50, 6.20s/it]print_dice: 0.5060297250747681
, print_iou: 0.33871474862098694
4958 Epoch 29/499: 17%|█ | 27/160 [02:52<13:44, 6.20s/it]print_dice: 0.5668371319770813
, print_iou: 0.3955147862434387
4959 Epoch 29/499: 18%|█ | 28/160 [02:58<13:36, 6.19s/it]print_dice: 0.4920657277107239
, print_iou: 0.32631775736808777
4960 Epoch 29/499: 18%|█ | 29/160 [03:04<13:27, 6.16s/it]print_dice: 0.4906456172466278
, print_iou: 0.3250698447227478
4961 Epoch 29/499: 19%|█ | 30/160 [03:10<13:22, 6.17s/it]print_dice: 0.5422137975692749
, print_iou: 0.37194326519966125
4962 Epoch 29/499: 19%|█ | 31/160 [03:16<13:15, 6.16s/it]print_dice: 0.5137755274772644
, print_iou: 0.3456917703151703
4963 Epoch 29/499: 20%|█ | 32/160 [03:22<13:11, 6.18s/it]print_dice: 0.
48512279987335205, print_iou: 0.32023900747299194
4964 Epoch 29/499: 21%|█ | 33/160 [03:29<13:07, 6.20s/it]print_dice: 0.5685406923294067
, print_iou: 0.3971755802631378
4965 Epoch 29/499: 21%|█ | 34/160 [03:35<12:58, 6.18s/it]print_dice: 0.5976094007492065
, print_iou: 0.42613619565963745
4966 Epoch 29/499: 22%|█ | 35/160 [03:41<12:52, 6.18s/it]print_dice: 0.5719557404518127
, print_iou: 0.4005168378353119
4967 print_dice: 0.5177576541900635, print_iou: 0.34930703043937683
4968 Epoch 29/499: 23%|█ | 37/160 [03:53<12:43, 6.21s/it]print_dice: 0.5649816393852234
, print_iou: 0.3937104046344757
4969 Epoch 29/499: 24%|█ | 38/160 [04:00<12:36, 6.20s/it]print_dice: 0.4639299511909485
, print_iou: 0.3020239472389221
4970 Epoch 29/499: 24%|█ | 39/160 [04:06<12:31, 6.21s/it]print_dice: 0.5418529510498047
, print_iou: 0.37160375714302063

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4971 print_dice: 0.5523715615272522, print_iou: 0.3815699815750122
4972 Epoch 29/499: 26%|██████| 41/160 [04:18<12:18, 6.21s/it]print_dice: 0.5335025787353516
, print_iou: 0.3637937307357788
4973 print_dice: 0.5469425916671753, print_iou: 0.3764081299304962
4974 Epoch 29/499: 27%|██████| 43/160 [04:31<12:13, 6.26s/it]print_dice: 0.5237312912940979
, print_iou: 0.3547669053077698
4975 Epoch 29/499: 28%|██████| 44/160 [04:37<12:02, 6.23s/it]print_dice: 0.5674833655357361
, print_iou: 0.3961443305015564
4976 Epoch 29/499: 28%|██████| 45/160 [04:43<12:00, 6.26s/it]print_dice: 0.5581712126731873
, print_iou: 0.38712722063064575
4977 print_dice: 0.5885375142097473, print_iou: 0.41697001457214355
4978 Epoch 29/499: 29%|██████| 47/160 [04:56<11:45, 6.25s/it]print_dice: 0.5371242761611938
, print_iou: 0.367170125246048
4979 Epoch 29/499: 30%|██████| 48/160 [05:02<11:41, 6.26s/it]print_dice: 0.5183183550834656
, print_iou: 0.3498176336288452
4980 print_dice: 0.5059775710105896, print_iou: 0.33866798877716064
4981 Epoch 29/499: 31%|██████| 50/160 [05:15<11:35, 6.32s/it]print_dice: 0.5689046382904053
, print_iou: 0.3975309133529663
4982 print_dice: 0.4604513943195343, print_iou: 0.29908207058906555
4983 Epoch 29/499: 32%|██████| 52/160 [05:27<11:18, 6.28s/it]print_dice: 0.5014082789421082
, print_iou: 0.33458635210990906
4984 Epoch 29/499: 33%|██████| 53/160 [05:34<11:07, 6.24s/it]print_dice: 0.5546706914901733
, print_iou: 0.383767694234848
4985 print_dice: 0.5668712854385376, print_iou: 0.3955480754375458
4986 Epoch 29/499: 34%|██████| 55/160 [05:46<10:50, 6.19s/it]print_dice: 0.541710376739502
, print_iou: 0.3714696764945984
4987 print_dice: 0.5379505753517151, print_iou: 0.36794281005859375
4988 Epoch 29/499: 36%|██████| 57/160 [05:58<10:37, 6.19s/it]print_dice: 0.
43543705344200134, print_iou: 0.2783122658729553
4989 print_dice: 0.5355303287506104, print_iou: 0.36568206548690796
4990 Epoch 29/499: 37%|██████| 59/160 [06:10<10:20, 6.14s/it]print_dice: 0.5413498282432556
, print_iou: 0.37113070487976074
4991 Epoch 29/499: 38%|██████| 60/160 [06:17<10:19, 6.19s/it]print_dice: 0.
49258679151535034, print_iou: 0.3267762064933777
4992 Epoch 29/499: 38%|██████| 61/160 [06:23<10:13, 6.20s/it]print_dice: 0.5681136250495911
, print_iou: 0.39675888419151306
4993 Epoch 29/499: 39%|██████| 62/160 [06:29<10:06, 6.18s/it]print_dice: 0.5023643970489502
, print_iou: 0.3354383409023285
4994 print_dice: 0.5028147101402283, print_iou: 0.33583998680114746
4995 Epoch 29/499: 40%|██████| 64/160 [06:41<09:51, 6.16s/it]print_dice: 0.5410834550857544
, print_iou: 0.3708803653717041
4996 print_dice: 0.5520006418228149, print_iou: 0.3812160789966583
4997 Epoch 29/499: 41%|██████| 66/160 [06:54<09:41, 6.18s/it]print_dice: 0.5531941652297974
, print_iou: 0.3823554813861847
4998 Epoch 29/499: 42%|██████| 67/160 [07:00<09:31, 6.14s/it]print_dice: 0.5976265668869019
, print_iou: 0.42615363001823425
4999 Epoch 29/499: 42%|██████| 68/160 [07:06<09:26, 6.15s/it]print_dice: 0.5467449426651001
, print_iou: 0.3762209117412567
5000 Epoch 29/499: 43%|██████| 69/160 [07:12<09:20, 6.16s/it]print_dice: 0.4276687204837799
, print_iou: 0.27199655771255493
5001 Epoch 29/499: 44%|██████| 70/160 [07:18<09:17, 6.20s/it]print_dice: 0.6038098931312561
, print_iou: 0.4324696660041809
5002 Epoch 29/499: 44%|██████| 71/160 [07:25<09:10, 6.19s/it]print_dice: 0.5194355249404907
, print_iou: 0.3508361577987671
5003 Epoch 29/499: 45%|██████| 72/160 [07:31<09:02, 6.17s/it]print_dice: 0.445853590965271
, print_iou: 0.2868800461292267
5004 print_dice: 0.6047297120094299, print_iou: 0.4334139823913574
5005 Epoch 29/499: 46%|██████| 74/160 [07:43<08:53, 6.21s/it]print_dice: 0.5461205840110779
, print_iou: 0.37562990188598633
5006 print_dice: 0.5292948484420776, print_iou: 0.3598918616771698
5007 Epoch 29/499: 48%|██████| 76/160 [07:56<08:38, 6.17s/it]print_dice: 0.5204989314079285
, print_iou: 0.3518070578575134
5008 Epoch 29/499: 48%|██████| 77/160 [08:02<08:33, 6.19s/it]print_dice: 0.541067361831665
, print_iou: 0.37086519598960876
5009 Epoch 29/499: 49%|██████| 78/160 [08:08<08:28, 6.20s/it]print_dice: 0.5150273442268372
, print_iou: 0.34682613611221313
5010 print_dice: 0.47895506024360657, print_iou: 0.31488552689552307
5011 Epoch 29/499: 50%|██████| 80/160 [08:20<08:15, 6.19s/it]print_dice: 0.5071616768836975
, print_iou: 0.33972981572151184
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5012 Epoch 29/499: 51%|██████| 81/160 [08:26<08:08, 6.18s/it]print_dice: 0.5732501745223999
, print_iou: 0.4017874300479889
5013 Epoch 29/499: 51%|██████| 82/160 [08:33<08:02, 6.18s/it]print_dice: 0.5481278896331787
, print_iou: 0.37753182649612427
5014 Epoch 29/499: 52%|██████| 83/160 [08:39<07:54, 6.16s/it]print_dice: 0.5521860122680664
, print_iou: 0.3813928961753845
5015 Epoch 29/499: 52%|██████| 84/160 [08:45<07:51, 6.21s/it]print_dice: 0.5129514932632446
, print_iou: 0.344946026802063
5016 print_dice: 0.5133010745048523, print_iou: 0.3452622592449188
5017 Epoch 29/499: 54%|██████| 86/160 [08:58<07:39, 6.21s/it]print_dice: 0.5582284927368164
, print_iou: 0.3871823847293854
5018 Epoch 29/499: 54%|██████| 87/160 [09:04<07:33, 6.21s/it]print_dice: 0.4692322611808777
, print_iou: 0.30653393268585205
5019 Epoch 29/499: 55%|██████| 88/160 [09:10<07:26, 6.20s/it]print_dice: 0.6126099228858948
, print_iou: 0.44155561923980713
5020 Epoch 29/499: 56%|██████| 89/160 [09:16<07:21, 6.22s/it]print_dice: 0.59061199426651
, print_iou: 0.41905564069747925
5021 Epoch 29/499: 56%|██████| 90/160 [09:22<07:15, 6.22s/it]print_dice: 0.
46815142035484314, print_iou: 0.30561205744743347
5022 print_dice: 0.4438493251800537, print_iou: 0.285222589969635
5023 Epoch 29/499: 57%|██████| 92/160 [09:35<07:02, 6.22s/it]print_dice: 0.4894005060195923
, print_iou: 0.32397767901420593
5024 print_dice: 0.5792680382728577, print_iou: 0.4077250361442566
5025 Epoch 29/499: 59%|██████| 94/160 [09:47<06:45, 6.15s/it]print_dice: 0.
41602495312690735, print_iou: 0.2626461386680603
5026 Epoch 29/499: 59%|██████| 95/160 [09:53<06:38, 6.14s/it]print_dice: 0.5885128378868103
, print_iou: 0.416945219039917
5027 Epoch 29/499: 60%|██████| 96/160 [09:59<06:36, 6.19s/it]print_dice: 0.4881938397884369
, print_iou: 0.32292091846466064
5028 Epoch 29/499: 61%|██████| 97/160 [10:06<06:28, 6.17s/it]print_dice: 0.4468715190887451
, print_iou: 0.28772345185279846
5029 Epoch 29/499: 61%|██████| 98/160 [10:12<06:22, 6.17s/it]print_dice: 0.5785408020019531
, print_iou: 0.40700486302375793
5030 Epoch 29/499: 62%|██████| 99/160 [10:18<06:17, 6.18s/it]print_dice: 0.5313105583190918
, print_iou: 0.361758291721344
5031 Epoch 29/499: 62%|██████| 100/160 [10:24<06:11, 6.19s/it]print_dice: 0.53944993019104
, print_iou: 0.36934712529182434
5032 Epoch 29/499: 63%|██████| 101/160 [10:30<06:04, 6.18s/it]print_dice: 0.
5143773555755615, print_iou: 0.34623685479164124
5033 [100/160] eta: 0:06:14 time: 6.1920 data: 0.0005
5034 Epoch 29/499: 64%|██████| 102/160 [10:37<06:02, 6.25s/it]print_dice: 0.
5438858270645142, print_iou: 0.3735186457633972
5035 Epoch 29/499: 64%|██████| 103/160 [10:43<05:53, 6.21s/it]print_dice: 0.
5316502451896667, print_iou: 0.36207330226898193
5036 print_dice: 0.4610871374607086, print_iou: 0.29961875081062317
5037 Epoch 29/499: 66%|██████| 105/160 [10:55<05:41, 6.20s/it]print_dice: 0.
6476099491119385, print_iou: 0.47886329889297485
5038 Epoch 29/499: 66%|██████| 106/160 [11:01<05:33, 6.18s/it]print_dice: 0.
5448113679885864, print_iou: 0.37439224123954773
5039 Epoch 29/499: 67%|██████| 107/160 [11:07<05:27, 6.17s/it]print_dice: 0.
4837783873081207, print_iou: 0.31906837224960327
5040 Epoch 29/499: 68%|██████| 108/160 [11:14<05:22, 6.21s/it]print_dice: 0.
5938130617141724, print_iou: 0.4222859740257263
5041 Epoch 29/499: 68%|██████| 109/160 [11:20<05:16, 6.21s/it]print_dice: 0.
6188076138496399, print_iou: 0.448024183511734
5042 Epoch 29/499: 69%|██████| 110/160 [11:26<05:08, 6.18s/it]print_dice: 0.
5174886584281921, print_iou: 0.3490621745586395
5043 Epoch 29/499: 69%|██████| 111/160 [11:32<05:03, 6.19s/it]print_dice: 0.
5035252571105957, print_iou: 0.3364742696285248
5044 Epoch 29/499: 70%|██████| 112/160 [11:39<04:57, 6.19s/it]print_dice: 0.
5081061720848083, print_iou: 0.34057796001434326
5045 Epoch 29/499: 71%|██████| 113/160 [11:45<04:51, 6.19s/it]print_dice: 0.
5887522101402283, print_iou: 0.41718557476997375
5046 print_dice: 0.5601296424865723, print_iou: 0.38901394605636597
5047 Epoch 29/499: 72%|██████| 115/160 [11:57<04:39, 6.21s/it]print_dice: 0.
5373683571815491, print_iou: 0.36739829182624817
5048 Epoch 29/499: 72%|██████| 116/160 [12:03<04:33, 6.22s/it]print_dice: 0.
5747637152671814, print_iou: 0.40327608585357666
5049 Epoch 29/499: 73%|██████| 117/160 [12:10<04:27, 6.21s/it]print_dice: 0.

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5049 4499920904636383, print_iou: 0.29031601548194885
5050 Epoch 29/499: 74%|██████████| 118/160 [12:16<04:21, 6.23s/it]print_dice: 0.
5828793048858643, print_iou: 0.41131240129470825
5051 Epoch 29/499: 74%|██████████| 119/160 [12:22<04:12, 6.16s/it]print_dice: 0.
5330949425697327, print_iou: 0.3634147644042969
5052 Epoch 29/499: 75%|██████████| 120/160 [12:28<04:07, 6.18s/it]print_dice: 0.
5171923041343689, print_iou: 0.34879255294799805
5053 Epoch 29/499: 76%|██████████| 121/160 [12:34<04:01, 6.19s/it]print_dice: 0.
5932931900024414, print_iou: 0.4217604100704193
5054 Epoch 29/499: 76%|██████████| 122/160 [12:40<03:54, 6.17s/it]print_dice: 0.
6215908527374268, print_iou: 0.45094799995422363
5055 Epoch 29/499: 77%|██████████| 123/160 [12:46<03:46, 6.13s/it]print_dice: 0.
5844331979751587, print_iou: 0.4128616154193878
5056 Epoch 29/499: 78%|██████████| 124/160 [12:53<03:42, 6.17s/it]print_dice: 0.
5189142227172852, print_iou: 0.3503606915473938
5057 print_dice: 0.5293107032775879, print_iou: 0.35990652441978455
5058 Epoch 29/499: 79%|██████████| 126/160 [13:05<03:30, 6.20s/it]print_dice: 0.
5428009629249573, print_iou: 0.372496098279953
5059 Epoch 29/499: 79%|██████████| 127/160 [13:11<03:24, 6.20s/it]print_dice: 0.
49280568957328796, print_iou: 0.3269689083099365
5060 print_dice: 0.49886077642440796, print_iou: 0.3323214650154114
5061 Epoch 29/499: 81%|██████████| 129/160 [13:24<03:12, 6.20s/it]print_dice: 0.
48190566897392273, print_iou: 0.3174411654472351
5062 Epoch 29/499: 81%|██████████| 130/160 [13:30<03:07, 6.25s/it]print_dice: 0.
5191940069198608, print_iou: 0.35061582922935486
5063 Epoch 29/499: 82%|██████████| 131/160 [13:36<03:00, 6.24s/it]print_dice: 0.
5521819591522217, print_iou: 0.3813890516757965
5064 Epoch 29/499: 82%|██████████| 132/160 [13:42<02:54, 6.22s/it]print_dice: 0.
5514828562736511, print_iou: 0.38072237372398376
5065 print_dice: 0.538719117641449, print_iou: 0.3686622977256775
5066 Epoch 29/499: 84%|██████████| 134/160 [13:55<02:42, 6.26s/it]print_dice: 0.
5605391263961792, print_iou: 0.3894090950489044
5067 Epoch 29/499: 84%|██████████| 135/160 [14:01<02:36, 6.25s/it]print_dice: 0.
5632981061935425, print_iou: 0.3920772075653076
5068 Epoch 29/499: 85%|██████████| 136/160 [14:07<02:28, 6.20s/it]print_dice: 0.
5902628898620605, print_iou: 0.41870421171188354
5069 Epoch 29/499: 86%|██████████| 137/160 [14:13<02:22, 6.18s/it]print_dice: 0.
5682541131973267, print_iou: 0.3968959450721741
5070 print_dice: 0.5009357333183289, print_iou: 0.3341656029224396
5071 Epoch 29/499: 87%|██████████| 139/160 [14:26<02:10, 6.22s/it]print_dice: 0.
5644114017486572, print_iou: 0.3931567668914795
5072 print_dice: 0.535980761051178, print_iou: 0.36610227823257446
5073 Epoch 29/499: 88%|██████████| 141/160 [14:38<01:57, 6.19s/it]print_dice: 0.525233805179596
, print_iou: 0.3561471700668335
5074 print_dice: 0.5541525483131409, print_iou: 0.3832717835903168
5075 Epoch 29/499: 89%|██████████| 143/160 [14:51<01:45, 6.22s/it]print_dice: 0.
6212162971496582, print_iou: 0.45055386424064636
5076 Epoch 29/499: 90%|██████████| 144/160 [14:57<01:39, 6.20s/it]print_dice: 0.
47477906942367554, print_iou: 0.31128543615341187
5077 Epoch 29/499: 91%|██████████| 145/160 [15:03<01:32, 6.18s/it]print_dice: 0.
4922505021095276, print_iou: 0.32648029923439026
5078 Epoch 29/499: 91%|██████████| 146/160 [15:10<01:27, 6.25s/it]print_dice: 0.
5471348762512207, print_iou: 0.3765902817249298
5079 Epoch 29/499: 92%|██████████| 147/160 [15:16<01:21, 6.28s/it]print_dice: 0.
4894702136516571, print_iou: 0.3240387737751007
5080 print_dice: 0.5423016548156738, print_iou: 0.3720259964466095
5081 Epoch 29/499: 93%|██████████| 149/160 [15:28<01:08, 6.26s/it]print_dice: 0.
5424176454544067, print_iou: 0.3721351623535156
5082 print_dice: 0.46516966819763184, print_iou: 0.3030756115913391
5083 Epoch 29/499: 94%|██████████| 151/160 [15:41<00:55, 6.20s/it]print_dice: 0.
5593860745429993, print_iou: 0.3882969915866852
5084 print_dice: 0.47420158982276917, print_iou: 0.31078916788101196
5085 Epoch 29/499: 96%|██████████| 153/160 [15:53<00:43, 6.19s/it]print_dice: 0.
46451523900032043, print_iou: 0.3025202453136444
5086 Epoch 29/499: 96%|██████████| 154/160 [15:59<00:37, 6.17s/it]print_dice: 0.
4731183350086212, print_iou: 0.30985918641090393
5087 Epoch 29/499: 97%|██████████| 155/160 [16:05<00:30, 6.19s/it]print_dice: 0.
5940513014793396, print_iou: 0.4225270450115204
5088 Epoch 29/499: 98%|██████████| 156/160 [16:12<00:25, 6.26s/it]print_dice: 0.

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5088 46485891938209534, print_iou: 0.302811861038208
5089 Epoch 29/499: 98%|██████████| 157/160 [16:18<00:18, 6.23s/it]print_dice: 0.
6042988300323486, print_iou: 0.4329714775085449
5090 print_dice: 0.4336300790309906, print_iou: 0.2768375873565674
5091 Epoch 29/499: 99%|██████████| 159/160 [16:30<00:06, 6.19s/it]print_dice: 0.
5089336037635803, print_iou: 0.3413218855857849
5092 Epoch 29/499: 100%|██████████| 160/160 [16:36<00:00, 6.13s/it]print_dice: 0.
5093129277229309, print_iou: 0.3416632115840912
5093 [159/160] eta: 0:00:06 time: 6.2086 data: 0.0030
5094 Total time: 0:16:37 (6.2372 s / it)
5095 Averaged stats: training_loss: -276.5487 (-276.5487) loss_mask: -276.7918 (-276.7918)
loss_dice: 0.2431 (0.2431)
5096 Epoch 29/499: 100%|██████████| 160/160 [16:37<00:00, 6.24s/it]
5097 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8365803441266
5098 Validating...
5099 Valid_dataloader len: 12
5100 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.8773e-04, 2.
9451e-04, 2.9472e-04, ..., 1.0000e+00, 1.0000e+00,
5101 1.0000e+00], grad_fn=<Unique2Backward0>)
5102 8%|██████████| 1/12 [00:10<01:52, 10.21s/it]print_dice: 0.5670661330223083, print_iou: 0.
39573782682418823
5103 [ 0/12] eta: 0:02:02 time: 10.2087 data: 6.0297
5104 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.8782e-04, 2.
9447e-04, 2.9458e-04, ..., 1.0000e+00, 1.0000e+00,
5105 1.0000e+00], grad_fn=<Unique2Backward0>)
5106 print_dice: 0.6182149052619934, print_iou: 0.44740307331085205
5107 17%|██████████| 2/12 [00:14<01:07, 6.72s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([7.8064e-04, 8.0768e-04, 8.1415e-04, ..., 9.9997e-01, 9.
9997e-01,
5108 9.9997e-01], grad_fn=<Unique2Backward0>)
5109 25%|██████████| 3/12 [00:18<00:49, 5.55s/it]print_dice: 0.5339434742927551, print_iou: 0.
36420390009880066
5110 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.6267e-04, 3.
6305e-04, 3.6979e-04, ..., 1.0000e+00, 1.0000e+00,
5111 1.0000e+00], grad_fn=<Unique2Backward0>)
5112 print_dice: 0.5267153978347778, print_iou: 0.3575109541416168
5113 33%|██████████| 4/12 [00:22<00:39, 4.99s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([5.6586e-04, 5.8267e-04, 5.9199e-04, ..., 9.9999e-01, 9.
9999e-01,
5114 9.9999e-01], grad_fn=<Unique2Backward0>)
5115 42%|██████████| 5/12 [00:26<00:32, 4.67s/it]print_dice: 0.5777928233146667, print_iou: 0.
40626487135887146
5116 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.6239e-04, 1.
6358e-04, 1.6396e-04, ..., 1.0000e+00, 1.0000e+00,
5117 1.0000e+00], grad_fn=<Unique2Backward0>)
5118 50%|██████████| 6/12 [00:30<00:26, 4.47s/it]print_dice: 0.5161148905754089, print_iou: 0.
34781327843666077
5119 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.7966e-04, 9.
0058e-04, 9.4264e-04, ..., 9.9998e-01, 9.9998e-01,
5120 9.9998e-01], grad_fn=<Unique2Backward0>)
5121 58%|██████████| 7/12 [00:35<00:22, 4.41s/it]print_dice: 0.4385831952095032, print_iou: 0.
2808879613876343
5122 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.8784e-04, 2.
9453e-04, 2.9479e-04, ..., 1.0000e+00, 1.0000e+00,
5123 1.0000e+00], grad_fn=<Unique2Backward0>)
5124 67%|██████████| 8/12 [00:39<00:17, 4.33s/it]print_dice: 0.5536577105522156, print_iou: 0.
38279855251312256
5125 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.1754e-04, 7.
5928e-04, 7.6170e-04, ..., 9.9998e-01, 9.9998e-01,
5126 9.9998e-01], grad_fn=<Unique2Backward0>)
5127 75%|██████████| 9/12 [00:43<00:12, 4.26s/it]print_dice: 0.5637241005897522, print_iou: 0.
39249008893966675
5128 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.9626e-04, 8.
1123e-04, 8.2806e-04, ..., 9.9999e-01, 9.9999e-01,
5129 9.9999e-01], grad_fn=<Unique2Backward0>)
5130 83%|██████████| 10/12 [00:47<00:08, 4.21s/it]print_dice: 0.574019193649292, print_iou: 0.
40254342555999756
5131 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.8469e-04, 1.
8589e-04, 1.9078e-04, ..., 1.0000e+00, 1.0000e+00,

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5132      1.0000e+00], grad_fn=<Unique2Backward0>)
5133 92%|██████████| 11/12 [00:51<00:04, 4.16s/it]print_dice: 0.6203679442405701, print_iou: 0
.44966188073158264
5134 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.7409e-04, 2.
8039e-04, 2.8204e-04, ..., 1.0000e+00, 1.0000e+00,
5135      1.0000e+00], grad_fn=<Unique2Backward0>)
5136 100%|██████████| 12/12 [00:55<00:00, 4.12s/it]print_dice: 0.5846337080001831, print_iou: 0
.41306179761886597
5137 [11/12] eta: 0:00:04 time: 4.6409 data: 0.5032
5138 Total time: 0:00:56 (4.6800 s / it)
5139 =====
5140 Averaged stats:
5141 100%|██████████| 12/12 [00:56<00:00, 4.68s/it]
5142 Epoch 30/499: 0%|██████████| 0/160 [00:00<?, ?it/s]epoch: 30 learning rate: 1e-07
5143 Epoch 30/499: 1%|██████████| 1/160 [00:10<28:02, 10.58s/it]print_dice: 0.536325216293335
, print_iou: 0.36642375588417053
5144 [ 0/160] eta: 0:28:13 time: 10.5845 data: 4.2102
5145 print_dice: 0.5282016396522522, print_iou: 0.35888177156448364
5146 Epoch 30/499: 2%|██████████| 3/160 [00:22<18:33, 7.10s/it]print_dice: 0.6144111752510071
, print_iou: 0.4434296786785126
5147 Epoch 30/499: 2%|██████████| 4/160 [00:28<17:30, 6.73s/it]print_dice: 0.4687712490558624
, print_iou: 0.30614057183265686
5148 print_dice: 0.49441471695899963, print_iou: 0.328387051820755
5149 Epoch 30/499: 4%|██████████| 6/160 [00:41<16:25, 6.40s/it]print_dice: 0.5497846007347107
, print_iou: 0.37910547852516174
5150 Epoch 30/499: 4%|██████████| 7/160 [00:47<16:15, 6.38s/it]print_dice: 0.5126345157623291
, print_iou: 0.34465938806533813
5151 Epoch 30/499: 5%|██████████| 8/160 [00:53<15:58, 6.31s/it]print_dice: 0.49470603466033936
, print_iou: 0.32864412665367126
5152 print_dice: 0.4963906407356262, print_iou: 0.33013269305229187
5153 Epoch 30/499: 6%|██████████| 10/160 [01:06<15:35, 6.23s/it]print_dice: 0.5001562833786011
, print_iou: 0.33347228169441223
5154 print_dice: 0.4883343577384949, print_iou: 0.32304391264915466
5155 Epoch 30/499: 8%|██████████| 12/160 [01:18<15:17, 6.20s/it]print_dice: 0.5239343047142029
, print_iou: 0.35495322942733765
5156 Epoch 30/499: 8%|██████████| 13/160 [01:24<15:13, 6.21s/it]print_dice: 0.6225278973579407
, print_iou: 0.4519350528717041
5157 print_dice: 0.5342616438865662, print_iou: 0.3644999861717224
5158 Epoch 30/499: 9%|██████████| 15/160 [01:36<14:53, 6.16s/it]print_dice: 0.5059173107147217
, print_iou: 0.33861398696899414
5159 Epoch 30/499: 10%|██████████| 16/160 [01:43<14:48, 6.17s/it]print_dice: 0.5838882327079773
, print_iou: 0.4123179018497467
5160 Epoch 30/499: 11%|██████████| 17/160 [01:49<14:41, 6.16s/it]print_dice: 0.5163716077804565
, print_iou: 0.3480464518070221
5161 Epoch 30/499: 11%|██████████| 18/160 [01:55<14:32, 6.15s/it]print_dice: 0.4601205885410309
, print_iou: 0.2988030016422272
5162 print_dice: 0.5805314183235168, print_iou: 0.40897801518440247
5163 Epoch 30/499: 12%|██████████| 20/160 [02:07<14:19, 6.14s/it]print_dice: 0.
47267788648605347, print_iou: 0.3094814717769623
5164 print_dice: 0.5171191096305847, print_iou: 0.34872597455978394
5165 Epoch 30/499: 14%|██████████| 22/160 [02:19<14:05, 6.13s/it]print_dice: 0.5302114486694336
, print_iou: 0.36073997616767883
5166 Epoch 30/499: 14%|██████████| 23/160 [02:25<13:57, 6.11s/it]print_dice: 0.6116465330123901
, print_iou: 0.4405553340911865
5167 Epoch 30/499: 15%|██████████| 24/160 [02:32<13:51, 6.11s/it]print_dice: 0.5522253513336182
, print_iou: 0.381430447101593
5168 Epoch 30/499: 16%|██████████| 25/160 [02:38<13:51, 6.16s/it]print_dice: 0.5876544117927551
, print_iou: 0.4160839915275574
5169 Epoch 30/499: 16%|██████████| 26/160 [02:44<13:44, 6.15s/it]print_dice: 0.5838941335678101
, print_iou: 0.41232380270957947
5170 Epoch 30/499: 17%|██████████| 27/160 [02:50<13:38, 6.15s/it]print_dice: 0.5676955580711365
, print_iou: 0.3963511884212494
5171 print_dice: 0.43007907271385193, print_iou: 0.273949533700943
5172 Epoch 30/499: 18%|██████████| 29/160 [03:03<13:30, 6.19s/it]print_dice: 0.5951138734817505
, print_iou: 0.4236029386520386
5173 print_dice: 0.6031252145767212, print_iou: 0.4317675530910492
5174 Epoch 30/499: 19%|██████████| 31/160 [03:15<13:14, 6.16s/it]print_dice: 0.5049216151237488
, print_iou: 0.337722510099411
5175 Epoch 30/499: 20%|██████████| 32/160 [03:21<13:07, 6.15s/it]print_dice: 0.

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5175 48002955317497253, print_iou: 0.3158150613307953
5176 Epoch 30/499: 21%|██████| 33/160 [03:27<13:00, 6.14s/it]print_dice: 0.5503334999084473
, print_iou: 0.37962767481803894
5177 Epoch 30/499: 21%|██████| 34/160 [03:33<12:53, 6.14s/it]print_dice: 0.5408022403717041
, print_iou: 0.3706161081790924
5178 Epoch 30/499: 22%|██████| 35/160 [03:40<12:56, 6.21s/it]print_dice: 0.4796956181526184
, print_iou: 0.3155260384082794
5179 Epoch 30/499: 22%|██████| 36/160 [03:46<12:54, 6.25s/it]print_dice: 0.5534452199935913
, print_iou: 0.3825954496860504
5180 Epoch 30/499: 23%|██████| 37/160 [03:52<12:43, 6.20s/it]print_dice: 0.5908463597297668
, print_iou: 0.4192916452884674
5181 Epoch 30/499: 24%|██████| 38/160 [03:58<12:32, 6.17s/it]print_dice: 0.5380966663360596
, print_iou: 0.3680795431137085
5182 Epoch 30/499: 24%|██████| 39/160 [04:04<12:28, 6.19s/it]print_dice: 0.5641719698905945
, print_iou: 0.3929244875907898
5183 Epoch 30/499: 25%|██████| 40/160 [04:10<12:19, 6.16s/it]print_dice: 0.
48546066880226135, print_iou: 0.32053354382514954
5184 Epoch 30/499: 26%|██████| 41/160 [04:17<12:13, 6.16s/it]print_dice: 0.6033921241760254
, print_iou: 0.432041198015213
5185 print_dice: 0.5475189685821533, print_iou: 0.37695425748825073
5186 Epoch 30/499: 27%|██████| 43/160 [04:29<12:02, 6.17s/it]print_dice: 0.4525764584541321
, print_iou: 0.2924709618091583
5187 Epoch 30/499: 28%|██████| 44/160 [04:35<11:55, 6.17s/it]print_dice: 0.5911573767662048
, print_iou: 0.41960495710372925
5188 Epoch 30/499: 28%|██████| 45/160 [04:41<11:48, 6.16s/it]print_dice: 0.
49152135848999023, print_iou: 0.325839102268219
5189 Epoch 30/499: 29%|██████| 46/160 [04:47<11:44, 6.18s/it]print_dice: 0.5254857540130615
, print_iou: 0.3563788831233978
5190 Epoch 30/499: 29%|██████| 47/160 [04:54<11:37, 6.18s/it]print_dice: 0.5163613557815552
, print_iou: 0.34803712368011475
5191 Epoch 30/499: 30%|██████| 48/160 [05:00<11:33, 6.19s/it]print_dice: 0.5412272810935974
, print_iou: 0.3710154891014099
5192 print_dice: 0.4517671763896942, print_iou: 0.29179537296295166
5193 Epoch 30/499: 31%|██████| 50/160 [05:12<11:24, 6.22s/it]print_dice: 0.4802020192146301
, print_iou: 0.31596437096595764
5194 print_dice: 0.4918271601200104, print_iou: 0.3261079490184784
5195 Epoch 30/499: 32%|██████| 52/160 [05:25<11:11, 6.21s/it]print_dice: 0.5223384499549866
, print_iou: 0.35348987579345703
5196 Epoch 30/499: 33%|██████| 53/160 [05:31<11:03, 6.20s/it]print_dice: 0.5635002851486206
, print_iou: 0.3922731876373291
5197 Epoch 30/499: 34%|██████| 54/160 [05:37<10:57, 6.20s/it]print_dice: 0.5172755718231201
, print_iou: 0.34886831045150757
5198 Epoch 30/499: 34%|██████| 55/160 [05:43<10:51, 6.21s/it]print_dice: 0.
44361069798469543, print_iou: 0.28502553701400757
5199 Epoch 30/499: 35%|██████| 56/160 [05:49<10:42, 6.18s/it]print_dice: 0.5573490262031555
, print_iou: 0.38633671402931213
5200 Epoch 30/499: 36%|██████| 57/160 [05:56<10:36, 6.18s/it]print_dice: 0.553865373134613
, print_iou: 0.3829970955848694
5201 print_dice: 0.5847635865211487, print_iou: 0.41319146752357483
5202 Epoch 30/499: 37%|██████| 59/160 [06:08<10:25, 6.20s/it]print_dice: 0.5754207968711853
, print_iou: 0.4039233326911926
5203 Epoch 30/499: 38%|██████| 60/160 [06:14<10:20, 6.20s/it]print_dice: 0.5012795925140381
, print_iou: 0.334471732378006
5204 Epoch 30/499: 38%|██████| 61/160 [06:21<10:17, 6.24s/it]print_dice: 0.5622684955596924
, print_iou: 0.3910803496837616
5205 Epoch 30/499: 39%|██████| 62/160 [06:27<10:08, 6.21s/it]print_dice: 0.5295745730400085
, print_iou: 0.3601505756378174
5206 print_dice: 0.5420116186141968, print_iou: 0.3717530369758606
5207 Epoch 30/499: 40%|██████| 64/160 [06:39<10:00, 6.26s/it]print_dice: 0.6113160252571106
, print_iou: 0.4402124881744385
5208 Epoch 30/499: 41%|██████| 65/160 [06:45<09:50, 6.22s/it]print_dice: 0.5033173561096191
, print_iou: 0.3362886309623718
5209 print_dice: 0.46123185753822327, print_iou: 0.2997409701347351
5210 Epoch 30/499: 42%|██████| 67/160 [06:58<09:36, 6.20s/it]print_dice: 0.4755137264728546
, print_iou: 0.31191733479499817
5211 print_dice: 0.5976816415786743, print_iou: 0.4262096583843231
5212 Epoch 30/499: 43%|██████| 69/160 [07:10<09:21, 6.17s/it]print_dice: 0.5284366607666016
, print_iou: 0.3590988218784332
5213 Epoch 30/499: 44%|██████| 70/160 [07:16<09:14, 6.16s/it]print_dice: 0.4823630154132843

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5213 , print_iou: 0.317838191986084
5214 Epoch 30/499: 44%|██████| 71/160 [07:22<09:09, 6.17s/it]print_dice: 0.5685297846794128
, print_iou: 0.3971649706363678
5215 print_dice: 0.5960597395896912, print_iou: 0.4245620667934418
5216 Epoch 30/499: 46%|██████| 73/160 [07:35<09:05, 6.27s/it]print_dice: 0.
46739161014556885, print_iou: 0.3049648106098175
5217 Epoch 30/499: 46%|██████| 74/160 [07:41<09:01, 6.29s/it]print_dice: 0.5544795989990234
, print_iou: 0.38358476758003235
5218 print_dice: 0.46482640504837036, print_iou: 0.302784264087677
5219 Epoch 30/499: 48%|██████| 76/160 [07:54<08:44, 6.24s/it]print_dice: 0.6234962940216064
, print_iou: 0.45295652747154236
5220 Epoch 30/499: 48%|██████| 77/160 [08:00<08:37, 6.24s/it]print_dice: 0.5242344737052917
, print_iou: 0.35522884130477905
5221 print_dice: 0.5639291405677795, print_iou: 0.39268893003463745
5222 Epoch 30/499: 49%|██████| 79/160 [08:13<08:25, 6.24s/it]print_dice: 0.5659835934638977
, print_iou: 0.39468416571617126
5223 Epoch 30/499: 50%|██████| 80/160 [08:19<08:18, 6.23s/it]print_dice: 0.5185307264328003
, print_iou: 0.35001111030578613
5224 Epoch 30/499: 51%|██████| 81/160 [08:25<08:10, 6.21s/it]print_dice: 0.5094156265258789
, print_iou: 0.34175562858581543
5225 Epoch 30/499: 51%|██████| 82/160 [08:31<08:05, 6.23s/it]print_dice: 0.5568341016769409
, print_iou: 0.38584208488464355
5226 Epoch 30/499: 52%|██████| 83/160 [08:37<07:57, 6.20s/it]print_dice: 0.5431859493255615
, print_iou: 0.37285879254341125
5227 print_dice: 0.41858676075935364, print_iou: 0.2646915912628174
5228 Epoch 30/499: 53%|██████| 85/160 [08:50<07:42, 6.17s/it]print_dice: 0.5250709056854248
, print_iou: 0.35599738359451294
5229 Epoch 30/499: 54%|██████| 86/160 [08:56<07:38, 6.19s/it]print_dice: 0.6143047213554382
, print_iou: 0.44331875443458557
5230 Epoch 30/499: 54%|██████| 87/160 [09:02<07:34, 6.23s/it]print_dice: 0.4215249717235565
, print_iou: 0.2670457065105438
5231 Epoch 30/499: 55%|██████| 88/160 [09:08<07:24, 6.18s/it]print_dice: 0.561764657497406
, print_iou: 0.3905929625034332
5232 Epoch 30/499: 56%|██████| 89/160 [09:14<07:17, 6.16s/it]print_dice: 0.5468891859054565
, print_iou: 0.3763574957847595
5233 Epoch 30/499: 56%|██████| 90/160 [09:20<07:11, 6.17s/it]print_dice: 0.6432238817214966
, print_iou: 0.4740825593471527
5234 Epoch 30/499: 57%|██████| 91/160 [09:27<07:09, 6.23s/it]print_dice: 0.5493279695510864
, print_iou: 0.3786713778972626
5235 Epoch 30/499: 57%|██████| 92/160 [09:33<07:03, 6.23s/it]print_dice: 0.5412811040878296
, print_iou: 0.3710660934448242
5236 print_dice: 0.5668178200721741, print_iou: 0.3954960107803345
5237 Epoch 30/499: 59%|██████| 94/160 [09:46<06:53, 6.27s/it]print_dice: 0.5680854320526123
, print_iou: 0.39673134684562683
5238 Epoch 30/499: 59%|██████| 95/160 [09:52<06:44, 6.23s/it]print_dice: 0.522594153881073
, print_iou: 0.3537241518497467
5239 Epoch 30/499: 60%|██████| 96/160 [09:58<06:37, 6.21s/it]print_dice: 0.4952094554901123
, print_iou: 0.32908862829208374
5240 Epoch 30/499: 61%|██████| 97/160 [10:04<06:32, 6.23s/it]print_dice: 0.5382064580917358
, print_iou: 0.3681822419166565
5241 Epoch 30/499: 61%|██████| 98/160 [10:11<06:25, 6.23s/it]print_dice: 0.5305796265602112
, print_iou: 0.3610808849334717
5242 print_dice: 0.579616367816925, print_iou: 0.40807026624679565
5243 Epoch 30/499: 62%|██████| 100/160 [10:23<06:11, 6.20s/it]print_dice: 0.
5094186067581177, print_iou: 0.3417583405971527
5244 Epoch 30/499: 63%|██████| 101/160 [10:29<06:07, 6.23s/it]print_dice: 0.
5079901814460754, print_iou: 0.3404737710952759
5245 [100/160] eta: 0:06:14 time: 6.2130 data: 0.0004
5246 Epoch 30/499: 64%|██████| 102/160 [10:35<06:02, 6.26s/it]print_dice: 0.
4334224462509155, print_iou: 0.27666833996772766
5247 print_dice: 0.5060546398162842, print_iou: 0.33873704075813293
5248 Epoch 30/499: 65%|██████| 104/160 [10:48<05:45, 6.18s/it]print_dice: 0.
5826182961463928, print_iou: 0.41105249524116516
5249 Epoch 30/499: 66%|██████| 105/160 [10:54<05:40, 6.19s/it]print_dice: 0.
5646938681602478, print_iou: 0.3934309780597687
5250 Epoch 30/499: 66%|██████| 106/160 [11:00<05:36, 6.23s/it]print_dice: 0.
5491027235984802, print_iou: 0.37845736742019653
5251 print_dice: 0.46448758244514465, print_iou: 0.3024967908859253
5252 Epoch 30/499: 68%|██████| 108/160 [11:13<05:21, 6.18s/it]print_dice: 0.
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5252 5525331497192383, print_iou: 0.38172420859336853
5253 Epoch 30/499: 68%|███████| 109/160 [11:19<05:17, 6.22s/it]print_dice: 0.
5140894651412964, print_iou: 0.3459760546684265
5254 Epoch 30/499: 69%|███████| 110/160 [11:25<05:13, 6.27s/it]print_dice: 0.
5064083933830261, print_iou: 0.3390541076660156
5255 print_dice: 0.5388222932815552, print_iou: 0.3687589168548584
5256 Epoch 30/499: 70%|███████| 112/160 [11:38<04:58, 6.22s/it]print_dice: 0.541170597076416
, print_iou: 0.3709622323513031
5257 print_dice: 0.44383570551872253, print_iou: 0.28521135449409485
5258 Epoch 30/499: 71%|███████| 114/160 [11:50<04:48, 6.27s/it]print_dice: 0.
4992649257183075, print_iou: 0.33268025517463684
5259 print_dice: 0.5422124862670898, print_iou: 0.37194204330444336
5260 Epoch 30/499: 72%|███████| 116/160 [12:03<04:33, 6.22s/it]print_dice: 0.
5098785161972046, print_iou: 0.34217244386672974
5261 Epoch 30/499: 73%|███████| 117/160 [12:09<04:28, 6.24s/it]print_dice: 0.
5643402338027954, print_iou: 0.3930877149105072
5262 Epoch 30/499: 74%|███████| 118/160 [12:15<04:22, 6.24s/it]print_dice: 0.558466911315918
, print_iou: 0.38741177320480347
5263 print_dice: 0.4970416724681854, print_iou: 0.33070889115333557
5264 Epoch 30/499: 75%|███████| 120/160 [12:27<04:08, 6.20s/it]print_dice: 0.
5114164352416992, print_iou: 0.3435590863227844
5265 print_dice: 0.5658052563667297, print_iou: 0.39451074600219727
5266 Epoch 30/499: 76%|███████| 122/160 [12:40<03:55, 6.20s/it]print_dice: 0.561864972114563
, print_iou: 0.3906899690628052
5267 Epoch 30/499: 77%|███████| 123/160 [12:46<03:50, 6.23s/it]print_dice: 0.477540522813797
, print_iou: 0.31366387009620667
5268 Epoch 30/499: 78%|███████| 124/160 [12:52<03:43, 6.20s/it]print_dice: 0.
5361722707748413, print_iou: 0.3662809729576111
5269 Epoch 30/499: 78%|███████| 125/160 [12:58<03:35, 6.17s/it]print_dice: 0.
5404072403907776, print_iou: 0.37024521827697754
5270 Epoch 30/499: 79%|███████| 126/160 [13:05<03:29, 6.16s/it]print_dice: 0.539984941482544
, print_iou: 0.3698488771915436
5271 Epoch 30/499: 79%|███████| 127/160 [13:11<03:22, 6.12s/it]print_dice: 0.579780101776123
, print_iou: 0.4082326292991638
5272 print_dice: 0.5583468675613403, print_iou: 0.38729622960090637
5273 Epoch 30/499: 81%|███████| 129/160 [13:23<03:11, 6.17s/it]print_dice: 0.
5127865672111511, print_iou: 0.34479689598083496
5274 Epoch 30/499: 81%|███████| 130/160 [13:29<03:05, 6.18s/it]print_dice: 0.
5070938467979431, print_iou: 0.33966895937919617
5275 Epoch 30/499: 82%|███████| 131/160 [13:35<03:00, 6.23s/it]print_dice: 0.
5312712788581848, print_iou: 0.36172184348106384
5276 Epoch 30/499: 82%|███████| 132/160 [13:42<02:54, 6.22s/it]print_dice: 0.
5047069191932678, print_iou: 0.3375304043292999
5277 Epoch 30/499: 83%|███████| 133/160 [13:48<02:48, 6.22s/it]print_dice: 0.
4969324469566345, print_iou: 0.3306121826171875
5278 print_dice: 0.5208549499511719, print_iou: 0.3521324396133423
5279 Epoch 30/499: 84%|███████| 135/160 [14:00<02:34, 6.18s/it]print_dice: 0.
5052762031555176, print_iou: 0.3380398452281952
5280 Epoch 30/499: 85%|███████| 136/160 [14:06<02:27, 6.16s/it]print_dice: 0.
46693459153175354, print_iou: 0.3045758008956909
5281 print_dice: 0.4963129162788391, print_iou: 0.33006396889686584
5282 Epoch 30/499: 86%|███████| 138/160 [14:19<02:16, 6.20s/it]print_dice: 0.
4844018220901489, print_iou: 0.31961098313331604
5283 Epoch 30/499: 87%|███████| 139/160 [14:25<02:10, 6.20s/it]print_dice: 0.
5313847064971924, print_iou: 0.3618270456790924
5284 Epoch 30/499: 88%|███████| 140/160 [14:31<02:03, 6.19s/it]print_dice: 0.
5375127196311951, print_iou: 0.36753326654434204
5285 print_dice: 0.5474557280540466, print_iou: 0.37689438462257385
5286 Epoch 30/499: 89%|███████| 142/160 [14:44<01:52, 6.23s/it]print_dice: 0.
5103674530982971, print_iou: 0.34261301159858704
5287 Epoch 30/499: 89%|███████| 143/160 [14:50<01:46, 6.25s/it]print_dice: 0.
4929357171058655, print_iou: 0.32708340883255005
5288 Epoch 30/499: 90%|███████| 144/160 [14:56<01:39, 6.24s/it]print_dice: 0.
5242180228233337, print_iou: 0.3552137017250061
5289 Epoch 30/499: 91%|███████| 145/160 [15:02<01:32, 6.20s/it]print_dice: 0.
48245587944984436, print_iou: 0.3179188370704651
5290 Epoch 30/499: 91%|███████| 146/160 [15:08<01:26, 6.17s/it]print_dice: 0.
4614723026752472, print_iou: 0.29994410276412964
5291 Epoch 30/499: 92%|███████| 147/160 [15:15<01:20, 6.18s/it]print_dice: 0.

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5291 4759395122528076, print_iou: 0.31228387355804443
5292 Epoch 30/499: 92%|██████████| 148/160 [15:21<01:14, 6.18s/it]print_dice: 0.
5091818571090698, print_iou: 0.3415452837944031
5293 Epoch 30/499: 93%|██████████| 149/160 [15:27<01:08, 6.19s/it]print_dice: 0.
5380266904830933, print_iou: 0.36801406741142273
5294 Epoch 30/499: 94%|██████████| 150/160 [15:33<01:02, 6.21s/it]print_dice: 0.
5571282505989075, print_iou: 0.38612455129623413
5295 Epoch 30/499: 94%|██████████| 151/160 [15:39<00:55, 6.22s/it]print_dice: 0.
5327481627464294, print_iou: 0.3630925416946411
5296 Epoch 30/499: 95%|██████████| 152/160 [15:46<00:49, 6.20s/it]print_dice: 0.
5985764265060425, print_iou: 0.42712029814720154
5297 Epoch 30/499: 96%|██████████| 153/160 [15:52<00:43, 6.20s/it]print_dice: 0.
5428927540779114, print_iou: 0.3725825250148773
5298 Epoch 30/499: 96%|██████████| 154/160 [15:58<00:37, 6.20s/it]print_dice: 0.
5220372676849365, print_iou: 0.3532140851020813
5299 Epoch 30/499: 97%|██████████| 155/160 [16:04<00:31, 6.22s/it]print_dice: 0.445485919713974
, print_iou: 0.28657567501068115
5300 Epoch 30/499: 98%|██████████| 156/160 [16:11<00:24, 6.24s/it]print_dice: 0.
5918256640434265, print_iou: 0.42027872800827026
5301 Epoch 30/499: 98%|██████████| 157/160 [16:17<00:18, 6.21s/it]print_dice: 0.
5960791707038879, print_iou: 0.42458173632621765
5302 Epoch 30/499: 99%|██████████| 158/160 [16:23<00:12, 6.18s/it]print_dice: 0.
5198206305503845, print_iou: 0.3511876165866852
5303 Epoch 30/499: 99%|██████████| 159/160 [16:29<00:06, 6.14s/it]print_dice: 0.
4456234574317932, print_iou: 0.28668951988220215
5304 Epoch 30/499: 100%|██████████| 160/160 [16:35<00:00, 6.12s/it]print_dice: 0.
47363173961639404, print_iou: 0.3102997839450836
5305 [159/160] eta: 0:00:06 time: 6.1925 data: 0.0004
5306 Epoch 30/499: 100%|██████████| 160/160 [16:36<00:00, 6.23s/it]
5307 Total time: 0:16:36 (6.2270 s / it)
5308 Averaged stats: training_loss: -78.5496 (-78.5496) loss_mask: -78.7502 (-78.7502)
loss_dice: 0.2005 (0.2005)
5309 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8369363169186
5310 Validating...
5311 Valid_data_loader len: 12
5312 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2317e-04, 2.
2784e-04, 2.3663e-04, ..., 1.0000e+00, 1.0000e+00,
5313 1.0000e+00], grad_fn=<Unique2Backward0>)
5314 8%|██████████| 1/12 [00:08<01:37, 8.84s/it]print_dice: 0.5636677742004395, print_iou: 0.
3924355208873749
5315 [ 0/12] eta: 0:01:46 time: 8.8450 data: 4.7699
5316 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.8065e-04, 2.
9020e-04, 2.9126e-04, ..., 1.0000e+00, 1.0000e+00,
5317 1.0000e+00], grad_fn=<Unique2Backward0>)
5318 17%|██████████| 2/12 [00:13<01:01, 6.18s/it]print_dice: 0.6175559163093567, print_iou: 0.
4467131495475769
5319 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.8060e-04, 2.
9014e-04, 2.9159e-04, ..., 1.0000e+00, 1.0000e+00,
5320 1.0000e+00], grad_fn=<Unique2Backward0>)
5321 print_dice: 0.5410056710243225, print_iou: 0.3708072304725647
5322 25%|██████████| 3/12 [00:17<00:47, 5.24s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([3.5631e-04, 3.6116e-04, 3.6191e-04, ..., 1.0000e+00, 1.
0000e+00,
5323 1.0000e+00], grad_fn=<Unique2Backward0>)
5324 print_dice: 0.5259789228439331, print_iou: 0.35683268308639526
5325 33%|██████████| 4/12 [00:21<00:38, 4.80s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.8069e-04, 2.9019e-04, 2.9164e-04, ..., 1.0000e+00, 1.
0000e+00,
5326 1.0000e+00], grad_fn=<Unique2Backward0>)
5327 print_dice: 0.5846549272537231, print_iou: 0.41308295726776123
5328 42%|██████████| 5/12 [00:25<00:32, 4.58s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([7.3768e-04, 7.5640e-04, 7.7978e-04, ..., 9.9998e-01, 9.
9998e-01,
5329 9.9998e-01], grad_fn=<Unique2Backward0>)
5330 50%|██████████| 6/12 [00:29<00:26, 4.40s/it]print_dice: 0.5084971189498901, print_iou: 0.
3409293293952942
5331 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.8058e-04, 2.
9013e-04, 2.9159e-04, ..., 1.0000e+00, 1.0000e+00,
5332 1.0000e+00], grad_fn=<Unique2Backward0>)

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5333 58%|███████| 7/12 [00:33<00:21, 4.31s/it]print_dice: 0.44791483879089355, print_iou: 0.28858909010887146
5334 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.3202e-04, 1.3260e-04, 1.3320e-04, ..., 1.0000e+00, 1.0000e+00,
5335 1.0000e+00], grad_fn=<Unique2Backward0>)
5336 67%|███████| 8/12 [00:37<00:17, 4.28s/it]print_dice: 0.5541139245033264, print_iou: 0.38323482871055603
5337 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.5268e-04, 6.9323e-04, 7.0738e-04, ..., 9.9998e-01, 9.9998e-01,
5338 9.9998e-01], grad_fn=<Unique2Backward0>)
5339 print_dice: 0.5652948021888733, print_iou: 0.3940145671367645
5340 75%|███████| 9/12 [00:42<00:12, 4.25s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.8059e-04, 2.9013e-04, 2.9156e-04, ..., 1.0000e+00, 1.0000e+00,
5341 1.0000e+00], grad_fn=<Unique2Backward0>)
5342 83%|███████| 10/12 [00:46<00:08, 4.21s/it]print_dice: 0.5846956372261047, print_iou: 0.41312360763549805
5343 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.8125e-04, 1.8346e-04, 1.8606e-04, ..., 1.0000e+00, 1.0000e+00,
5344 1.0000e+00], grad_fn=<Unique2Backward0>)
5345 92%|███████| 11/12 [00:50<00:04, 4.13s/it]print_dice: 0.6198098063468933, print_iou: 0.4490756690502167
5346 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.8061e-04, 2.9014e-04, 2.9153e-04, ..., 1.0000e+00, 1.0000e+00,
5347 1.0000e+00], grad_fn=<Unique2Backward0>)
5348 100%|███████| 12/12 [00:54<00:00, 4.06s/it]print_dice: 0.5911130309104919, print_iou: 0.4195602834224701
5349 [11/12] eta: 0:00:04 time: 4.5129 data: 0.3979
5350 Total time: 0:00:54 (4.5535 s / it)
5351 =====
5352 Averaged stats:
5353 100%|███████| 12/12 [00:54<00:00, 4.55s/it]
5354 Epoch 31/499: 0%| 0/160 [00:00<?, ?it/s]come here save at work_dirs/DrSAM_b
5355 epoch: 31 learning rate: 1e-07
5356 Epoch 31/499: 1%| 1/160 [00:10<28:27, 10.74s/it]print_dice: 0.5695680379867554, print_iou: 0.3981790542602539
5357 [ 0/160] eta: 0:28:37 time: 10.7359 data: 4.2665
5358 print_dice: 0.4873262047767639, print_iou: 0.32216212153434753
5359 Epoch 31/499: 2%| 3/160 [00:22<18:44, 7.16s/it]print_dice: 0.5261464715003967, print_iou: 0.35698696970939636
5360 print_dice: 0.5459791421890259, print_iou: 0.37549611926078796
5361 Epoch 31/499: 3%| 5/160 [00:35<16:55, 6.55s/it]print_dice: 0.5671094059944153, print_iou: 0.39577996730804443
5362 Epoch 31/499: 4%| 6/160 [00:41<16:22, 6.38s/it]print_dice: 0.5195398926734924, print_iou: 0.3509313762187958
5363 Epoch 31/499: 4%| 7/160 [00:47<16:09, 6.33s/it]print_dice: 0.5367101430892944, print_iou: 0.3667832016944885
5364 Epoch 31/499: 5%| 8/160 [00:53<15:56, 6.29s/it]print_dice: 0.5327548384666443, print_iou: 0.363098680973053
5365 Epoch 31/499: 6%| 9/160 [01:00<15:51, 6.30s/it]print_dice: 0.5586437582969666, print_iou: 0.38758203387260437
5366 Epoch 31/499: 6%| 10/160 [01:06<15:36, 6.24s/it]print_dice: 0.6103132963180542, print_iou: 0.43917328119277954
5367 Epoch 31/499: 7%| 11/160 [01:12<15:27, 6.23s/it]print_dice: 0.5058867335319519, print_iou: 0.33858656883239746
5368 Epoch 31/499: 8%| 12/160 [01:18<15:26, 6.26s/it]print_dice: 0.4969468116760254, print_iou: 0.33062490820884705
5369 Epoch 31/499: 8%| 13/160 [01:25<15:19, 6.26s/it]print_dice: 0.5147948861122131, print_iou: 0.3466153144836426
5370 print_dice: 0.6041607856750488, print_iou: 0.4328297972679138
5371 Epoch 31/499: 9%| 15/160 [01:37<15:02, 6.22s/it]print_dice: 0.5160197615623474, print_iou: 0.34772685170173645
5372 Epoch 31/499: 10%| 16/160 [01:43<15:00, 6.25s/it]print_dice: 0.45379576086997986, print_iou: 0.2934902012348175
5373 print_dice: 0.468841016292572, print_iou: 0.3062000870704651
5374 Epoch 31/499: 11%| 18/160 [01:56<14:40, 6.20s/it]print_dice: 0.5042108297348022, print_iou: 0.33708682656288147
5375 Epoch 31/499: 12%| 19/160 [02:02<14:36, 6.22s/it]print_dice: 0.5401805639266968, print_iou: 0.3700324296951294

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5376 Epoch 31/499: 12%|███| 20/160 [02:08<14:29, 6.21s/it]print_dice: 0.5269976258277893
, print_iou: 0.357771098613739
5377 Epoch 31/499: 13%|███| 21/160 [02:14<14:20, 6.19s/it]print_dice: 0.5386547446250916
, print_iou: 0.3686019778251648
5378 Epoch 31/499: 14%|███| 22/160 [02:20<14:16, 6.21s/it]print_dice: 0.5350174903869629
, print_iou: 0.3652040362358093
5379 Epoch 31/499: 14%|███| 23/160 [02:27<14:12, 6.22s/it]print_dice: 0.5081844329833984
, print_iou: 0.34064826369285583
5380 Epoch 31/499: 15%|███| 24/160 [02:33<14:04, 6.21s/it]print_dice: 0.5450863838195801
, print_iou: 0.37465208768844604
5381 Epoch 31/499: 16%|███| 25/160 [02:39<13:53, 6.17s/it]print_dice: 0.5541987419128418
, print_iou: 0.3833160102367401
5382 Epoch 31/499: 16%|███| 26/160 [02:45<13:44, 6.15s/it]print_dice: 0.
48715585470199585, print_iou: 0.322013258934021
5383 Epoch 31/499: 17%|███| 27/160 [02:51<13:40, 6.17s/it]print_dice: 0.
47944843769073486, print_iou: 0.3153121769428253
5384 print_dice: 0.43219292163848877, print_iou: 0.2756671607494354
5385 Epoch 31/499: 18%|███| 29/160 [03:04<13:32, 6.20s/it]print_dice: 0.4921640157699585
, print_iou: 0.3264042139053345
5386 Epoch 31/499: 19%|███| 30/160 [03:10<13:25, 6.19s/it]print_dice: 0.570594072341919
, print_iou: 0.39918267726898193
5387 Epoch 31/499: 19%|███| 31/160 [03:16<13:16, 6.18s/it]print_dice: 0.5095749497413635
, print_iou: 0.3418990671634674
5388 print_dice: 0.5544190406799316, print_iou: 0.3835268020629883
5389 Epoch 31/499: 21%|███| 33/160 [03:28<13:03, 6.17s/it]print_dice: 0.5650240778923035
, print_iou: 0.3937515914440155
5390 Epoch 31/499: 21%|███| 34/160 [03:34<12:55, 6.16s/it]print_dice: 0.4657480716705322
, print_iou: 0.3035668730735779
5391 Epoch 31/499: 22%|███| 35/160 [03:41<12:51, 6.17s/it]print_dice: 0.506969153881073
, print_iou: 0.33955705165863037
5392 Epoch 31/499: 22%|███| 36/160 [03:47<12:46, 6.18s/it]print_dice: 0.
44517767429351807, print_iou: 0.28632059693336487
5393 print_dice: 0.5160574316978455, print_iou: 0.3477610647678375
5394 Epoch 31/499: 24%|███| 38/160 [03:59<12:32, 6.17s/it]print_dice: 0.
49037542939186096, print_iou: 0.3248327076435089
5395 print_dice: 0.5691971778869629, print_iou: 0.39781662821769714
5396 Epoch 31/499: 25%|███| 40/160 [04:12<12:22, 6.19s/it]print_dice: 0.550686240196228
, print_iou: 0.3799634575843811
5397 Epoch 31/499: 26%|███| 41/160 [04:18<12:15, 6.18s/it]print_dice: 0.627178430557251
, print_iou: 0.45685356855392456
5398 print_dice: 0.5991153717041016, print_iou: 0.42766931653022766
5399 Epoch 31/499: 27%|███| 43/160 [04:30<12:03, 6.19s/it]print_dice: 0.4222302734851837
, print_iou: 0.267612099647522
5400 Epoch 31/499: 28%|███| 44/160 [04:36<11:57, 6.19s/it]print_dice: 0.5433902740478516
, print_iou: 0.37305140495300293
5401 Epoch 31/499: 28%|███| 45/160 [04:42<11:51, 6.19s/it]print_dice: 0.4443689286708832
, print_iou: 0.28565189242362976
5402 Epoch 31/499: 29%|███| 46/160 [04:49<11:46, 6.20s/it]print_dice: 0.5623244643211365
, print_iou: 0.39113447070121765
5403 Epoch 31/499: 29%|███| 47/160 [04:55<11:45, 6.25s/it]print_dice: 0.4332178831100464
, print_iou: 0.27650168538093567
5404 print_dice: 0.5343562960624695, print_iou: 0.3645881116390228
5405 Epoch 31/499: 31%|███| 49/160 [05:08<11:32, 6.24s/it]print_dice: 0.5462591052055359
, print_iou: 0.3757610023021698
5406 Epoch 31/499: 31%|███| 50/160 [05:14<11:25, 6.23s/it]print_dice: 0.4418003261089325
, print_iou: 0.2835325598716736
5407 print_dice: 0.5610461831092834, print_iou: 0.3898986876010895
5408 Epoch 31/499: 32%|███| 52/160 [05:26<11:09, 6.20s/it]print_dice: 0.5984251499176025
, print_iou: 0.42696624994277954
5409 Epoch 31/499: 33%|███| 53/160 [05:32<11:00, 6.18s/it]print_dice: 0.5031874179840088
, print_iou: 0.3361726403236389
5410 Epoch 31/499: 34%|███| 54/160 [05:38<10:51, 6.15s/it]print_dice: 0.5620334148406982
, print_iou: 0.3908528983592987
5411 Epoch 31/499: 34%|███| 55/160 [05:45<10:49, 6.18s/it]print_dice: 0.6193066239356995
, print_iou: 0.4485475420951843
5412 Epoch 31/499: 35%|███| 56/160 [05:51<10:40, 6.16s/it]print_dice: 0.511692464351654
, print_iou: 0.34380826354026794
5413 print_dice: 0.4167868196964264, print_iou: 0.26325374841690063
5414 Epoch 31/499: 36%|███| 58/160 [06:03<10:27, 6.15s/it]print_dice: 0.

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5414 46811938285827637, print_iou: 0.30558475852012634
5415 print_dice: 0.5144882798194885, print_iou: 0.34633737802505493
5416 Epoch 31/499: 38%|██████| 60/160 [06:15<10:14, 6.15s/it]print_dice: 0.5323769450187683
, print_iou: 0.3627477288246155
5417 Epoch 31/499: 38%|██████| 61/160 [06:21<10:10, 6.16s/it]print_dice: 0.5276240706443787
, print_iou: 0.3583487570285797
5418 Epoch 31/499: 39%|██████| 62/160 [06:28<10:02, 6.15s/it]print_dice: 0.5494555830955505
, print_iou: 0.3787926733493805
5419 print_dice: 0.47473543882369995, print_iou: 0.31124794483184814
5420 Epoch 31/499: 40%|██████| 64/160 [06:40<09:50, 6.15s/it]print_dice: 0.603239119052887
, print_iou: 0.4318843185901642
5421 Epoch 31/499: 41%|██████| 65/160 [06:46<09:47, 6.19s/it]print_dice: 0.5581201910972595
, print_iou: 0.3870781660079956
5422 Epoch 31/499: 41%|██████| 66/160 [06:52<09:39, 6.17s/it]print_dice: 0.5497229099273682
, print_iou: 0.37904679775238037
5423 Epoch 31/499: 42%|██████| 67/160 [06:58<09:33, 6.17s/it]print_dice: 0.5279231667518616
, print_iou: 0.35862475633621216
5424 print_dice: 0.5404703617095947, print_iou: 0.37030449509620667
5425 Epoch 31/499: 43%|██████| 69/160 [07:11<09:22, 6.18s/it]print_dice: 0.4929216802120209
, print_iou: 0.32707104086875916
5426 Epoch 31/499: 44%|██████| 70/160 [07:17<09:13, 6.15s/it]print_dice: 0.5676062107086182
, print_iou: 0.39626407623291016
5427 Epoch 31/499: 44%|██████| 71/160 [07:23<09:07, 6.16s/it]print_dice: 0.
49531060457229614, print_iou: 0.32917797565460205
5428 print_dice: 0.5946974754333496, print_iou: 0.4231811463832855
5429 Epoch 31/499: 46%|██████| 73/160 [07:35<08:53, 6.14s/it]print_dice: 0.556230366230011
, print_iou: 0.38526251912117004
5430 Epoch 31/499: 46%|██████| 74/160 [07:41<08:48, 6.14s/it]print_dice: 0.
47482115030288696, print_iou: 0.3113216161727905
5431 Epoch 31/499: 47%|██████| 75/160 [07:48<08:44, 6.17s/it]print_dice: 0.5663281083106995
, print_iou: 0.3950193226337433
5432 Epoch 31/499: 48%|██████| 76/160 [07:54<08:41, 6.20s/it]print_dice: 0.5407692193984985
, print_iou: 0.3705851435661316
5433 Epoch 31/499: 48%|██████| 77/160 [08:00<08:32, 6.17s/it]print_dice: 0.5226970314979553
, print_iou: 0.35381847620010376
5434 Epoch 31/499: 49%|██████| 78/160 [08:06<08:25, 6.16s/it]print_dice: 0.5838190913200378
, print_iou: 0.41224896907806396
5435 print_dice: 0.48466646671295166, print_iou: 0.3198414444923401
5436 Epoch 31/499: 50%|██████| 80/160 [08:19<08:13, 6.17s/it]print_dice: 0.
48100677132606506, print_iou: 0.3166615664958954
5437 print_dice: 0.5075777173042297, print_iou: 0.34010326862335205
5438 Epoch 31/499: 51%|██████| 82/160 [08:31<08:03, 6.19s/it]print_dice: 0.
49821338057518005, print_iou: 0.3317471146583557
5439 Epoch 31/499: 52%|██████| 83/160 [08:37<07:55, 6.18s/it]print_dice: 0.6155763268470764
, print_iou: 0.4446444511413574
5440 Epoch 31/499: 52%|██████| 84/160 [08:43<07:47, 6.15s/it]print_dice: 0.5446691513061523
, print_iou: 0.3742579221725464
5441 Epoch 31/499: 53%|██████| 85/160 [08:49<07:44, 6.19s/it]print_dice: 0.584306001663208
, print_iou: 0.41273465752601624
5442 print_dice: 0.502364456653595, print_iou: 0.33543840050697327
5443 Epoch 31/499: 54%|██████| 87/160 [09:02<07:33, 6.21s/it]print_dice: 0.5405683517456055
, print_iou: 0.3703964650630951
5444 Epoch 31/499: 55%|██████| 88/160 [09:08<07:28, 6.22s/it]print_dice: 0.5021252036094666
, print_iou: 0.33522507548332214
5445 Epoch 31/499: 56%|██████| 89/160 [09:14<07:21, 6.22s/it]print_dice: 0.5840352177619934
, print_iou: 0.4124644994735718
5446 Epoch 31/499: 56%|██████| 90/160 [09:20<07:13, 6.19s/it]print_dice: 0.5867546200752258
, print_iou: 0.4151824414730072
5447 Epoch 31/499: 57%|██████| 91/160 [09:27<07:07, 6.19s/it]print_dice: 0.4770745038986206
, print_iou: 0.31326186656951904
5448 Epoch 31/499: 57%|██████| 92/160 [09:33<07:03, 6.23s/it]print_dice: 0.6014044284820557
, print_iou: 0.4300059974193573
5449 Epoch 31/499: 58%|██████| 93/160 [09:39<06:57, 6.23s/it]print_dice: 0.5216116905212402
, print_iou: 0.35282453894615173
5450 Epoch 31/499: 59%|██████| 94/160 [09:45<06:51, 6.23s/it]print_dice: 0.5957746505737305
, print_iou: 0.4242728352546692
5451 Epoch 31/499: 59%|██████| 95/160 [09:52<06:50, 6.31s/it]print_dice: 0.5666717290878296
, print_iou: 0.395353764295578
5452 Epoch 31/499: 60%|██████| 96/160 [09:58<06:44, 6.32s/it]print_dice: 0.5663954615592957

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5452 , print_iou: 0.39508485794067383
5453 Epoch 31/499: 61%|███████| 97/160 [10:05<06:39, 6.35s/it]print_dice: 0.563630223274231
, print_iou: 0.3923990726470947
5454 Epoch 31/499: 61%|███████| 98/160 [10:11<06:34, 6.36s/it]print_dice: 0.5101494789123535
, print_iou: 0.34241652488708496
5455 print_dice: 0.5152896046638489, print_iou: 0.3470640778541565
5456 Epoch 31/499: 62%|███████| 100/160 [10:24<06:20, 6.33s/it]print_dice: 0.
5443949699401855, print_iou: 0.37399911880493164
5457 Epoch 31/499: 63%|███████| 101/160 [10:30<06:10, 6.29s/it]print_dice: 0.
5326279401779175, print_iou: 0.36298084259033203
5458 [100/160] eta: 0:06:14 time: 6.2657 data: 0.0006
5459 print_dice: 0.6469441652297974, print_iou: 0.4781356155872345
5460 Epoch 31/499: 64%|███████| 103/160 [10:42<05:55, 6.23s/it]print_dice: 0.
4773474335670471, print_iou: 0.31349727511405945
5461 Epoch 31/499: 65%|███████| 104/160 [10:48<05:48, 6.22s/it]print_dice: 0.
5507054328918457, print_iou: 0.3799816966056824
5462 Epoch 31/499: 66%|███████| 105/160 [10:55<05:41, 6.20s/it]print_dice: 0.
5802221894264221, print_iou: 0.408671110868454
5463 Epoch 31/499: 66%|███████| 106/160 [11:01<05:34, 6.20s/it]print_dice: 0.
5115901827812195, print_iou: 0.34371593594551086
5464 print_dice: 0.5586267709732056, print_iou: 0.3875656723976135
5465 Epoch 31/499: 68%|███████| 108/160 [11:13<05:21, 6.18s/it]print_dice: 0.550291895866394
, print_iou: 0.3795880675315857
5466 Epoch 31/499: 68%|███████| 109/160 [11:19<05:15, 6.19s/it]print_dice: 0.
6162448525428772, print_iou: 0.44534242153167725
5467 Epoch 31/499: 69%|███████| 110/160 [11:26<05:09, 6.20s/it]print_dice: 0.
5875179171562195, print_iou: 0.41594716906547546
5468 Epoch 31/499: 69%|███████| 111/160 [11:32<05:07, 6.27s/it]print_dice: 0.
5132518410682678, print_iou: 0.3452177345752716
5469 Epoch 31/499: 70%|███████| 112/160 [11:38<04:58, 6.23s/it]print_dice: 0.
5175614356994629, print_iou: 0.3491284251213074
5470 Epoch 31/499: 71%|███████| 113/160 [11:44<04:52, 6.23s/it]print_dice: 0.
5355486273765564, print_iou: 0.3656991720199585
5471 Epoch 31/499: 71%|███████| 114/160 [11:51<04:46, 6.24s/it]print_dice: 0.
4986152946949005, print_iou: 0.3321036100387573
5472 Epoch 31/499: 72%|███████| 115/160 [11:57<04:39, 6.22s/it]print_dice: 0.
5644901990890503, print_iou: 0.3932332396507263
5473 print_dice: 0.5131916999816895, print_iou: 0.34516334533691406
5474 Epoch 31/499: 73%|███████| 117/160 [12:09<04:25, 6.18s/it]print_dice: 0.
5304692387580872, print_iou: 0.3609786629676819
5475 print_dice: 0.5272177457809448, print_iou: 0.35797402262687683
5476 Epoch 31/499: 74%|███████| 119/160 [12:22<04:16, 6.25s/it]print_dice: 0.
4698580205440521, print_iou: 0.30706825852394104
5477 Epoch 31/499: 75%|███████| 120/160 [12:28<04:10, 6.26s/it]print_dice: 0.
5877601504325867, print_iou: 0.4161900281906128
5478 Epoch 31/499: 76%|███████| 121/160 [12:34<04:02, 6.22s/it]print_dice: 0.
5951483249664307, print_iou: 0.4236378073692322
5479 Epoch 31/499: 76%|███████| 122/160 [12:40<03:55, 6.19s/it]print_dice: 0.
5417729616165161, print_iou: 0.3715285658836365
5480 Epoch 31/499: 77%|███████| 123/160 [12:46<03:48, 6.17s/it]print_dice: 0.
6094087362289429, print_iou: 0.43823716044425964
5481 Epoch 31/499: 78%|███████| 124/160 [12:53<03:43, 6.20s/it]print_dice: 0.
5823981761932373, print_iou: 0.4108333885669708
5482 print_dice: 0.590857744216919, print_iou: 0.41930311918258667
5483 Epoch 31/499: 79%|███████| 126/160 [13:05<03:30, 6.19s/it]print_dice: 0.
5057937502861023, print_iou: 0.33850330114364624
5484 Epoch 31/499: 79%|███████| 127/160 [13:11<03:24, 6.19s/it]print_dice: 0.
4782225787639618, print_iou: 0.314252644777298
5485 Epoch 31/499: 80%|███████| 128/160 [13:17<03:17, 6.17s/it]print_dice: 0.
5631852746009827, print_iou: 0.39196789264678955
5486 Epoch 31/499: 81%|███████| 129/160 [13:24<03:14, 6.26s/it]print_dice: 0.
5436989665031433, print_iou: 0.3733424246311188
5487 Epoch 31/499: 81%|███████| 130/160 [13:30<03:07, 6.26s/it]print_dice: 0.
5502386689186096, print_iou: 0.3795374035835266
5488 Epoch 31/499: 82%|███████| 131/160 [13:36<03:00, 6.23s/it]print_dice: 0.
5184188485145569, print_iou: 0.3499091863632202
5489 Epoch 31/499: 82%|███████| 132/160 [13:42<02:53, 6.19s/it]print_dice: 0.
5100841522216797, print_iou: 0.34235772490501404
5490 Epoch 31/499: 83%|███████| 133/160 [13:49<02:48, 6.23s/it]print_dice: 0.517431378364563
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5490 , print_iou: 0.34901008009910583
5491 Epoch 31/499: 84%|██████████| 134/160 [13:55<02:41, 6.22s/it]print_dice: 0.
5774555206298828, print_iou: 0.4059314429759979
5492 Epoch 31/499: 84%|██████████| 135/160 [14:01<02:35, 6.21s/it]print_dice: 0.55094975233078
, print_iou: 0.3802143633365631
5493 Epoch 31/499: 85%|██████████| 136/160 [14:07<02:29, 6.22s/it]print_dice: 0.
5048688650131226, print_iou: 0.3376753032207489
5494 Epoch 31/499: 86%|██████████| 137/160 [14:14<02:24, 6.26s/it]print_dice: 0.
49781614542007446, print_iou: 0.3313949406147003
5495 Epoch 31/499: 86%|██████████| 138/160 [14:20<02:17, 6.24s/it]print_dice: 0.
4567154049873352, print_iou: 0.29593726992607117
5496 print_dice: 0.5897517204284668, print_iou: 0.41819000244140625
5497 Epoch 31/499: 88%|██████████| 140/160 [14:32<02:03, 6.20s/it]print_dice: 0.561393141746521
, print_iou: 0.3902339041233063
5498 print_dice: 0.5247925519943237, print_iou: 0.3557415008544922
5499 Epoch 31/499: 89%|██████████| 142/160 [14:45<01:52, 6.26s/it]print_dice: 0.
5185967683792114, print_iou: 0.3500713109970093
5500 Epoch 31/499: 89%|██████████| 143/160 [14:51<01:46, 6.24s/it]print_dice: 0.
5123392939567566, print_iou: 0.3443925976753235
5501 Epoch 31/499: 90%|██████████| 144/160 [14:57<01:39, 6.19s/it]print_dice: 0.
5412080883979797, print_iou: 0.37099745869636536
5502 print_dice: 0.5384528636932373, print_iou: 0.36841294169425964
5503 Epoch 31/499: 91%|██████████| 146/160 [15:10<01:27, 6.23s/it]print_dice: 0.
5068760514259338, print_iou: 0.33947354555130005
5504 Epoch 31/499: 92%|██████████| 147/160 [15:16<01:20, 6.21s/it]print_dice: 0.
48827284574508667, print_iou: 0.3229900598526001
5505 print_dice: 0.5189393758773804, print_iou: 0.3503836393356323
5506 Epoch 31/499: 93%|██████████| 149/160 [15:28<01:08, 6.21s/it]print_dice: 0.465227335691452
, print_iou: 0.3031245768070221
5507 Epoch 31/499: 94%|██████████| 150/160 [15:34<01:01, 6.19s/it]print_dice: 0.535938560962677
, print_iou: 0.3660629093647003
5508 Epoch 31/499: 94%|██████████| 151/160 [15:40<00:55, 6.16s/it]print_dice: 0.
47116002440452576, print_iou: 0.30818137526512146
5509 Epoch 31/499: 95%|██████████| 152/160 [15:47<00:49, 6.19s/it]print_dice: 0.
4856594204902649, print_iou: 0.32070687413215637
5510 Epoch 31/499: 96%|██████████| 153/160 [15:53<00:43, 6.26s/it]print_dice: 0.
4775698781013489, print_iou: 0.3136892020702362
5511 Epoch 31/499: 96%|██████████| 154/160 [15:59<00:37, 6.26s/it]print_dice: 0.562526285648346
, print_iou: 0.3913297951221466
5512 print_dice: 0.4395579397678375, print_iou: 0.2816880941390991
5513 Epoch 31/499: 98%|██████████| 156/160 [16:12<00:24, 6.25s/it]print_dice: 0.
5485377907752991, print_iou: 0.37792083621025085
5514 Epoch 31/499: 98%|██████████| 157/160 [16:18<00:18, 6.20s/it]print_dice: 0.
5312423706054688, print_iou: 0.3616950511932373
5515 Epoch 31/499: 99%|██████████| 158/160 [16:24<00:12, 6.19s/it]print_dice: 0.535002589225769
, print_iou: 0.3651901185512543
5516 Epoch 31/499: 99%|██████████| 159/160 [16:30<00:06, 6.22s/it]print_dice: 0.
45925867557525635, print_iou: 0.29807642102241516
5517 Epoch 31/499: 100%|██████████| 160/160 [16:36<00:00, 6.16s/it]print_dice: 0.448281854391098
, print_iou: 0.28889384865760803
5518 [159/160] eta: 0:00:06 time: 6.2101 data: 0.0030
5519 Epoch 31/499: 100%|██████████| 160/160 [16:37<00:00, 6.24s/it]
5520 Total time: 0:16:37 (6.2357 s / it)
5521 Averaged stats: training_loss: -135.4136 (-135.4136) loss_mask: -135.7213 (-135.7213)
loss_dice: 0.3077 (0.3077)
5522 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8373103510821
5523 Validating...
5524 Valid_dataloader len: 12
5525 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.3191e-04, 7.
6818e-04, 8.0436e-04, ..., 9.9999e-01, 9.9999e-01,
5526 9.9999e-01], grad_fn=<Unique2Backward0>)
5527 print_dice: 0.5569620728492737, print_iou: 0.3859649896621704
5528 [ 0/12] eta: 0:01:47 time: 8.9174 data: 4.8206
5529 8%|██████████| 1/12 [00:08<01:38, 8.92s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.4295e-04, 2.4726e-04, 2.4742e-04, ..., 1.0000e+00, 1.
0000e+00,
5530 1.0000e+00], grad_fn=<Unique2Backward0>)
5531 print_dice: 0.610072910785675, print_iou: 0.4389244019985199
5532 17%|██████████| 2/12 [00:13<01:01, 6.17s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32

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5532 ]) unique sigmoid values: tensor([2.4582e-04, 2.5604e-04, 2.5981e-04, ..., 1.0000e+00, 1.
      0000e+00,
5533      1.0000e+00], grad_fn=<Unique2Backward0>)
5534 25%|███████| 3/12 [00:17<00:47, 5.25s/it]print_dice: 0.5310041308403015, print_iou: 0.
      36147424578666687
5535 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.3899e-04, 8.
      5643e-04, 8.7589e-04, ..., 9.9997e-01, 9.9998e-01,
5536      9.9998e-01], grad_fn=<Unique2Backward0>)
5537 print_dice: 0.5243768095970154, print_iou: 0.3553595542907715
5538 33%|███████| 4/12 [00:21<00:38, 4.79s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([2.7322e-04, 2.7948e-04, 2.8103e-04, ..., 1.0000e+00, 1.
      0000e+00,
5539      1.0000e+00], grad_fn=<Unique2Backward0>)
5540 42%|███████| 5/12 [00:25<00:31, 4.56s/it]print_dice: 0.5801799297332764, print_iou: 0.
      4086291790008545
5541 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.7318e-04, 2.
      7948e-04, 2.8107e-04, ..., 1.0000e+00, 1.0000e+00,
5542      1.0000e+00], grad_fn=<Unique2Backward0>)
5543 50%|███████| 6/12 [00:29<00:26, 4.42s/it]print_dice: 0.5096270442008972, print_iou: 0.
      341946005821228
5544 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.7310e-04, 2.
      7943e-04, 2.8099e-04, ..., 1.0000e+00, 1.0000e+00,
5545      1.0000e+00], grad_fn=<Unique2Backward0>)
5546 58%|███████| 7/12 [00:33<00:21, 4.38s/it]print_dice: 0.44609981775283813, print_iou: 0
      .2870839536190033
5547 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.4864e-04, 5.
      7184e-04, 5.8332e-04, ..., 9.9997e-01, 9.9997e-01,
5548      9.9997e-01], grad_fn=<Unique2Backward0>)
5549 67%|███████| 8/12 [00:38<00:17, 4.29s/it]print_dice: 0.5510824918746948, print_iou: 0.
      3803408145904541
5550 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.2950e-04, 6.
      7501e-04, 6.8155e-04, ..., 9.9998e-01, 9.9998e-01,
5551      9.9998e-01], grad_fn=<Unique2Backward0>)
5552 75%|███████| 9/12 [00:42<00:12, 4.28s/it]print_dice: 0.5638201236724854, print_iou: 0.
      3925832211971283
5553 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.7305e-04, 2.
      7933e-04, 2.8093e-04, ..., 1.0000e+00, 1.0000e+00,
5554      1.0000e+00], grad_fn=<Unique2Backward0>)
5555 83%|███████| 10/12 [00:46<00:08, 4.23s/it]print_dice: 0.5782890915870667, print_iou: 0
      .4067557454109192
5556 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.8288e-04, 1.
      8372e-04, 1.8519e-04, ..., 1.0000e+00, 1.0000e+00,
5557      1.0000e+00], grad_fn=<Unique2Backward0>)
5558 92%|███████| 11/12 [00:50<00:04, 4.16s/it]print_dice: 0.6156508326530457, print_iou: 0
      .4447222352027893
5559 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.7317e-04, 2.
      7937e-04, 2.8100e-04, ..., 1.0000e+00, 1.0000e+00,
5560      1.0000e+00], grad_fn=<Unique2Backward0>)
5561 100%|███████| 12/12 [00:54<00:00, 4.11s/it]print_dice: 0.5857672691345215, print_iou: 0
      .41419440507888794
5562 [11/12] eta: 0:00:04 time: 4.5385 data: 0.4022
5563 Total time: 0:00:54 (4.5800 s / it)
5564 =====
5565 Averaged stats:
5566 100%|███████| 12/12 [00:54<00:00, 4.58s/it]
5567 Epoch 32/499: 0%| | 0/160 [00:00<?, ?it/s]epoch: 32 learning rate: 1e-07
5568 Epoch 32/499: 1%| | 1/160 [00:10<28:22, 10.71s/it]print_dice: 0.534866988658905
      , print_iou: 0.36506378650665283
5569 [ 0/160] eta: 0:28:33 time: 10.7096 data: 4.2105
5570 Epoch 32/499: 1%| | 2/160 [00:16<21:15, 8.08s/it]print_dice: 0.4610925614833832
      , print_iou: 0.2996233105659485
5571 Epoch 32/499: 2%| | 3/160 [00:23<19:00, 7.26s/it]print_dice: 0.5219525694847107
      , print_iou: 0.3531365692615509
5572 print_dice: 0.6050646305084229, print_iou: 0.4337581694126129
5573 Epoch 32/499: 3%| | 5/160 [00:35<16:57, 6.56s/it]print_dice: 0.5477237105369568
      , print_iou: 0.37714841961860657
5574 print_dice: 0.5142964124679565, print_iou: 0.3461635112762451
5575 Epoch 32/499: 4%| | 7/160 [00:47<16:13, 6.36s/it]print_dice: 0.5805264711380005
      , print_iou: 0.4089730679988861

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5576 Epoch 32/499: 5%|█          | 8/160 [00:54<16:00, 6.32s/it]print_dice: 0.6047261357307434
, print_iou: 0.4334103763103485
5577 Epoch 32/499: 6%|█          | 9/160 [01:00<15:47, 6.27s/it]print_dice: 0.5911412835121155
, print_iou: 0.41958877444267273
5578 Epoch 32/499: 6%|█          | 10/160 [01:06<15:35, 6.24s/it]print_dice: 0.497072696685791
, print_iou: 0.33073633909225464
5579 Epoch 32/499: 7%|█          | 11/160 [01:12<15:32, 6.26s/it]print_dice: 0.5605965852737427
, print_iou: 0.38946452736854553
5580 Epoch 32/499: 8%|█          | 12/160 [01:18<15:19, 6.22s/it]print_dice: 0.6097510457038879
, print_iou: 0.43859127163887024
5581 Epoch 32/499: 8%|█          | 13/160 [01:25<15:13, 6.21s/it]print_dice: 0.
49052560329437256, print_iou: 0.3249644935131073
5582 Epoch 32/499: 9%|█          | 14/160 [01:31<15:03, 6.19s/it]print_dice: 0.5957761406898499
, print_iou: 0.4242742955684662
5583 Epoch 32/499: 9%|█          | 15/160 [01:37<15:06, 6.25s/it]print_dice: 0.4726402759552002
, print_iou: 0.3094492256641388
5584 Epoch 32/499: 10%|█         | 16/160 [01:43<14:54, 6.21s/it]print_dice: 0.5472449660301208
, print_iou: 0.37669461965560913
5585 print_dice: 0.4924013018608093, print_iou: 0.3266129791736603
5586 Epoch 32/499: 11%|█         | 18/160 [01:55<14:34, 6.16s/it]print_dice: 0.5400183200836182
, print_iou: 0.36988022923469543
5587 Epoch 32/499: 12%|█         | 19/160 [02:02<14:28, 6.16s/it]print_dice: 0.4977801442146301
, print_iou: 0.3313630521297455
5588 print_dice: 0.5357776284217834, print_iou: 0.3659127354621887
5589 Epoch 32/499: 13%|█         | 21/160 [02:14<14:11, 6.13s/it]print_dice: 0.4704238176345825
, print_iou: 0.3075517416000366
5590 print_dice: 0.558379590511322, print_iou: 0.38732773065567017
5591 Epoch 32/499: 14%|█         | 23/160 [02:26<14:02, 6.15s/it]print_dice: 0.5852978229522705
, print_iou: 0.4137251079082489
5592 print_dice: 0.5010879039764404, print_iou: 0.33430105447769165
5593 Epoch 32/499: 16%|█         | 25/160 [02:39<14:07, 6.28s/it]print_dice: 0.5355757474899292
, print_iou: 0.36572444438934326
5594 Epoch 32/499: 16%|█         | 26/160 [02:45<13:55, 6.23s/it]print_dice: 0.5755879878997803
, print_iou: 0.4040881395339966
5595 print_dice: 0.5300525426864624, print_iou: 0.36059287190437317
5596 Epoch 32/499: 18%|█         | 28/160 [02:57<13:38, 6.20s/it]print_dice: 0.5213592648506165
, print_iou: 0.3525936007499695
5597 print_dice: 0.5248779654502869, print_iou: 0.35582002997398376
5598 Epoch 32/499: 19%|█         | 30/160 [03:10<13:20, 6.16s/it]print_dice: 0.5060009360313416
, print_iou: 0.3386889398097992
5599 print_dice: 0.5256637334823608, print_iou: 0.3565426170825958
5600 Epoch 32/499: 20%|█         | 32/160 [03:22<13:10, 6.17s/it]print_dice: 0.5177643895149231
, print_iou: 0.3493131399154663
5601 print_dice: 0.5026199817657471, print_iou: 0.3356662690639496
5602 Epoch 32/499: 21%|█         | 34/160 [03:34<12:54, 6.14s/it]print_dice: 0.5370492935180664
, print_iou: 0.3671000301837921
5603 Epoch 32/499: 22%|█         | 35/160 [03:41<12:55, 6.20s/it]print_dice: 0.471386194229126
, print_iou: 0.30837494134902954
5604 Epoch 32/499: 22%|█         | 36/160 [03:47<12:51, 6.22s/it]print_dice: 0.5927829742431641
, print_iou: 0.42124491930007935
5605 print_dice: 0.5599998831748962, print_iou: 0.38888874650001526
5606 Epoch 32/499: 24%|█         | 38/160 [03:59<12:33, 6.17s/it]print_dice: 0.5348027348518372
, print_iou: 0.36500391364097595
5607 Epoch 32/499: 24%|█         | 39/160 [04:05<12:26, 6.17s/it]print_dice: 0.
49435776472091675, print_iou: 0.32833680510520935
5608 Epoch 32/499: 25%|█         | 40/160 [04:11<12:18, 6.15s/it]print_dice: 0.5084020495414734
, print_iou: 0.3408438563346863
5609 Epoch 32/499: 26%|█         | 41/160 [04:17<12:10, 6.14s/it]print_dice: 0.5413708090782166
, print_iou: 0.371150404214859
5610 Epoch 32/499: 26%|█         | 42/160 [04:24<12:10, 6.19s/it]print_dice: 0.5306681394577026
, print_iou: 0.36116287112236023
5611 print_dice: 0.41334372758865356, print_iou: 0.26051247119903564
5612 Epoch 32/499: 28%|█         | 44/160 [04:36<11:59, 6.20s/it]print_dice: 0.5236711502075195
, print_iou: 0.35471174120903015
5613 Epoch 32/499: 28%|█         | 45/160 [04:43<11:59, 6.26s/it]print_dice: 0.5140498876571655
, print_iou: 0.3459402024745941
5614 print_dice: 0.48181742429733276, print_iou: 0.3173646032810211
5615 Epoch 32/499: 29%|█         | 47/160 [04:55<11:48, 6.27s/it]print_dice: 0.4679179787635803
, print_iou: 0.305413156747818

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5616 Epoch 32/499: 30%|██████| 48/160 [05:02<11:46, 6.31s/it]print_dice: 0.5630930066108704
, print_iou: 0.39187854528427124
5617 print_dice: 0.5010138154029846, print_iou: 0.3342351019382477
5618 Epoch 32/499: 31%|██████| 50/160 [05:14<11:29, 6.27s/it]print_dice: 0.5203640460968018
, print_iou: 0.3516838252544403
5619 Epoch 32/499: 32%|██████| 51/160 [05:20<11:21, 6.25s/it]print_dice: 0.5153922438621521
, print_iou: 0.34715718030929565
5620 print_dice: 0.5501886010169983, print_iou: 0.3794897496700287
5621 Epoch 32/499: 33%|██████| 53/160 [05:33<11:06, 6.23s/it]print_dice: 0.5471014380455017
, print_iou: 0.3765586018562317
5622 Epoch 32/499: 34%|██████| 54/160 [05:39<11:00, 6.23s/it]print_dice: 0.5070809125900269
, print_iou: 0.3396573066711426
5623 print_dice: 0.5170170068740845, print_iou: 0.3486331105232239
5624 Epoch 32/499: 35%|██████| 56/160 [05:51<10:51, 6.27s/it]print_dice: 0.5384858846664429
, print_iou: 0.3684438467025757
5625 Epoch 32/499: 36%|██████| 57/160 [05:58<10:45, 6.27s/it]print_dice: 0.4472500681877136
, print_iou: 0.28803741931915283
5626 print_dice: 0.5055179595947266, print_iou: 0.3382563292980194
5627 Epoch 32/499: 37%|██████| 59/160 [06:10<10:28, 6.22s/it]print_dice: 0.5494856834411621
, print_iou: 0.3788212537765503
5628 print_dice: 0.5654340386390686, print_iou: 0.39414986968040466
5629 Epoch 32/499: 38%|██████| 61/160 [06:23<10:18, 6.25s/it]print_dice: 0.5308719873428345
, print_iou: 0.36135175824165344
5630 print_dice: 0.5957368016242981, print_iou: 0.42423442006111145
5631 Epoch 32/499: 39%|██████| 63/160 [06:35<10:04, 6.23s/it]print_dice: 0.5596168637275696
, print_iou: 0.38851943612098694
5632 Epoch 32/499: 40%|██████| 64/160 [06:41<09:55, 6.21s/it]print_dice: 0.5310625433921814
, print_iou: 0.36152833700180054
5633 Epoch 32/499: 41%|██████| 65/160 [06:47<09:51, 6.22s/it]print_dice: 0.4887789785861969
, print_iou: 0.32343316078186035
5634 Epoch 32/499: 41%|██████| 66/160 [06:54<09:45, 6.23s/it]print_dice: 0.
45093679428100586, print_iou: 0.29110291600227356
5635 Epoch 32/499: 42%|██████| 67/160 [07:00<09:40, 6.24s/it]print_dice: 0.5809799432754517
, print_iou: 0.4094233214855194
5636 Epoch 32/499: 42%|██████| 68/160 [07:06<09:33, 6.23s/it]print_dice: 0.5129842758178711
, print_iou: 0.34497568011283875
5637 Epoch 32/499: 43%|██████| 69/160 [07:12<09:29, 6.26s/it]print_dice: 0.5881736874580383
, print_iou: 0.4166048467159271
5638 Epoch 32/499: 44%|██████| 70/160 [07:19<09:22, 6.25s/it]print_dice: 0.4473333954811096
, print_iou: 0.2881065309047699
5639 Epoch 32/499: 44%|██████| 71/160 [07:25<09:17, 6.26s/it]print_dice: 0.4940623342990875
, print_iou: 0.32807621359825134
5640 Epoch 32/499: 45%|██████| 72/160 [07:31<09:12, 6.28s/it]print_dice: 0.5356121063232422
, print_iou: 0.36575835943222046
5641 Epoch 32/499: 46%|██████| 73/160 [07:38<09:05, 6.27s/it]print_dice: 0.5436626076698303
, print_iou: 0.37330812215805054
5642 print_dice: 0.48055586218833923, print_iou: 0.3162708282470703
5643 Epoch 32/499: 47%|██████| 75/160 [07:50<08:54, 6.29s/it]print_dice: 0.5200230479240417
, print_iou: 0.3513723909854889
5644 print_dice: 0.620928943157196, print_iou: 0.45025160908699036
5645 Epoch 32/499: 48%|██████| 77/160 [08:03<08:40, 6.27s/it]print_dice: 0.5754573941230774
, print_iou: 0.40395939350128174
5646 Epoch 32/499: 49%|██████| 78/160 [08:09<08:29, 6.21s/it]print_dice: 0.
44728779792785645, print_iou: 0.2880687117576599
5647 print_dice: 0.5489137172698975, print_iou: 0.37827780842781067
5648 Epoch 32/499: 50%|██████| 80/160 [08:21<08:19, 6.25s/it]print_dice: 0.5217763781547546
, print_iou: 0.3529752790927887
5649 Epoch 32/499: 51%|██████| 81/160 [08:28<08:15, 6.27s/it]print_dice: 0.5997812151908875
, print_iou: 0.42834821343421936
5650 print_dice: 0.43988925218582153, print_iou: 0.28196024894714355
5651 Epoch 32/499: 52%|██████| 83/160 [08:40<07:57, 6.20s/it]print_dice: 0.5562171936035156
, print_iou: 0.38524994254112244
5652 Epoch 32/499: 52%|██████| 84/160 [08:46<07:52, 6.22s/it]print_dice: 0.554463267326355
, print_iou: 0.3835691511631012
5653 print_dice: 0.5177045464515686, print_iou: 0.349258691072464
5654 Epoch 32/499: 54%|██████| 86/160 [08:59<07:40, 6.23s/it]print_dice: 0.6486107707023621
, print_iou: 0.47995850443840027
5655 Epoch 32/499: 54%|██████| 87/160 [09:05<07:35, 6.23s/it]print_dice: 0.5214868187904358
, print_iou: 0.3527103066444397

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5656 print_dice: 0.5295884609222412, print_iou: 0.3601633906364441
5657 Epoch 32/499: 56%|███████| 89/160 [09:18<07:28, 6.31s/it]print_dice: 0.5554646849632263
, print_iou: 0.3845282793045044
5658 print_dice: 0.5879472494125366, print_iou: 0.4163776636123657
5659 Epoch 32/499: 57%|███████| 91/160 [09:30<07:13, 6.28s/it]print_dice: 0.6164403557777405
, print_iou: 0.4455466568470001
5660 Epoch 32/499: 57%|███████| 92/160 [09:36<07:05, 6.26s/it]print_dice: 0.
47680795192718506, print_iou: 0.3130320906639099
5661 Epoch 32/499: 58%|███████| 93/160 [09:43<07:00, 6.27s/it]print_dice: 0.
44280630350112915, print_iou: 0.28436172008514404
5662 Epoch 32/499: 59%|███████| 94/160 [09:49<06:52, 6.25s/it]print_dice: 0.4700554609298706
, print_iou: 0.3072369396686554
5663 print_dice: 0.5004198551177979, print_iou: 0.33370664715766907
5664 Epoch 32/499: 60%|███████| 96/160 [10:01<06:35, 6.18s/it]print_dice: 0.5893811583518982
, print_iou: 0.41781747341156006
5665 Epoch 32/499: 61%|███████| 97/160 [10:07<06:29, 6.18s/it]print_dice: 0.544278621673584
, print_iou: 0.373889297246933
5666 Epoch 32/499: 61%|███████| 98/160 [10:14<06:26, 6.23s/it]print_dice: 0.
49312347173690796, print_iou: 0.327248752117157
5667 print_dice: 0.5014544129371643, print_iou: 0.3346274197101593
5668 Epoch 32/499: 62%|███████| 100/160 [10:26<06:15, 6.26s/it]print_dice: 0.
5480276346206665, print_iou: 0.37743666768074036
5669 Epoch 32/499: 63%|███████| 101/160 [10:32<06:07, 6.24s/it]print_dice: 0.
5348121523857117, print_iou: 0.36501267552375793
5670 [100/160] eta: 0:06:15 time: 6.2360 data: 0.0005
5671 Epoch 32/499: 64%|███████| 102/160 [10:39<06:00, 6.21s/it]print_dice: 0.
5715723633766174, print_iou: 0.4001409113407135
5672 print_dice: 0.5061377882957458, print_iou: 0.33881157636642456
5673 Epoch 32/499: 65%|███████| 104/160 [10:51<05:50, 6.27s/it]print_dice: 0.
5110016465187073, print_iou: 0.34318485856056213
5674 print_dice: 0.4939497113227844, print_iou: 0.32797691226005554
5675 Epoch 32/499: 66%|███████| 106/160 [11:04<05:38, 6.27s/it]print_dice: 0.514155924320221
, print_iou: 0.34603625535964966
5676 Epoch 32/499: 67%|███████| 107/160 [11:10<05:31, 6.26s/it]print_dice: 0.
4801879823207855, print_iou: 0.31595221161842346
5677 Epoch 32/499: 68%|███████| 108/160 [11:16<05:23, 6.23s/it]print_dice: 0.
4596394896507263, print_iou: 0.29839736223220825
5678 Epoch 32/499: 68%|███████| 109/160 [11:23<05:19, 6.26s/it]print_dice: 0.
45547184348106384, print_iou: 0.2948938310146332
5679 Epoch 32/499: 69%|███████| 110/160 [11:29<05:11, 6.22s/it]print_dice: 0.
4916345179080963, print_iou: 0.3259385824203491
5680 print_dice: 0.4644092321395874, print_iou: 0.30243033170700073
5681 Epoch 32/499: 70%|███████| 112/160 [11:41<04:56, 6.18s/it]print_dice: 0.
5581044554710388, print_iou: 0.38706302642822266
5682 print_dice: 0.5115262866020203, print_iou: 0.3436582684516907
5683 Epoch 32/499: 71%|███████| 114/160 [11:54<04:47, 6.25s/it]print_dice: 0.
5425111651420593, print_iou: 0.3722231984138489
5684 Epoch 32/499: 72%|███████| 115/160 [12:00<04:42, 6.27s/it]print_dice: 0.565664529800415
, print_iou: 0.39437395334243774
5685 Epoch 32/499: 72%|███████| 116/160 [12:06<04:36, 6.29s/it]print_dice: 0.
5614824295043945, print_iou: 0.39032021164894104
5686 Epoch 32/499: 73%|███████| 117/160 [12:13<04:31, 6.31s/it]print_dice: 0.
5403652787208557, print_iou: 0.370205819606781
5687 print_dice: 0.5519984364509583, print_iou: 0.3812139928340912
5688 Epoch 32/499: 74%|███████| 119/160 [12:25<04:14, 6.21s/it]print_dice: 0.
4687012732028961, print_iou: 0.3060809075832367
5689 Epoch 32/499: 75%|███████| 120/160 [12:31<04:11, 6.29s/it]print_dice: 0.
5647678971290588, print_iou: 0.393502801656723
5690 Epoch 32/499: 76%|███████| 121/160 [12:38<04:07, 6.36s/it]print_dice: 0.
5993756651878357, print_iou: 0.4279346466064453
5691 print_dice: 0.5616459250450134, print_iou: 0.3904782235622406
5692 Epoch 32/499: 77%|███████| 123/160 [12:50<03:51, 6.25s/it]print_dice: 0.
5135769248008728, print_iou: 0.34551191329956055
5693 Epoch 32/499: 78%|███████| 124/160 [12:56<03:44, 6.22s/it]print_dice: 0.
5650877952575684, print_iou: 0.39381349086761475
5694 Epoch 32/499: 78%|███████| 125/160 [13:03<03:39, 6.28s/it]print_dice: 0.
4967857301235199, print_iou: 0.3304823338985443
5695 Epoch 32/499: 79%|███████| 126/160 [13:09<03:31, 6.22s/it]print_dice: 0.
5790659189224243, print_iou: 0.40752482414245605
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5696 Epoch 32/499: 79%|██████████| 127/160 [13:15<03:24, 6.19s/it]print_dice: 0.
5502363443374634, print_iou: 0.3795352280139923
5697 Epoch 32/499: 80%|██████████| 128/160 [13:21<03:17, 6.18s/it]print_dice: 0.
43022236227989197, print_iou: 0.2740657925605774
5698 Epoch 32/499: 81%|██████████| 129/160 [13:27<03:10, 6.16s/it]print_dice: 0.
5481994152069092, print_iou: 0.37759965658187866
5699 Epoch 32/499: 81%|██████████| 130/160 [13:33<03:04, 6.16s/it]print_dice: 0.
5598739981651306, print_iou: 0.38876739144325256
5700 Epoch 32/499: 82%|██████████| 131/160 [13:40<02:59, 6.20s/it]print_dice: 0.
5326916575431824, print_iou: 0.3630400002002716
5701 Epoch 32/499: 82%|██████████| 132/160 [13:46<02:54, 6.23s/it]print_dice: 0.
42107754945755005, print_iou: 0.26668664813041687
5702 Epoch 32/499: 83%|██████████| 133/160 [13:52<02:48, 6.23s/it]print_dice: 0.
47598376870155334, print_iou: 0.3123219907283783
5703 Epoch 32/499: 84%|██████████| 134/160 [13:58<02:42, 6.24s/it]print_dice: 0.
5046533942222595, print_iou: 0.3374825716018677
5704 Epoch 32/499: 84%|██████████| 135/160 [14:05<02:37, 6.29s/it]print_dice: 0.
5420129895210266, print_iou: 0.37175431847572327
5705 print_dice: 0.5890607237815857, print_iou: 0.417495459318161
5706 Epoch 32/499: 86%|██████████| 137/160 [14:17<02:23, 6.24s/it]print_dice: 0.
5662363767623901, print_iou: 0.39493006467819214
5707 Epoch 32/499: 86%|██████████| 138/160 [14:23<02:16, 6.21s/it]print_dice: 0.
5148389339447021, print_iou: 0.3466552793979645
5708 print_dice: 0.6078078150749207, print_iou: 0.4365832507610321
5709 Epoch 32/499: 88%|██████████| 140/160 [14:36<02:03, 6.18s/it]print_dice: 0.
5133856534957886, print_iou: 0.3453387916088104
5710 print_dice: 0.5828877091407776, print_iou: 0.4113207459449768
5711 Epoch 32/499: 89%|██████████| 142/160 [14:48<01:51, 6.22s/it]print_dice: 0.
5623053908348083, print_iou: 0.39111605286598206
5712 Epoch 32/499: 89%|██████████| 143/160 [14:55<01:46, 6.28s/it]print_dice: 0.
6211754083633423, print_iou: 0.45051079988479614
5713 Epoch 32/499: 90%|██████████| 144/160 [15:01<01:39, 6.24s/it]print_dice: 0.514183759689331
, print_iou: 0.34606149792671204
5714 Epoch 32/499: 91%|██████████| 145/160 [15:07<01:32, 6.20s/it]print_dice: 0.
5278815627098083, print_iou: 0.3585863411426544
5715 Epoch 32/499: 91%|██████████| 146/160 [15:13<01:27, 6.22s/it]print_dice: 0.
4801192581653595, print_iou: 0.3158927261829376
5716 print_dice: 0.4828912615776062, print_iou: 0.31829705834388733
5717 Epoch 32/499: 92%|██████████| 148/160 [15:26<01:15, 6.26s/it]print_dice: 0.
5198192596435547, print_iou: 0.3511863350868225
5718 Epoch 32/499: 93%|██████████| 149/160 [15:32<01:09, 6.30s/it]print_dice: 0.
4783904254436493, print_iou: 0.3143976032733917
5719 print_dice: 0.5826428532600403, print_iou: 0.41107696294784546
5720 Epoch 32/499: 94%|██████████| 151/160 [15:44<00:56, 6.22s/it]print_dice: 0.
4657144844532013, print_iou: 0.30353832244873047
5721 Epoch 32/499: 95%|██████████| 152/160 [15:50<00:49, 6.18s/it]print_dice: 0.
4952586591243744, print_iou: 0.329132080078125
5722 Epoch 32/499: 96%|██████████| 153/160 [15:57<00:43, 6.21s/it]print_dice: 0.
5995469689369202, print_iou: 0.4281092882156372
5723 print_dice: 0.5504565238952637, print_iou: 0.3797447681427002
5724 Epoch 32/499: 97%|██████████| 155/160 [16:09<00:30, 6.18s/it]print_dice: 0.568011462688446
, print_iou: 0.3966592252254486
5725 Epoch 32/499: 98%|██████████| 156/160 [16:15<00:24, 6.17s/it]print_dice: 0.
5704346299171448, print_iou: 0.3990266025066376
5726 Epoch 32/499: 98%|██████████| 157/160 [16:21<00:18, 6.17s/it]print_dice: 0.
4903865456581116, print_iou: 0.3248424530029297
5727 Epoch 32/499: 99%|██████████| 158/160 [16:28<00:12, 6.17s/it]print_dice: 0.
5372600555419922, print_iou: 0.36729705333709717
5728 Epoch 32/499: 99%|██████████| 159/160 [16:34<00:06, 6.18s/it]print_dice: 0.
5353246927261353, print_iou: 0.3654903769493103
5729 Epoch 32/499: 100%|██████████| 160/160 [16:40<00:00, 6.20s/it]print_dice: 0.
5676776170730591, print_iou: 0.3963336944580078
5730 [159/160] eta: 0:00:06 time: 6.2171 data: 0.0003
5731 Epoch 32/499: 100%|██████████| 160/160 [16:41<00:00, 6.26s/it]
5732 Total time: 0:16:41 (6.2582 s / it)
5733 Averaged stats: training_loss: -369.5896 (-369.5896) loss_mask: -369.5870 (-369.5870)
loss_dice: -0.0026 (-0.0026)
5734 0%| | 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8377002954949
5735 Validating...

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5736 Valid_dataloader len: 12
5737 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.9476e-04, 9.
2649e-04, 9.3393e-04, ..., 9.9998e-01, 9.9998e-01,
5738     9.9998e-01], grad_fn=<Unique2Backward0>)
5739   8%|███████| 1/12 [00:08<01:37, 8.87s/it]print_dice: 0.556981086730957, print_iou: 0.
3859831988811493
5740   [ 0/12] eta: 0:01:46 time: 8.8736 data: 4.7492
5741 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.5039e-04, 7.
7413e-04, 7.7500e-04, ..., 9.9998e-01, 9.9998e-01,
5742     9.9998e-01], grad_fn=<Unique2Backward0>)
5743  17%|███████| 2/12 [00:13<01:01, 6.10s/it]print_dice: 0.6103265285491943, print_iou: 0.
43918702006340027
5744 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.4814e-04, 2.
5363e-04, 2.5951e-04, ..., 1.0000e+00, 1.0000e+00,
5745     1.0000e+00], grad_fn=<Unique2Backward0>)
5746 print_dice: 0.5309578776359558, print_iou: 0.3614313304424286
5747  25%|███████| 3/12 [00:17<00:46, 5.21s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.7043e-04, 2.7894e-04, 2.7925e-04, ..., 1.0000e+00, 1.
0000e+00,
5748     1.0000e+00], grad_fn=<Unique2Backward0>)
5749 print_dice: 0.5296585559844971, print_iou: 0.3602282702922821
5750  33%|███████| 4/12 [00:21<00:38, 4.81s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([6.7501e-04, 7.1408e-04, 7.2235e-04, ..., 9.9998e-01, 9.
9998e-01,
5751     9.9998e-01], grad_fn=<Unique2Backward0>)
5752  42%|███████| 5/12 [00:25<00:31, 4.54s/it]print_dice: 0.5776729583740234, print_iou: 0.
4061463475227356
5753 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.7044e-04, 2.
7926e-04, 2.7930e-04, ..., 1.0000e+00, 1.0000e+00,
5754     1.0000e+00], grad_fn=<Unique2Backward0>)
5755 print_dice: 0.5110243558883667, print_iou: 0.3432053327560425
5756  50%|███████| 6/12 [00:29<00:26, 4.38s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([6.6844e-04, 6.9284e-04, 7.0429e-04, ..., 9.9998e-01, 9.
9998e-01,
5757     9.9998e-01], grad_fn=<Unique2Backward0>)
5758  58%|███████| 7/12 [00:33<00:21, 4.31s/it]print_dice: 0.4403021037578583, print_iou: 0.
28229960799217224
5759 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.0416e-04, 8.
0438e-04, 8.2215e-04, ..., 9.9996e-01, 9.9996e-01,
5760     9.9996e-01], grad_fn=<Unique2Backward0>)
5761  67%|███████| 8/12 [00:37<00:16, 4.24s/it]print_dice: 0.5481704473495483, print_iou: 0.
3775721490383148
5762 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.5015e-04, 8.
0442e-04, 8.0615e-04, ..., 9.9998e-01, 9.9998e-01,
5763     9.9998e-01], grad_fn=<Unique2Backward0>)
5764  75%|███████| 9/12 [00:42<00:12, 4.24s/it]print_dice: 0.5664511322975159, print_iou: 0.
39513906836509705
5765 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.4584e-04, 7.
8756e-04, 8.0785e-04, ..., 9.9998e-01, 9.9998e-01,
5766     9.9998e-01], grad_fn=<Unique2Backward0>)
5767 print_dice: 0.5723667144775391, print_iou: 0.40091997385025024
5768  83%|███████| 10/12 [00:46<00:08, 4.20s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([1.7715e-04, 1.7728e-04, 1.7782e-04, ..., 1.0000e+00, 1.
0000e+00,
5769     1.0000e+00], grad_fn=<Unique2Backward0>)
5770 print_dice: 0.6160366535186768, print_iou: 0.445125013589859
5771  92%|███████| 11/12 [00:50<00:04, 4.14s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.7043e-04, 2.7916e-04, 2.7923e-04, ..., 1.0000e+00, 1.
0000e+00,
5772     1.0000e+00], grad_fn=<Unique2Backward0>)
5773 100%|███████| 12/12 [00:54<00:00, 4.10s/it]print_dice: 0.5865634679794312, print_iou: 0
.41499102115631104
5774   [11/12] eta: 0:00:04 time: 4.5130 data: 0.3962
5775 100%|███████| 12/12 [00:54<00:00, 4.56s/it]
5776 Total time: 0:00:54 (4.5573 s / it)
5777 =====
5778 Averaged stats:
5779 Epoch 33/499: 0%|███████| 0/160 [00:00<?, ?it/s]epoch: 33 learning rate: 1e-07
5780 Epoch 33/499: 1%|███████| 1/160 [00:10<27:37, 10.42s/it]print_dice: 0.4764365255832672

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5780 , print_iou: 0.3127119541168213
5781 [ 0/160] eta: 0:27:47 time: 10.4225 data: 4.1445
5782 print_dice: 0.60133296251297, print_iou: 0.42993292212486267
5783 Epoch 33/499: 2%| | 3/160 [00:23<18:53, 7.22s/it]print_dice: 0.48836830258369446
, print_iou: 0.3230735957622528
5784 Epoch 33/499: 2%| | 4/160 [00:29<17:52, 6.87s/it]print_dice: 0.5376846194267273
, print_iou: 0.36769402027130127
5785 Epoch 33/499: 3%| | 5/160 [00:35<17:04, 6.61s/it]print_dice: 0.4375438094139099
, print_iou: 0.2800358831882477
5786 Epoch 33/499: 4%| | 6/160 [00:41<16:31, 6.44s/it]print_dice: 0.49125751852989197
, print_iou: 0.3256072700023651
5787 Epoch 33/499: 4%| | 7/160 [00:47<16:11, 6.35s/it]print_dice: 0.445682168006897
, print_iou: 0.2867381274700165
5788 Epoch 33/499: 5%| | 8/160 [00:54<16:00, 6.32s/it]print_dice: 0.5878696441650391
, print_iou: 0.41629987955093384
5789 Epoch 33/499: 6%| | 9/160 [01:00<15:40, 6.23s/it]print_dice: 0.5145929455757141
, print_iou: 0.34643226861953735
5790 Epoch 33/499: 6%| | 10/160 [01:06<15:31, 6.21s/it]print_dice: 0.5009412169456482
, print_iou: 0.33417049050331116
5791 print_dice: 0.47458502650260925, print_iou: 0.31111863255500793
5792 Epoch 33/499: 8%| | 12/160 [01:18<15:22, 6.23s/it]print_dice: 0.5665166974067688
, print_iou: 0.3952028453350067
5793 Epoch 33/499: 8%| | 13/160 [01:25<15:24, 6.29s/it]print_dice: 0.551721453666687
, print_iou: 0.38094982504844666
5794 Epoch 33/499: 9%| | 14/160 [01:31<15:15, 6.27s/it]print_dice: 0.5902782678604126
, print_iou: 0.41871970891952515
5795 Epoch 33/499: 9%| | 15/160 [01:37<15:12, 6.29s/it]print_dice: 0.5443676710128784
, print_iou: 0.3739733397960663
5796 Epoch 33/499: 10%| | 16/160 [01:43<15:02, 6.26s/it]print_dice: 0.5396849513053894
, print_iou: 0.3695674538612366
5797 Epoch 33/499: 11%| | 17/160 [01:50<14:56, 6.27s/it]print_dice: 0.4970519244670868
, print_iou: 0.3307179808616638
5798 print_dice: 0.5408321022987366, print_iou: 0.37064415216445923
5799 Epoch 33/499: 12%| | 19/160 [02:02<14:47, 6.30s/it]print_dice: 0.5394497513771057
, print_iou: 0.3693469166755676
5800 Epoch 33/499: 12%| | 20/160 [02:09<14:36, 6.26s/it]print_dice: 0.5822240710258484
, print_iou: 0.41066011786460876
5801 Epoch 33/499: 13%| | 21/160 [02:15<14:24, 6.22s/it]print_dice: 0.
47462213039398193, print_iou: 0.31115052103996277
5802 print_dice: 0.5073302388191223, print_iou: 0.3398810923099518
5803 Epoch 33/499: 14%| | 23/160 [02:27<14:13, 6.23s/it]print_dice: 0.5334521532058716
, print_iou: 0.36374685168266296
5804 Epoch 33/499: 15%| | 24/160 [02:33<14:08, 6.24s/it]print_dice: 0.5249609351158142
, print_iou: 0.3558962941169739
5805 print_dice: 0.4947513937950134, print_iou: 0.3286841809749603
5806 Epoch 33/499: 16%| | 26/160 [02:46<13:52, 6.21s/it]print_dice: 0.5337153673171997
, print_iou: 0.3639916181564331
5807 Epoch 33/499: 17%| | 27/160 [02:52<13:48, 6.23s/it]print_dice: 0.5435814261436462
, print_iou: 0.37323158979415894
5808 Epoch 33/499: 18%| | 28/160 [02:58<13:43, 6.24s/it]print_dice: 0.6441349387168884
, print_iou: 0.47507306933403015
5809 Epoch 33/499: 18%| | 29/160 [03:04<13:35, 6.22s/it]print_dice: 0.5632375478744507
, print_iou: 0.39201855659484863
5810 Epoch 33/499: 19%| | 30/160 [03:11<13:30, 6.23s/it]print_dice: 0.5174770355224609
, print_iou: 0.3490516245365143
5811 Epoch 33/499: 19%| | 31/160 [03:17<13:29, 6.28s/it]print_dice: 0.5705166459083557
, print_iou: 0.3991069197654724
5812 Epoch 33/499: 20%| | 32/160 [03:23<13:19, 6.24s/it]print_dice: 0.4397617280483246
, print_iou: 0.2818554937839508
5813 Epoch 33/499: 21%| | 33/160 [03:30<13:14, 6.26s/it]print_dice: 0.530004620552063
, print_iou: 0.3605484962463379
5814 Epoch 33/499: 21%| | 34/160 [03:36<13:09, 6.27s/it]print_dice: 0.5637854337692261
, print_iou: 0.3925495743751526
5815 Epoch 33/499: 22%| | 35/160 [03:42<13:05, 6.28s/it]print_dice: 0.5111895799636841
, print_iou: 0.34335437417030334
5816 print_dice: 0.5202181339263916, print_iou: 0.3515505790710449
5817 Epoch 33/499: 23%| | 37/160 [03:54<12:41, 6.19s/it]print_dice: 0.5883938670158386
, print_iou: 0.4168258309364319
5818 Epoch 33/499: 24%| | 38/160 [04:01<12:37, 6.21s/it]print_dice: 0.5409491658210754

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5818 , print_iou: 0.3707541823387146
5819 print_dice: 0.6246365308761597, print_iou: 0.45416104793548584
5820 Epoch 33/499: 25%|██████| 40/160 [04:13<12:31, 6.26s/it]print_dice: 0.
48835134506225586, print_iou: 0.3230587840080261
5821 Epoch 33/499: 26%|██████| 41/160 [04:20<12:26, 6.28s/it]print_dice: 0.5323960185050964
, print_iou: 0.36276543140411377
5822 Epoch 33/499: 26%|██████| 42/160 [04:26<12:20, 6.27s/it]print_dice: 0.5508342981338501
, print_iou: 0.3801043927669525
5823 Epoch 33/499: 27%|██████| 43/160 [04:32<12:15, 6.28s/it]print_dice: 0.5330657958984375
, print_iou: 0.36338767409324646
5824 print_dice: 0.5419484972953796, print_iou: 0.3716936707496643
5825 Epoch 33/499: 28%|██████| 45/160 [04:45<12:04, 6.30s/it]print_dice: 0.4714853763580322
, print_iou: 0.3084598183631897
5826 print_dice: 0.5353800654411316, print_iou: 0.3655419945716858
5827 Epoch 33/499: 29%|██████| 47/160 [04:58<12:02, 6.39s/it]print_dice: 0.5870131850242615
, print_iou: 0.4154413938522339
5828 print_dice: 0.604571521282196, print_iou: 0.4332515597343445
5829 Epoch 33/499: 31%|██████| 49/160 [05:10<11:37, 6.29s/it]print_dice: 0.4406120479106903
, print_iou: 0.2825544774532318
5830 Epoch 33/499: 31%|██████| 50/160 [05:16<11:29, 6.27s/it]print_dice: 0.5387965440750122
, print_iou: 0.36873477697372437
5831 print_dice: 0.4867655038833618, print_iou: 0.3216722309589386
5832 Epoch 33/499: 32%|██████| 52/160 [05:29<11:12, 6.23s/it]print_dice: 0.5345066785812378
, print_iou: 0.3647281229496002
5833 print_dice: 0.5530357956886292, print_iou: 0.38220420479774475
5834 Epoch 33/499: 34%|██████| 54/160 [05:41<11:03, 6.26s/it]print_dice: 0.5330870151519775
, print_iou: 0.3634074032306671
5835 Epoch 33/499: 34%|██████| 55/160 [05:47<10:53, 6.23s/it]print_dice: 0.
48947057127952576, print_iou: 0.3240390717983246
5836 Epoch 33/499: 35%|██████| 56/160 [05:53<10:44, 6.20s/it]print_dice: 0.
47408148646354675, print_iou: 0.31068599224090576
5837 print_dice: 0.5386863350868225, print_iou: 0.3686315715312958
5838 Epoch 33/499: 36%|██████| 58/160 [06:06<10:33, 6.21s/it]print_dice: 0.45685014128685
, print_iou: 0.29605039954185486
5839 print_dice: 0.5620766282081604, print_iou: 0.39089471101760864
5840 Epoch 33/499: 38%|██████| 60/160 [06:18<10:14, 6.14s/it]print_dice: 0.5484468936920166
, print_iou: 0.3778345286846161
5841 Epoch 33/499: 38%|██████| 61/160 [06:24<10:10, 6.17s/it]print_dice: 0.4967902600765228
, print_iou: 0.33048632740974426
5842 Epoch 33/499: 39%|██████| 62/160 [06:31<10:05, 6.18s/it]print_dice: 0.5077375173568726
, print_iou: 0.3402467966079712
5843 Epoch 33/499: 39%|██████| 63/160 [06:37<10:04, 6.23s/it]print_dice: 0.4122500717639923
, print_iou: 0.25964421033859253
5844 Epoch 33/499: 40%|██████| 64/160 [06:43<09:56, 6.22s/it]print_dice: 0.5618698596954346
, print_iou: 0.3906947374343872
5845 print_dice: 0.5556811094284058, print_iou: 0.38473576307296753
5846 Epoch 33/499: 41%|██████| 66/160 [06:55<09:40, 6.18s/it]print_dice: 0.
49581798911094666, print_iou: 0.32962632179260254
5847 Epoch 33/499: 42%|██████| 67/160 [07:02<09:37, 6.20s/it]print_dice: 0.6172114014625549
, print_iou: 0.44635269045829773
5848 Epoch 33/499: 42%|██████| 68/160 [07:08<09:30, 6.20s/it]print_dice: 0.5218300819396973
, print_iou: 0.353024423122406
5849 Epoch 33/499: 43%|██████| 69/160 [07:14<09:27, 6.24s/it]print_dice: 0.5617650151252747
, print_iou: 0.39059334993362427
5850 print_dice: 0.5234586596488953, print_iou: 0.35451677441596985
5851 Epoch 33/499: 44%|██████| 71/160 [07:27<09:16, 6.25s/it]print_dice: 0.5228766798973083
, print_iou: 0.353983074426651
5852 Epoch 33/499: 45%|██████| 72/160 [07:33<09:08, 6.23s/it]print_dice: 0.5120097994804382
, print_iou: 0.3440948724746704
5853 Epoch 33/499: 46%|██████| 73/160 [07:39<09:05, 6.27s/it]print_dice: 0.6028589010238647
, print_iou: 0.4314946234226227
5854 Epoch 33/499: 46%|██████| 74/160 [07:45<08:59, 6.27s/it]print_dice: 0.5610262751579285
, print_iou: 0.389879435300827
5855 print_dice: 0.6097339987754822, print_iou: 0.4385736286640167
5856 Epoch 33/499: 48%|██████| 76/160 [07:58<08:46, 6.27s/it]print_dice: 0.5870266556739807
, print_iou: 0.4154548943042755
5857 Epoch 33/499: 48%|██████| 77/160 [08:04<08:38, 6.24s/it]print_dice: 0.5950095653533936
, print_iou: 0.4234972298145294
5858 print_dice: 0.447849839925766, print_iou: 0.28853511810302734
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5859 Epoch 33/499: 49%|███████| 79/160 [08:17<08:27, 6.26s/it]print_dice: 0.4629843831062317
, print_iou: 0.30122295022010803
5860 Epoch 33/499: 50%|███████| 80/160 [08:23<08:20, 6.26s/it]print_dice: 0.
45063644647598267, print_iou: 0.2908526360988617
5861 Epoch 33/499: 51%|███████| 81/160 [08:29<08:11, 6.22s/it]print_dice: 0.4882810115814209
, print_iou: 0.32299721240997314
5862 Epoch 33/499: 51%|███████| 82/160 [08:35<08:01, 6.17s/it]print_dice: 0.
47867465019226074, print_iou: 0.3146432042121887
5863 Epoch 33/499: 52%|███████| 83/160 [08:41<07:55, 6.17s/it]print_dice: 0.5534319877624512
, print_iou: 0.38258275389671326
5864 print_dice: 0.4676814675331116, print_iou: 0.3052116632461548
5865 Epoch 33/499: 53%|███████| 85/160 [08:54<07:48, 6.25s/it]print_dice: 0.5520510077476501
, print_iou: 0.3812641203403473
5866 Epoch 33/499: 54%|███████| 86/160 [09:00<07:42, 6.25s/it]print_dice: 0.5152671337127686
, print_iou: 0.3470436632633209
5867 print_dice: 0.5093976259231567, print_iou: 0.3417394459247589
5868 Epoch 33/499: 55%|███████| 88/160 [09:13<07:28, 6.23s/it]print_dice: 0.6211966872215271
, print_iou: 0.4505332112312317
5869 print_dice: 0.466884970664978, print_iou: 0.30453357100486755
5870 Epoch 33/499: 56%|███████| 90/160 [09:25<07:18, 6.27s/it]print_dice: 0.5396358370780945
, print_iou: 0.3695214092731476
5871 Epoch 33/499: 57%|███████| 91/160 [09:32<07:13, 6.28s/it]print_dice: 0.4753994345664978
, print_iou: 0.31181901693344116
5872 Epoch 33/499: 57%|███████| 92/160 [09:38<07:07, 6.28s/it]print_dice: 0.5308973789215088
, print_iou: 0.3613753020763397
5873 print_dice: 0.4839782416820526, print_iou: 0.3192422688007355
5874 Epoch 33/499: 59%|███████| 94/160 [09:50<06:54, 6.28s/it]print_dice: 0.5852588415145874
, print_iou: 0.41368618607521057
5875 Epoch 33/499: 59%|███████| 95/160 [09:57<06:48, 6.28s/it]print_dice: 0.5138530731201172
, print_iou: 0.3457619547843933
5876 Epoch 33/499: 60%|███████| 96/160 [10:03<06:42, 6.28s/it]print_dice: 0.4992157518863678
, print_iou: 0.33263659477233887
5877 Epoch 33/499: 61%|███████| 97/160 [10:09<06:33, 6.25s/it]print_dice: 0.
47858622670173645, print_iou: 0.31456679105758667
5878 Epoch 33/499: 61%|███████| 98/160 [10:15<06:26, 6.24s/it]print_dice: 0.
46456795930862427, print_iou: 0.30256497859954834
5879 print_dice: 0.5091719627380371, print_iou: 0.34153637290000916
5880 Epoch 33/499: 62%|███████| 100/160 [10:28<06:11, 6.19s/it]print_dice: 0.
5293899774551392, print_iou: 0.35997986793518066
5881 Epoch 33/499: 63%|███████| 101/160 [10:34<06:06, 6.21s/it]print_dice: 0.508991539478302
, print_iou: 0.3413739800453186
5882 [100/160] eta: 0:06:16 time: 6.2412 data: 0.0004
5883 Epoch 33/499: 64%|███████| 102/160 [10:40<05:59, 6.21s/it]print_dice: 0.
5205116868019104, print_iou: 0.351818710565567
5884 Epoch 33/499: 64%|███████| 103/160 [10:46<05:54, 6.22s/it]print_dice: 0.
5499136447906494, print_iou: 0.3792282044887543
5885 Epoch 33/499: 65%|███████| 104/160 [10:52<05:45, 6.17s/it]print_dice: 0.
5735904574394226, print_iou: 0.4021218717098236
5886 print_dice: 0.45921096205711365, print_iou: 0.29803624749183655
5887 Epoch 33/499: 66%|███████| 106/160 [11:05<05:34, 6.19s/it]print_dice: 0.
4918379783630371, print_iou: 0.32611748576164246
5888 print_dice: 0.5709577798843384, print_iou: 0.3995387554168701
5889 Epoch 33/499: 68%|███████| 108/160 [11:17<05:22, 6.21s/it]print_dice: 0.
5286975502967834, print_iou: 0.35933980345726013
5890 print_dice: 0.5174380540847778, print_iou: 0.3490161597728729
5891 Epoch 33/499: 69%|███████| 110/160 [11:30<05:10, 6.21s/it]print_dice: 0.
5190695524215698, print_iou: 0.3505023419857025
5892 print_dice: 0.5246732234954834, print_iou: 0.35563188791275024
5893 Epoch 33/499: 70%|███████| 112/160 [11:42<05:01, 6.27s/it]print_dice: 0.
5275112986564636, print_iou: 0.35824471712112427
5894 Epoch 33/499: 71%|███████| 113/160 [11:49<04:53, 6.25s/it]print_dice: 0.
48554226756095886, print_iou: 0.32060468196868896
5895 Epoch 33/499: 71%|███████| 114/160 [11:55<04:46, 6.23s/it]print_dice: 0.
5001459717750549, print_iou: 0.3334631025791168
5896 print_dice: 0.564212441444397, print_iou: 0.3929637372493744
5897 Epoch 33/499: 72%|███████| 116/160 [12:07<04:32, 6.20s/it]print_dice: 0.
5397324562072754, print_iou: 0.3696120083332062
5898 Epoch 33/499: 73%|███████| 117/160 [12:13<04:27, 6.23s/it]print_dice: 0.
6038804054260254, print_iou: 0.43254202604293823
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5899 print_dice: 0.5448281168937683, print_iou: 0.3744080662727356
5900 Epoch 33/499: 74%|██████████| 119/160 [12:26<04:17, 6.27s/it]print_dice: 0.
5008955597877502, print_iou: 0.33412986993789673
5901 Epoch 33/499: 75%|██████████| 120/160 [12:32<04:09, 6.23s/it]print_dice: 0.
5320620536804199, print_iou: 0.36245542764663696
5902 Epoch 33/499: 76%|██████████| 121/160 [12:38<04:02, 6.22s/it]print_dice: 0.
5867739319801331, print_iou: 0.41520172357559204
5903 print_dice: 0.5534192323684692, print_iou: 0.3825705647468567
5904 Epoch 33/499: 77%|██████████| 123/160 [12:51<03:49, 6.20s/it]print_dice: 0.
5172338485717773, print_iou: 0.34883037209510803
5905 Epoch 33/499: 78%|██████████| 124/160 [12:57<03:42, 6.17s/it]print_dice: 0.
5760035514831543, print_iou: 0.4044978618621826
5906 print_dice: 0.42666614055633545, print_iou: 0.2711860239505768
5907 Epoch 33/499: 79%|██████████| 126/160 [13:09<03:30, 6.20s/it]print_dice: 0.
5780068635940552, print_iou: 0.40647655725479126
5908 Epoch 33/499: 79%|██████████| 127/160 [13:16<03:27, 6.28s/it]print_dice: 0.
5529593229293823, print_iou: 0.3821311593055725
5909 print_dice: 0.5522351861000061, print_iou: 0.38143986463546753
5910 Epoch 33/499: 81%|██████████| 129/160 [13:28<03:15, 6.30s/it]print_dice: 0.
5651028752326965, print_iou: 0.3938281238079071
5911 Epoch 33/499: 81%|██████████| 130/160 [13:35<03:08, 6.27s/it]print_dice: 0.531727135181427
, print_iou: 0.3621446490287781
5912 Epoch 33/499: 82%|██████████| 131/160 [13:41<03:01, 6.24s/it]print_dice: 0.
5845685601234436, print_iou: 0.412996768951416
5913 print_dice: 0.5466270446777344, print_iou: 0.3761092722415924
5914 Epoch 33/499: 83%|██████████| 133/160 [13:53<02:49, 6.26s/it]print_dice: 0.
5448962450027466, print_iou: 0.3744724690914154
5915 Epoch 33/499: 84%|██████████| 134/160 [14:00<02:43, 6.27s/it]print_dice: 0.
5536531209945679, print_iou: 0.3827941417694092
5916 print_dice: 0.5185283422470093, print_iou: 0.35000893473625183
5917 Epoch 33/499: 85%|██████████| 136/160 [14:12<02:28, 6.17s/it]print_dice: 0.
5074125528335571, print_iou: 0.33995500206947327
5918 Epoch 33/499: 86%|██████████| 137/160 [14:18<02:21, 6.17s/it]print_dice: 0.519707977771759
, print_iou: 0.35108476877212524
5919 Epoch 33/499: 86%|██████████| 138/160 [14:24<02:16, 6.21s/it]print_dice: 0.
4677371382713318, print_iou: 0.3052590787410736
5920 Epoch 33/499: 87%|██████████| 139/160 [14:31<02:10, 6.22s/it]print_dice: 0.
5152102708816528, print_iou: 0.3469920754432678
5921 Epoch 33/499: 88%|██████████| 140/160 [14:37<02:05, 6.26s/it]print_dice: 0.
6019737124443054, print_iou: 0.4305882453918457
5922 Epoch 33/499: 88%|██████████| 141/160 [14:43<01:59, 6.27s/it]print_dice: 0.
5635432600975037, print_iou: 0.3923148214817047
5923 print_dice: 0.4931483566761017, print_iou: 0.3272706866264343
5924 Epoch 33/499: 89%|██████████| 143/160 [14:56<01:47, 6.31s/it]print_dice: 0.
44609859585762024, print_iou: 0.2870829403400421
5925 Epoch 33/499: 90%|██████████| 144/160 [15:02<01:41, 6.37s/it]print_dice: 0.
5086872577667236, print_iou: 0.3411003053188324
5926 print_dice: 0.5324669480323792, print_iou: 0.3628312945365906
5927 Epoch 33/499: 91%|██████████| 146/160 [15:15<01:28, 6.29s/it]print_dice: 0.
5086801052093506, print_iou: 0.34109386801719666
5928 Epoch 33/499: 92%|██████████| 147/160 [15:21<01:21, 6.28s/it]print_dice: 0.
5664170384407043, print_iou: 0.39510583877563477
5929 Epoch 33/499: 92%|██████████| 148/160 [15:27<01:15, 6.27s/it]print_dice: 0.
5954602360725403, print_iou: 0.42395398020744324
5930 Epoch 33/499: 93%|██████████| 149/160 [15:34<01:08, 6.24s/it]print_dice: 0.
5470377206802368, print_iou: 0.3764982521533966
5931 Epoch 33/499: 94%|██████████| 150/160 [15:40<01:02, 6.23s/it]print_dice: 0.
5041981339454651, print_iou: 0.33707547187805176
5932 print_dice: 0.5632543563842773, print_iou: 0.3920348286628723
5933 Epoch 33/499: 95%|██████████| 152/160 [15:52<00:49, 6.22s/it]print_dice: 0.
5218343138694763, print_iou: 0.3530282974243164
5934 Epoch 33/499: 96%|██████████| 153/160 [15:59<00:43, 6.25s/it]print_dice: 0.551847517490387
, print_iou: 0.38107001781463623
5935 print_dice: 0.601582944393158, print_iou: 0.43018853664398193
5936 Epoch 33/499: 97%|██████████| 155/160 [16:11<00:31, 6.24s/it]print_dice: 0.
43584105372428894, print_iou: 0.2786424458026886
5937 Epoch 33/499: 98%|██████████| 156/160 [16:17<00:24, 6.24s/it]print_dice: 0.
5675672888755798, print_iou: 0.39622610807418823
5938 Epoch 33/499: 98%|██████████| 157/160 [16:23<00:18, 6.21s/it]print_dice: 0.
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5938 5550229549407959, print_iou: 0.38410505652427673
5939 Epoch 33/499: 99%|██████████| 158/160 [16:29<00:12, 6.18s/it]print_dice: 0.
6135522127151489, print_iou: 0.442535400390625
5940 Epoch 33/499: 99%|██████████| 159/160 [16:35<00:06, 6.14s/it]print_dice: 0.
5089249014854431, print_iou: 0.34131407737731934
5941 Epoch 33/499: 100%|██████████| 160/160 [16:42<00:00, 6.14s/it]print_dice: 0.
5896009802818298, print_iou: 0.41803842782974243
5942 [159/160] eta: 0:00:06 time: 6.2328 data: 0.0006
5943 Epoch 33/499: 100%|██████████| 160/160 [16:42<00:00, 6.27s/it]
5944 Total time: 0:16:42 (6.2678 s / it)
5945 Averaged stats: training_loss: -671.5543 (-671.5543) loss_mask: -671.5001 (-671.5001)
loss_dice: -0.0542 (-0.0542)
5946 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8380320556462
5947 Validating...
5948 Valid_dataloader len: 12
5949 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.0512e-04, 2.
1410e-04, 2.1455e-04, ..., 1.0000e+00, 1.0000e+00,
5950 1.0000e+00], grad_fn=<Unique2Backward0>)
5951 8%|██████████| 1/12 [00:08<01:37, 8.90s/it]print_dice: 0.5635183453559875, print_iou: 0.
3922906517982483
5952 [ 0/12] eta: 0:01:46 time: 8.8976 data: 4.7151
5953 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.3550e-04, 2.
4006e-04, 2.4010e-04, ..., 1.0000e+00, 1.0000e+00,
5954 1.0000e+00], grad_fn=<Unique2Backward0>)
5955 print_dice: 0.6133225560188293, print_iou: 0.44229647517204285
5956 17%|██████████| 2/12 [00:13<01:00, 6.09s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.6374e-04, 2.7016e-04, 2.7040e-04, ..., 1.0000e+00, 1.
0000e+00,
5957 1.0000e+00], grad_fn=<Unique2Backward0>)
5958 25%|██████████| 3/12 [00:17<00:46, 5.18s/it]print_dice: 0.5404602289199829, print_iou: 0.
370294988155365
5959 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.9771e-04, 6.
2138e-04, 6.3596e-04, ..., 9.9997e-01, 9.9997e-01,
5960 9.9997e-01], grad_fn=<Unique2Backward0>)
5961 33%|██████████| 4/12 [00:21<00:37, 4.75s/it]print_dice: 0.5320797562599182, print_iou: 0.
36247187852859497
5962 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.6387e-04, 2.
7024e-04, 2.7049e-04, ..., 1.0000e+00, 1.0000e+00,
5963 1.0000e+00], grad_fn=<Unique2Backward0>)
5964 42%|██████████| 5/12 [00:25<00:31, 4.51s/it]print_dice: 0.5844486355781555, print_iou: 0.
41287705302238464
5965 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.5097e-04, 1.
5127e-04, 1.5269e-04, ..., 1.0000e+00, 1.0000e+00,
5966 1.0000e+00], grad_fn=<Unique2Backward0>)
5967 50%|██████████| 6/12 [00:29<00:26, 4.41s/it]print_dice: 0.5158613920211792, print_iou: 0.
34758302569389343
5968 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2084e-04, 2.
2872e-04, 2.3022e-04, ..., 1.0000e+00, 1.0000e+00,
5969 1.0000e+00], grad_fn=<Unique2Backward0>)
5970 print_dice: 0.4402941167354584, print_iou: 0.28229302167892456
5971 58%|██████████| 7/12 [00:33<00:21, 4.36s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([1.2201e-04, 1.2309e-04, 1.2441e-04, ..., 1.0000e+00, 1.
0000e+00,
5972 1.0000e+00], grad_fn=<Unique2Backward0>)
5973 67%|██████████| 8/12 [00:37<00:17, 4.27s/it]print_dice: 0.5521641373634338, print_iou: 0.
3813720643520355
5974 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.6390e-04, 2.
7030e-04, 2.7038e-04, ..., 1.0000e+00, 1.0000e+00,
5975 1.0000e+00], grad_fn=<Unique2Backward0>)
5976 print_dice: 0.5713351964950562, print_iou: 0.39990851283073425
5977 75%|██████████| 9/12 [00:41<00:12, 4.23s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.2278e-04, 2.2331e-04, 2.2656e-04, ..., 1.0000e+00, 1.
0000e+00,
5978 1.0000e+00], grad_fn=<Unique2Backward0>)
5979 print_dice: 0.5777153968811035, print_iou: 0.40618830919265747
5980 83%|██████████| 10/12 [00:46<00:08, 4.17s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.6385e-04, 2.7021e-04, 2.7036e-04, ..., 1.0000e+00, 1.
0000e+00,
5981 1.0000e+00], grad_fn=<Unique2Backward0>)

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5982 92%|██████████| 11/12 [00:50<00:04, 4.15s/it]print_dice: 0.6235816478729248, print_iou: 0.453046590089798
5983 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.5138e-04, 2.5702e-04, 2.5785e-04, ..., 1.0000e+00, 1.0000e+00,
5984 1.0000e+00], grad_fn=<Unique2Backward0>)
5985 100%|██████████| 12/12 [00:54<00:00, 4.15s/it]print_dice: 0.582984983921051, print_iou: 0.4114176630973816
5986 [11/12] eta: 0:00:04 time: 4.5243 data: 0.3932
5987 100%|██████████| 12/12 [00:54<00:00, 4.56s/it]
5988 Total time: 0:00:54 (4.5626 s / it)
5989 =====
5990 Averaged stats:
5991 epoch: 34 learning rate: 1e-07
5992 Epoch 34/499: 1%|██████| 1/160 [00:10<27:37, 10.42s/it]print_dice: 0.5011987090110779, print_iou: 0.3343997001647949
5993 [ 0/160] eta: 0:27:47 time: 10.4223 data: 4.0804
5994 Epoch 34/499: 1%|██████| 2/160 [00:16<21:06, 8.01s/it]print_dice: 0.5673902034759521, print_iou: 0.3960535228252411
5995 print_dice: 0.49266955256462097, print_iou: 0.3268490731716156
5996 Epoch 34/499: 2%|██████| 4/160 [00:28<17:29, 6.73s/it]print_dice: 0.5879653096199036, print_iou: 0.41639578342437744
5997 Epoch 34/499: 3%|██████| 5/160 [00:35<17:00, 6.59s/it]print_dice: 0.6008387804031372, print_iou: 0.429427832365036
5998 Epoch 34/499: 4%|██████| 6/160 [00:41<16:32, 6.45s/it]print_dice: 0.5358186960220337, print_iou: 0.3659510612487793
5999 Epoch 34/499: 4%|██████| 7/160 [00:47<16:07, 6.32s/it]print_dice: 0.6043213605880737, print_iou: 0.43299466371536255
6000 Epoch 34/499: 5%|██████| 8/160 [00:53<15:53, 6.27s/it]print_dice: 0.5841642618179321, print_iou: 0.41259321570396423
6001 Epoch 34/499: 6%|██████| 9/160 [00:59<15:46, 6.27s/it]print_dice: 0.4887211322784424, print_iou: 0.32338249683380127
6002 print_dice: 0.579434335231781, print_iou: 0.40788984298706055
6003 Epoch 34/499: 7%|██████| 11/160 [01:12<15:21, 6.18s/it]print_dice: 0.43728870153427124, print_iou: 0.27982693910598755
6004 Epoch 34/499: 8%|██████| 12/160 [01:18<15:13, 6.17s/it]print_dice: 0.5410172343254089, print_iou: 0.3708180785179138
6005 Epoch 34/499: 8%|██████| 13/160 [01:24<15:16, 6.23s/it]print_dice: 0.5325207710266113, print_iou: 0.3628813326358795
6006 Epoch 34/499: 9%|██████| 14/160 [01:30<15:05, 6.20s/it]print_dice: 0.4452195167541504, print_iou: 0.28635522723197937
6007 Epoch 34/499: 9%|██████| 15/160 [01:36<14:54, 6.17s/it]print_dice: 0.4749756455421448, print_iou: 0.3114544451236725
6008 Epoch 34/499: 10%|██████| 16/160 [01:43<14:46, 6.15s/it]print_dice: 0.51157546043396, print_iou: 0.34370267391204834
6009 Epoch 34/499: 11%|██████| 17/160 [01:49<14:37, 6.14s/it]print_dice: 0.5367898941040039, print_iou: 0.36685770750045776
6010 Epoch 34/499: 11%|██████| 18/160 [01:55<14:31, 6.14s/it]print_dice: 0.547206699848175, print_iou: 0.3766583502292633
6011 Epoch 34/499: 12%|██████| 19/160 [02:01<14:28, 6.16s/it]print_dice: 0.5206754207611084, print_iou: 0.35196834802627563
6012 Epoch 34/499: 12%|██████| 20/160 [02:07<14:21, 6.15s/it]print_dice: 0.5822795629501343, print_iou: 0.41071537137031555
6013 Epoch 34/499: 13%|██████| 21/160 [02:13<14:19, 6.18s/it]print_dice: 0.5319721698760986, print_iou: 0.3623719811439514
6014 Epoch 34/499: 14%|██████| 22/160 [02:20<14:13, 6.18s/it]print_dice: 0.46218711137771606, print_iou: 0.30054834485054016
6015 print_dice: 0.5027891993522644, print_iou: 0.33581724762916565
6016 Epoch 34/499: 15%|██████| 24/160 [02:32<14:00, 6.18s/it]print_dice: 0.5446658134460449, print_iou: 0.37425482273101807
6017 print_dice: 0.5132655501365662, print_iou: 0.3452301323413849
6018 Epoch 34/499: 16%|██████| 26/160 [02:44<13:48, 6.18s/it]print_dice: 0.6075857281684875, print_iou: 0.4363541007041931
6019 print_dice: 0.6157266497612, print_iou: 0.44480133056640625
6020 Epoch 34/499: 18%|██████| 28/160 [02:57<13:34, 6.17s/it]print_dice: 0.4808671176433563, print_iou: 0.31654050946235657
6021 Epoch 34/499: 18%|██████| 29/160 [03:03<13:28, 6.17s/it]print_dice: 0.4907042384147644, print_iou: 0.32512131333351135
6022 Epoch 34/499: 19%|██████| 30/160 [03:09<13:19, 6.15s/it]print_dice: 0.513149082660675, print_iou: 0.3451247811317444

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6023 Epoch 34/499: 19%|██████| 31/160 [03:15<13:15, 6.17s/it]print_dice: 0.6273206472396851
, print_iou: 0.45700448751449585
6024 Epoch 34/499: 20%|██████| 32/160 [03:21<13:13, 6.20s/it]print_dice: 0.5138975381851196
, print_iou: 0.3458022177219391
6025 print_dice: 0.4741334319114685, print_iou: 0.31073060631752014
6026 Epoch 34/499: 21%|██████| 34/160 [03:34<12:59, 6.18s/it]print_dice: 0.5574735403060913
, print_iou: 0.38645637035369873
6027 Epoch 34/499: 22%|██████| 35/160 [03:40<12:50, 6.17s/it]print_dice: 0.5481884479522705
, print_iou: 0.37758922576904297
6028 Epoch 34/499: 22%|██████| 36/160 [03:46<12:42, 6.15s/it]print_dice: 0.5344944000244141
, print_iou: 0.36471670866012573
6029 Epoch 34/499: 23%|██████| 37/160 [03:52<12:39, 6.18s/it]print_dice: 0.4571593105792999
, print_iou: 0.2963101267814636
6030 Epoch 34/499: 24%|██████| 38/160 [03:58<12:34, 6.18s/it]print_dice: 0.592173159122467
, print_iou: 0.42062923312187195
6031 Epoch 34/499: 24%|██████| 39/160 [04:04<12:27, 6.17s/it]print_dice: 0.
44822585582733154, print_iou: 0.2888473570346832
6032 print_dice: 0.5336681008338928, print_iou: 0.36394765973091125
6033 Epoch 34/499: 26%|██████| 41/160 [04:17<12:12, 6.16s/it]print_dice: 0.5630826354026794
, print_iou: 0.3918684720993042
6034 Epoch 34/499: 26%|██████| 42/160 [04:23<12:02, 6.12s/it]print_dice: 0.4415925145149231
, print_iou: 0.28336137533187866
6035 Epoch 34/499: 27%|██████| 43/160 [04:29<12:00, 6.16s/it]print_dice: 0.5612636208534241
, print_iou: 0.39010876417160034
6036 Epoch 34/499: 28%|██████| 44/160 [04:35<11:57, 6.19s/it]print_dice: 0.4633500874042511
, print_iou: 0.30153265595436096
6037 Epoch 34/499: 28%|██████| 45/160 [04:41<11:49, 6.17s/it]print_dice: 0.58208829164505
, print_iou: 0.41052505373954773
6038 Epoch 34/499: 29%|██████| 46/160 [04:48<11:43, 6.17s/it]print_dice: 0.5821381211280823
, print_iou: 0.41057461500167847
6039 print_dice: 0.4934379756450653, print_iou: 0.3275258243083954
6040 Epoch 34/499: 30%|██████| 48/160 [05:00<11:30, 6.16s/it]print_dice: 0.4261278212070465
, print_iou: 0.2707512378692627
6041 print_dice: 0.5408767461776733, print_iou: 0.3706861138343811
6042 Epoch 34/499: 31%|██████| 50/160 [05:12<11:13, 6.12s/it]print_dice: 0.4522746205329895
, print_iou: 0.2922189235687256
6043 Epoch 34/499: 32%|██████| 51/160 [05:18<11:09, 6.15s/it]print_dice: 0.545749843120575
, print_iou: 0.37527918815612793
6044 Epoch 34/499: 32%|██████| 52/160 [05:24<11:01, 6.12s/it]print_dice: 0.5785327553749084
, print_iou: 0.4069969058036804
6045 Epoch 34/499: 33%|██████| 53/160 [05:30<10:54, 6.11s/it]print_dice: 0.
49766477942466736, print_iou: 0.3312608003616333
6046 print_dice: 0.4695778489112854, print_iou: 0.30682897567749023
6047 Epoch 34/499: 34%|██████| 55/160 [05:43<10:49, 6.19s/it]print_dice: 0.5660755634307861
, print_iou: 0.3947736322879791
6048 print_dice: 0.5417289137840271, print_iou: 0.3714871108531952
6049 Epoch 34/499: 36%|██████| 57/160 [05:55<10:37, 6.19s/it]print_dice: 0.5620553493499756
, print_iou: 0.39087411761283875
6050 Epoch 34/499: 36%|██████| 58/160 [06:02<10:31, 6.19s/it]print_dice: 0.5523050427436829
, print_iou: 0.3815065026283264
6051 Epoch 34/499: 37%|██████| 59/160 [06:08<10:23, 6.18s/it]print_dice: 0.4802311062812805
, print_iou: 0.31598958373069763
6052 print_dice: 0.5607332587242126, print_iou: 0.38959646224975586
6053 Epoch 34/499: 38%|██████| 61/160 [06:20<10:11, 6.17s/it]print_dice: 0.549217700958252
, print_iou: 0.37856656312942505
6054 Epoch 34/499: 39%|██████| 62/160 [06:26<10:10, 6.23s/it]print_dice: 0.5054455399513245
, print_iou: 0.3381914496421814
6055 Epoch 34/499: 39%|██████| 63/160 [06:33<10:04, 6.24s/it]print_dice: 0.5980416536331177
, print_iou: 0.4265759289264679
6056 Epoch 34/499: 40%|██████| 64/160 [06:39<09:59, 6.25s/it]print_dice: 0.
44519585371017456, print_iou: 0.28633564710617065
6057 Epoch 34/499: 41%|██████| 65/160 [06:45<09:50, 6.21s/it]print_dice: 0.5661013126373291
, print_iou: 0.3947986960411072
6058 Epoch 34/499: 41%|██████| 66/160 [06:51<09:43, 6.21s/it]print_dice: 0.5271798372268677
, print_iou: 0.35793906450271606
6059 Epoch 34/499: 42%|██████| 67/160 [06:58<09:40, 6.25s/it]print_dice: 0.596677839756012
, print_iou: 0.4251895248889923
6060 print_dice: 0.42836031317710876, print_iou: 0.272556334733963
6061 Epoch 34/499: 43%|██████| 69/160 [07:10<09:24, 6.21s/it]print_dice: 0.516975462436676

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6061 , print_iou: 0.34859535098075867
6062 Epoch 34/499: 44%|██████| 70/160 [07:16<09:19, 6.22s/it]print_dice: 0.5768401622772217
, print_iou: 0.40532350540161133
6063 Epoch 34/499: 44%|██████| 71/160 [07:23<09:19, 6.29s/it]print_dice: 0.5005967617034912
, print_iou: 0.3338640034198761
6064 print_dice: 0.5448545813560486, print_iou: 0.37443310022354126
6065 Epoch 34/499: 46%|██████| 73/160 [07:35<09:05, 6.27s/it]print_dice: 0.5631575584411621
, print_iou: 0.391941100358963
6066 print_dice: 0.42027780413627625, print_iou: 0.26604539155960083
6067 Epoch 34/499: 47%|██████| 75/160 [07:48<08:51, 6.25s/it]print_dice: 0.
46963706612586975, print_iou: 0.30687955021858215
6068 Epoch 34/499: 48%|██████| 76/160 [07:54<08:42, 6.22s/it]print_dice: 0.5201632976531982
, print_iou: 0.3515004813671112
6069 Epoch 34/499: 48%|██████| 77/160 [08:00<08:36, 6.23s/it]print_dice: 0.5484012961387634
, print_iou: 0.37779128551483154
6070 Epoch 34/499: 49%|██████| 78/160 [08:06<08:29, 6.21s/it]print_dice: 0.5194050073623657
, print_iou: 0.3508082926273346
6071 Epoch 34/499: 49%|██████| 79/160 [08:12<08:24, 6.23s/it]print_dice: 0.510151207447052
, print_iou: 0.3424181044101715
6072 Epoch 34/499: 50%|██████| 80/160 [08:19<08:19, 6.24s/it]print_dice: 0.5145225524902344
, print_iou: 0.3463684618473053
6073 print_dice: 0.5492750406265259, print_iou: 0.37862107157707214
6074 Epoch 34/499: 51%|██████| 82/160 [08:31<08:03, 6.20s/it]print_dice: 0.5737832188606262
, print_iou: 0.4023113548755646
6075 print_dice: 0.5502293109893799, print_iou: 0.3795285224914551
6076 Epoch 34/499: 52%|██████| 84/160 [08:43<07:51, 6.20s/it]print_dice: 0.5466738343238831
, print_iou: 0.3761535584926605
6077 Epoch 34/499: 53%|██████| 85/160 [08:50<07:47, 6.23s/it]print_dice: 0.5119257569313049
, print_iou: 0.34401896595954895
6078 Epoch 34/499: 54%|██████| 86/160 [08:56<07:41, 6.24s/it]print_dice: 0.5222983360290527
, print_iou: 0.3534531593322754
6079 print_dice: 0.520693302154541, print_iou: 0.3519847095012665
6080 Epoch 34/499: 55%|██████| 88/160 [09:08<07:24, 6.17s/it]print_dice: 0.5695766806602478
, print_iou: 0.3981874883174896
6081 Epoch 34/499: 56%|██████| 89/160 [09:14<07:19, 6.18s/it]print_dice: 0.
47593823075294495, print_iou: 0.3122827708721161
6082 Epoch 34/499: 56%|██████| 90/160 [09:21<07:15, 6.23s/it]print_dice: 0.5416059494018555
, print_iou: 0.37137144804000854
6083 Epoch 34/499: 57%|██████| 91/160 [09:27<07:09, 6.22s/it]print_dice: 0.5443285703659058
, print_iou: 0.3739364445209503
6084 Epoch 34/499: 57%|██████| 92/160 [09:33<06:58, 6.16s/it]print_dice: 0.564700722694397
, print_iou: 0.39343759417533875
6085 Epoch 34/499: 58%|██████| 93/160 [09:39<06:55, 6.21s/it]print_dice: 0.4671996533870697
, print_iou: 0.3048013746738434
6086 Epoch 34/499: 59%|██████| 94/160 [09:46<06:53, 6.26s/it]print_dice: 0.5525002479553223
, print_iou: 0.3816928267478943
6087 print_dice: 0.5172134041786194, print_iou: 0.3488117456436157
6088 Epoch 34/499: 60%|██████| 96/160 [09:58<06:40, 6.25s/it]print_dice: 0.4842410981655121
, print_iou: 0.3194710612297058
6089 print_dice: 0.5303093194961548, print_iou: 0.3608305752277374
6090 Epoch 34/499: 61%|██████| 98/160 [10:10<06:24, 6.20s/it]print_dice: 0.
49770262837409973, print_iou: 0.33129435777664185
6091 print_dice: 0.4796333611011505, print_iou: 0.31547215580940247
6092 Epoch 34/499: 62%|██████| 100/160 [10:23<06:13, 6.22s/it]print_dice: 0.
5184351205825806, print_iou: 0.3499240279197693
6093 Epoch 34/499: 63%|██████| 101/160 [10:29<06:09, 6.27s/it]print_dice: 0.
5424465537071228, print_iou: 0.372162401676178
6094 [100/160] eta: 0:06:14 time: 6.2231 data: 0.0005
6095 Epoch 34/499: 64%|██████| 102/160 [10:35<06:01, 6.24s/it]print_dice: 0.
49045059084892273, print_iou: 0.3248986601829529
6096 Epoch 34/499: 64%|██████| 103/160 [10:42<05:53, 6.20s/it]print_dice: 0.
5509041547775269, print_iou: 0.3801709711551666
6097 Epoch 34/499: 65%|██████| 104/160 [10:48<05:47, 6.20s/it]print_dice: 0.
5565546751022339, print_iou: 0.38557374477386475
6098 Epoch 34/499: 66%|██████| 105/160 [10:54<05:39, 6.17s/it]print_dice: 0.
5304208993911743, print_iou: 0.3609338700771332
6099 Epoch 34/499: 66%|██████| 106/160 [11:00<05:33, 6.17s/it]print_dice: 0.
5379806756973267, print_iou: 0.36797094345092773
6100 Epoch 34/499: 67%|██████| 107/160 [11:06<05:25, 6.15s/it]print_dice: 0.

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6100 5919898152351379, print_iou: 0.4204442501068115
6101 Epoch 34/499: 68%|███████| 108/160 [11:12<05:21, 6.19s/it]print_dice: 0.
5853589773178101, print_iou: 0.41378623247146606
6102 Epoch 34/499: 68%|███████| 109/160 [11:19<05:15, 6.18s/it]print_dice: 0.
47742313146591187, print_iou: 0.3135626018047333
6103 Epoch 34/499: 69%|███████| 110/160 [11:25<05:08, 6.17s/it]print_dice: 0.
5878843069076538, print_iou: 0.41631457209587097
6104 Epoch 34/499: 69%|███████| 111/160 [11:31<05:02, 6.17s/it]print_dice: 0.
4833885431289673, print_iou: 0.31872931122779846
6105 print_dice: 0.47016510367393494, print_iou: 0.3073306083679199
6106 Epoch 34/499: 71%|███████| 113/160 [11:43<04:52, 6.22s/it]print_dice: 0.
5223756432533264, print_iou: 0.35352393984794617
6107 Epoch 34/499: 71%|███████| 114/160 [11:50<04:45, 6.21s/it]print_dice: 0.
5644014477729797, print_iou: 0.39314714074134827
6108 Epoch 34/499: 72%|███████| 115/160 [11:56<04:38, 6.20s/it]print_dice: 0.
5001078844070435, print_iou: 0.333429217338562
6109 Epoch 34/499: 72%|███████| 116/160 [12:02<04:32, 6.18s/it]print_dice: 0.
5213611125946045, print_iou: 0.3525952994823456
6110 print_dice: 0.48812559247016907, print_iou: 0.3228612244129181
6111 Epoch 34/499: 74%|███████| 118/160 [12:14<04:18, 6.17s/it]print_dice: 0.59730064868927
, print_iou: 0.42582228779792786
6112 print_dice: 0.535609245300293, print_iou: 0.36575567722320557
6113 Epoch 34/499: 75%|███████| 120/160 [12:27<04:08, 6.22s/it]print_dice: 0.
5062755942344666, print_iou: 0.3389350473880768
6114 Epoch 34/499: 76%|███████| 121/160 [12:33<04:02, 6.21s/it]print_dice: 0.
5800224542617798, print_iou: 0.4084729850292206
6115 Epoch 34/499: 76%|███████| 122/160 [12:39<03:54, 6.18s/it]print_dice: 0.
5420194268226624, print_iou: 0.37176039814949036
6116 Epoch 34/499: 77%|███████| 123/160 [12:45<03:49, 6.19s/it]print_dice: 0.550145149230957
, print_iou: 0.37944844365119934
6117 print_dice: 0.535620927810669, print_iou: 0.36576658487319946
6118 Epoch 34/499: 78%|███████| 125/160 [12:58<03:37, 6.20s/it]print_dice: 0.
5241063237190247, print_iou: 0.35511118173599243
6119 Epoch 34/499: 79%|███████| 126/160 [13:04<03:30, 6.18s/it]print_dice: 0.
5079533457756042, print_iou: 0.34044069051742554
6120 Epoch 34/499: 79%|███████| 127/160 [13:10<03:25, 6.22s/it]print_dice: 0.
5509478449821472, print_iou: 0.38021260499954224
6121 Epoch 34/499: 80%|███████| 128/160 [13:16<03:18, 6.19s/it]print_dice: 0.
5330260992050171, print_iou: 0.3633507490158081
6122 Epoch 34/499: 81%|███████| 129/160 [13:23<03:12, 6.22s/it]print_dice: 0.
4889148771762848, print_iou: 0.3235521614551544
6123 Epoch 34/499: 81%|███████| 130/160 [13:29<03:07, 6.25s/it]print_dice: 0.
5021234154701233, print_iou: 0.335223525762558
6124 Epoch 34/499: 82%|███████| 131/160 [13:35<03:01, 6.26s/it]print_dice: 0.
5121826529502869, print_iou: 0.34425100684165955
6125 print_dice: 0.6158439517021179, print_iou: 0.4449237883090973
6126 Epoch 34/499: 83%|███████| 133/160 [13:48<02:48, 6.23s/it]print_dice: 0.
5133322477340698, print_iou: 0.34529048204421997
6127 Epoch 34/499: 84%|███████| 134/160 [13:54<02:41, 6.22s/it]print_dice: 0.
44122686982154846, print_iou: 0.28306037187576294
6128 print_dice: 0.5695104002952576, print_iou: 0.39812272787094116
6129 Epoch 34/499: 85%|███████| 136/160 [14:06<02:29, 6.21s/it]print_dice: 0.
49612876772880554, print_iou: 0.3299010992050171
6130 Epoch 34/499: 86%|███████| 137/160 [14:12<02:22, 6.20s/it]print_dice: 0.
4872324466705322, print_iou: 0.32208019495010376
6131 Epoch 34/499: 86%|███████| 138/160 [14:19<02:17, 6.23s/it]print_dice: 0.
6186324954032898, print_iou: 0.4478406012058258
6132 print_dice: 0.5445981025695801, print_iou: 0.3741908371448517
6133 Epoch 34/499: 88%|███████| 140/160 [14:31<02:03, 6.19s/it]print_dice: 0.
5360302925109863, print_iou: 0.3661485016345978
6134 Epoch 34/499: 88%|███████| 141/160 [14:37<01:57, 6.18s/it]print_dice: 0.
5258811712265015, print_iou: 0.3567427396774292
6135 Epoch 34/499: 89%|███████| 142/160 [14:43<01:51, 6.17s/it]print_dice: 0.
5009586215019226, print_iou: 0.33418595790863037
6136 Epoch 34/499: 89%|███████| 143/160 [14:49<01:44, 6.13s/it]print_dice: 0.
5106937289237976, print_iou: 0.3429071009159088
6137 print_dice: 0.5681893229484558, print_iou: 0.3968327045440674
6138 Epoch 34/499: 91%|███████| 145/160 [15:02<01:32, 6.14s/it]print_dice: 0.
5210328102111816, print_iou: 0.35229507088661194

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6139 print_dice: 0.5457527041435242, print_iou: 0.3752819299697876
6140 Epoch 34/499: 92%|██████████| 147/160 [15:14<01:20, 6.16s/it]print_dice: 0.
5525175333023071, print_iou: 0.38170933723449707
6141 Epoch 34/499: 92%|██████████| 148/160 [15:20<01:13, 6.15s/it]print_dice: 0.
5286293029785156, print_iou: 0.35927677154541016
6142 print_dice: 0.5008780360221863, print_iou: 0.33411428332328796
6143 Epoch 34/499: 94%|██████████| 150/160 [15:33<01:02, 6.21s/it]print_dice: 0.
5582433938980103, print_iou: 0.38719671964645386
6144 print_dice: 0.6468587517738342, print_iou: 0.47804227471351624
6145 Epoch 34/499: 95%|██████████| 152/160 [15:45<00:49, 6.14s/it]print_dice: 0.
6013304591178894, print_iou: 0.42993032932281494
6146 Epoch 34/499: 96%|██████████| 153/160 [15:51<00:43, 6.20s/it]print_dice: 0.470445454120636
, print_iou: 0.307570219039917
6147 Epoch 34/499: 96%|██████████| 154/160 [15:57<00:37, 6.22s/it]print_dice: 0.
5167567729949951, print_iou: 0.34839650988578796
6148 Epoch 34/499: 97%|██████████| 155/160 [16:04<00:31, 6.21s/it]print_dice: 0.
5003774762153625, print_iou: 0.33366894721984863
6149 print_dice: 0.5632703304290771, print_iou: 0.3920503258705139
6150 Epoch 34/499: 98%|██████████| 157/160 [16:16<00:18, 6.15s/it]print_dice: 0.
5038197636604309, print_iou: 0.33673736453056335
6151 Epoch 34/499: 99%|██████████| 158/160 [16:22<00:12, 6.18s/it]print_dice: 0.
5932118892669678, print_iou: 0.42167824506759644
6152 Epoch 34/499: 99%|██████████| 159/160 [16:28<00:06, 6.16s/it]print_dice: 0.
5608131885528564, print_iou: 0.3896736800670624
6153 Epoch 34/499: 100%|██████████| 160/160 [16:34<00:00, 6.13s/it]print_dice: 0.
6048294901847839, print_iou: 0.4335165321826935
6154 [159/160] eta: 0:00:06 time: 6.1594 data: 0.0005
6155 Total time: 0:16:35 (6.2206 s / it)
6156 Averaged stats: training_loss: -327.2011 (-327.2011) loss_mask: -327.1336 (-327.1336)
loss_dice: -0.0675 (-0.0675)
6157 Epoch 34/499: 100%|██████████| 160/160 [16:35<00:00, 6.22s/it]
6158 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8383588398574
6159 Validating...
6160 Valid_dataloader len: 12
6161 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.6302e-04, 5.
9340e-04, 5.9959e-04, ..., 9.9998e-01, 9.9998e-01,
6162 9.9998e-01], grad_fn=<Unique2Backward0>)
6163 8%|██████████| 1/12 [00:07<01:27, 7.95s/it]print_dice: 0.5588726997375488, print_iou: 0.
38780248165130615
6164 [ 0/12] eta: 0:01:35 time: 7.9545 data: 3.9689
6165 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.6248e-04, 2.
6631e-04, 2.6714e-04, ..., 1.0000e+00, 1.0000e+00,
6166 1.0000e+00], grad_fn=<Unique2Backward0>)
6167 print_dice: 0.6156546473503113, print_iou: 0.44472622871398926
6168 17%|██████████| 2/12 [00:12<00:57, 5.73s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.6234e-04, 2.6658e-04, 2.6719e-04, ..., 1.0000e+00, 1.
0000e+00,
6169 1.0000e+00], grad_fn=<Unique2Backward0>)
6170 25%|██████████| 3/12 [00:16<00:44, 5.00s/it]print_dice: 0.5363703370094299, print_iou: 0.
36646586656570435
6171 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.6240e-04, 2.
6620e-04, 2.6724e-04, ..., 1.0000e+00, 1.0000e+00,
6172 1.0000e+00], grad_fn=<Unique2Backward0>)
6173 33%|██████████| 4/12 [00:20<00:37, 4.69s/it]print_dice: 0.5308321714401245, print_iou: 0.
36131489276885986
6174 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([4.1430e-04, 4.
3625e-04, 4.3644e-04, ..., 9.9999e-01, 9.9999e-01,
6175 9.9999e-01], grad_fn=<Unique2Backward0>)
6176 42%|██████████| 5/12 [00:24<00:31, 4.49s/it]print_dice: 0.5789059996604919, print_iou: 0.
40736645460128784
6177 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.9478e-04, 4.
0177e-04, 4.1346e-04, ..., 9.9999e-01, 9.9999e-01,
6178 9.9999e-01], grad_fn=<Unique2Backward0>)
6179 50%|██████████| 6/12 [00:28<00:26, 4.35s/it]print_dice: 0.5045124292373657, print_iou: 0.
3373565077781677
6180 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.6238e-04, 2.
6655e-04, 2.6726e-04, ..., 1.0000e+00, 1.0000e+00,
6181 1.0000e+00], grad_fn=<Unique2Backward0>)
6182 58%|██████████| 7/12 [00:32<00:21, 4.32s/it]print_dice: 0.4468173682689667, print_iou: 0.

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6182 287678599357605
6183 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.5057e-04, 8.
5249e-04, 8.5695e-04, ..., 9.9999e-01, 9.9999e-01,
6184 9.9999e-01], grad_fn=<Unique2Backward0>)
6185 67%|███████ | 8/12 [00:37<00:17, 4.25s/it]print_dice: 0.5431528687477112, print_iou: 0.
3728276193141937
6186 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.6250e-04, 2.
6657e-04, 2.6724e-04, ..., 1.0000e+00, 1.0000e+00,
6187 1.0000e+00], grad_fn=<Unique2Backward0>)
6188 75%|███████ | 9/12 [00:41<00:12, 4.26s/it]print_dice: 0.5679641366004944, print_iou: 0.
3966130316257477
6189 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.6235e-04, 2.
6658e-04, 2.6718e-04, ..., 1.0000e+00, 1.0000e+00,
6190 1.0000e+00], grad_fn=<Unique2Backward0>)
6191 83%|███████ | 10/12 [00:45<00:08, 4.25s/it]print_dice: 0.5797054767608643, print_iou: 0
.40815863013267517
6192 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.6109e-04, 1.
6300e-04, 1.6780e-04, ..., 1.0000e+00, 1.0000e+00,
6193 1.0000e+00], grad_fn=<Unique2Backward0>)
6194 print_dice: 0.6172031760215759, print_iou: 0.4463440775871277
6195 92%|███████ | 11/12 [00:49<00:04, 4.20s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.4443e-04, 2.4537e-04, 2.4638e-04, ..., 1.0000e+00, 1.
0000e+00,
6196 1.0000e+00], grad_fn=<Unique2Backward0>)
6197 100%|███████ | 12/12 [00:53<00:00, 4.17s/it]print_dice: 0.5794883966445923, print_iou: 0
.407943457365036
6198 [11/12] eta: 0:00:04 time: 4.4785 data: 0.3311
6199 100%|███████ | 12/12 [00:54<00:00, 4.52s/it]
6200 Total time: 0:00:54 (4.5168 s / it)
6201 =====
6202 Averaged stats:
6203 epoch: 35 learning rate: 1e-07
6204 Epoch 35/499: 1%| | 1/160 [00:10<27:41, 10.45s/it]print_dice: 0.47465234994888306
, print_iou: 0.31117650866508484
6205 [ 0/160] eta: 0:27:51 time: 10.4485 data: 4.0173
6206 Epoch 35/499: 1%|| | 2/160 [00:16<20:48, 7.90s/it]print_dice: 0.4355047345161438
, print_iou: 0.2783675491809845
6207 Epoch 35/499: 2%|| | 3/160 [00:22<18:29, 7.07s/it]print_dice: 0.5276574492454529
, print_iou: 0.3583795428276062
6208 Epoch 35/499: 2%|| | 4/160 [00:28<17:27, 6.71s/it]print_dice: 0.5413148403167725
, print_iou: 0.37109777331352234
6209 Epoch 35/499: 3%|| | 5/160 [00:34<16:47, 6.50s/it]print_dice: 0.47820183634757996
, print_iou: 0.31423473358154297
6210 Epoch 35/499: 4%|| | 6/160 [00:41<16:20, 6.36s/it]print_dice: 0.520552396774292
, print_iou: 0.35185593366622925
6211 Epoch 35/499: 4%|| | 7/160 [00:47<16:04, 6.30s/it]print_dice: 0.5100420117378235
, print_iou: 0.3423197269439697
6212 Epoch 35/499: 5%|| | 8/160 [00:53<15:46, 6.23s/it]print_dice: 0.6164224743843079
, print_iou: 0.44552797079086304
6213 print_dice: 0.5960813164710999, print_iou: 0.42458394169807434
6214 Epoch 35/499: 6%|| | 10/160 [01:05<15:24, 6.16s/it]print_dice: 0.5113040804862976
, print_iou: 0.34345772862434387
6215 Epoch 35/499: 7%|| | 11/160 [01:11<15:16, 6.15s/it]print_dice: 0.4568973481655121
, print_iou: 0.2960900664329529
6216 Epoch 35/499: 8%|| | 12/160 [01:17<15:08, 6.14s/it]print_dice: 0.
49215632677078247, print_iou: 0.32639744877815247
6217 print_dice: 0.4845278263092041, print_iou: 0.31972068548202515
6218 Epoch 35/499: 9%|| | 14/160 [01:30<15:03, 6.19s/it]print_dice: 0.4496177136898041
, print_iou: 0.2900044322013855
6219 Epoch 35/499: 9%|| | 15/160 [01:36<14:51, 6.15s/it]print_dice: 0.5158857107162476
, print_iou: 0.3476051092147827
6220 Epoch 35/499: 10%|| | 16/160 [01:42<14:45, 6.15s/it]print_dice: 0.5427842736244202
, print_iou: 0.3724803626537323
6221 Epoch 35/499: 11%|| | 17/160 [01:48<14:42, 6.17s/it]print_dice: 0.5854251980781555
, print_iou: 0.41385239362716675
6222 Epoch 35/499: 11%|| | 18/160 [01:54<14:33, 6.15s/it]print_dice: 0.5143625140190125
, print_iou: 0.34622347354888916
6223 Epoch 35/499: 12%|| | 19/160 [02:00<14:31, 6.18s/it]print_dice: 0.5402429699897766
, print_iou: 0.3700910210609436

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6224 print_dice: 0.49486827850341797, print_iou: 0.32878735661506653
6225 Epoch 35/499: 13%|███| 21/160 [02:13<14:22, 6.20s/it]print_dice: 0.
    47713807225227356, print_iou: 0.3133167028427124
6226 Epoch 35/499: 14%|███| 22/160 [02:19<14:14, 6.19s/it]print_dice: 0.5593603253364563
    , print_iou: 0.38827216625213623
6227 Epoch 35/499: 14%|███| 23/160 [02:25<14:09, 6.20s/it]print_dice: 0.5245494246482849
    , print_iou: 0.355518102645874
6228 Epoch 35/499: 15%|███| 24/160 [02:32<14:10, 6.25s/it]print_dice: 0.5888271927833557
    , print_iou: 0.41726088523864746
6229 Epoch 35/499: 16%|███| 25/160 [02:38<14:13, 6.32s/it]print_dice: 0.527324378490448
    , print_iou: 0.35807231068611145
6230 Epoch 35/499: 16%|███| 26/160 [02:45<14:07, 6.32s/it]print_dice: 0.5267300605773926
    , print_iou: 0.35752448439598083
6231 Epoch 35/499: 17%|███| 27/160 [02:51<14:03, 6.35s/it]print_dice: 0.582695722579956
    , print_iou: 0.41112959384918213
6232 Epoch 35/499: 18%|███| 28/160 [02:57<13:49, 6.28s/it]print_dice: 0.522533118724823
    , print_iou: 0.3536682724952698
6233 Epoch 35/499: 18%|███| 29/160 [03:03<13:47, 6.32s/it]print_dice: 0.5449942946434021
    , print_iou: 0.374565064907074
6234 Epoch 35/499: 19%|███| 30/160 [03:10<13:37, 6.29s/it]print_dice: 0.
    48750126361846924, print_iou: 0.32231515645980835
6235 Epoch 35/499: 19%|███| 31/160 [03:16<13:26, 6.25s/it]print_dice: 0.5281937122344971
    , print_iou: 0.35887449979782104
6236 Epoch 35/499: 20%|███| 32/160 [03:22<13:17, 6.23s/it]print_dice: 0.5501816868782043
    , print_iou: 0.3794831931591034
6237 Epoch 35/499: 21%|███| 33/160 [03:28<13:08, 6.21s/it]print_dice: 0.5020456314086914
    , print_iou: 0.3351541757583618
6238 Epoch 35/499: 21%|███| 34/160 [03:34<13:03, 6.22s/it]print_dice: 0.5093523859977722
    , print_iou: 0.3416987359523773
6239 print_dice: 0.5348687171936035, print_iou: 0.3650653660297394
6240 Epoch 35/499: 22%|███| 36/160 [03:47<12:54, 6.24s/it]print_dice: 0.5318816900253296
    , print_iou: 0.36228805780410767
6241 Epoch 35/499: 23%|███| 37/160 [03:53<12:52, 6.28s/it]print_dice: 0.5021790266036987
    , print_iou: 0.3352730870246887
6242 print_dice: 0.5315378308296204, print_iou: 0.3619690239429474
6243 Epoch 35/499: 24%|███| 39/160 [04:06<12:31, 6.21s/it]print_dice: 0.
    49245715141296387, print_iou: 0.3266621232032776
6244 print_dice: 0.6420651078224182, print_iou: 0.47282466292381287
6245 Epoch 35/499: 26%|███| 41/160 [04:18<12:16, 6.19s/it]print_dice: 0.5278551578521729
    , print_iou: 0.3585619628429413
6246 Epoch 35/499: 26%|███| 42/160 [04:24<12:08, 6.17s/it]print_dice: 0.5375926494598389
    , print_iou: 0.3676080107688904
6247 Epoch 35/499: 27%|███| 43/160 [04:30<12:05, 6.20s/it]print_dice: 0.560117781162262
    , print_iou: 0.3890025317668915
6248 Epoch 35/499: 28%|███| 44/160 [04:36<11:54, 6.16s/it]print_dice: 0.5954786539077759
    , print_iou: 0.4239726662635803
6249 Epoch 35/499: 28%|███| 45/160 [04:43<11:48, 6.16s/it]print_dice: 0.536980926990509
    , print_iou: 0.36703619360923767
6250 Epoch 35/499: 29%|███| 46/160 [04:49<11:45, 6.19s/it]print_dice: 0.5893107056617737
    , print_iou: 0.4177466332912445
6251 print_dice: 0.5649427175521851, print_iou: 0.3936725854873657
6252 Epoch 35/499: 30%|███| 48/160 [05:01<11:38, 6.24s/it]print_dice: 0.5866506695747375
    , print_iou: 0.4150783121585846
6253 print_dice: 0.5612002015113831, print_iou: 0.39004746079444885
6254 Epoch 35/499: 31%|███| 50/160 [05:14<11:22, 6.21s/it]print_dice: 0.5422481894493103
    , print_iou: 0.3719756603240967
6255 print_dice: 0.5861853361129761, print_iou: 0.4146125614643097
6256 Epoch 35/499: 32%|███| 52/160 [05:26<11:10, 6.21s/it]print_dice: 0.5252711772918701
    , print_iou: 0.3561815321445465
6257 Epoch 35/499: 33%|███| 53/160 [05:33<11:05, 6.22s/it]print_dice: 0.5594371557235718
    , print_iou: 0.38834622502326965
6258 print_dice: 0.4234163463115692, print_iou: 0.26856574416160583
6259 Epoch 35/499: 34%|███| 55/160 [05:45<10:51, 6.21s/it]print_dice: 0.5231013894081116
    , print_iou: 0.3541891276836395
6260 Epoch 35/499: 35%|███| 56/160 [05:51<10:43, 6.18s/it]print_dice: 0.5355308651924133
    , print_iou: 0.36568257212638855
6261 Epoch 35/499: 36%|███| 57/160 [05:57<10:35, 6.17s/it]print_dice: 0.5053359270095825
    , print_iou: 0.3380933403968811
6262 Epoch 35/499: 36%|███| 58/160 [06:03<10:29, 6.17s/it]print_dice: 0.5028947591781616

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6262 , print_iou: 0.33591142296791077
6263 Epoch 35/499: 37%|██████| 59/160 [06:09<10:22, 6.17s/it]print_dice: 0.5408114790916443
, print_iou: 0.370624840259552
6264 Epoch 35/499: 38%|██████| 60/160 [06:16<10:13, 6.13s/it]print_dice: 0.5140905976295471
, print_iou: 0.3459770977497101
6265 Epoch 35/499: 38%|██████| 61/160 [06:22<10:09, 6.16s/it]print_dice: 0.5325208902359009
, print_iou: 0.3628813922405243
6266 Epoch 35/499: 39%|██████| 62/160 [06:28<10:07, 6.20s/it]print_dice: 0.6136553287506104
, print_iou: 0.4426426887512207
6267 print_dice: 0.5523979663848877, print_iou: 0.3815951943397522
6268 Epoch 35/499: 40%|██████| 64/160 [06:40<09:52, 6.17s/it]print_dice: 0.6231672763824463
, print_iou: 0.45260927081108093
6269 Epoch 35/499: 41%|██████| 65/160 [06:47<09:46, 6.17s/it]print_dice: 0.5502555966377258
, print_iou: 0.37955355644226074
6270 print_dice: 0.5661842226982117, print_iou: 0.3948793411254883
6271 Epoch 35/499: 42%|██████| 67/160 [06:59<09:38, 6.22s/it]print_dice: 0.5412492156028748
, print_iou: 0.3710361123085022
6272 print_dice: 0.4745493531227112, print_iou: 0.3110879957675934
6273 Epoch 35/499: 43%|██████| 69/160 [07:11<09:24, 6.20s/it]print_dice: 0.
47788700461387634, print_iou: 0.3139629065990448
6274 Epoch 35/499: 44%|██████| 70/160 [07:18<09:16, 6.19s/it]print_dice: 0.4863511919975281
, print_iou: 0.32131046056747437
6275 Epoch 35/499: 44%|██████| 71/160 [07:24<09:16, 6.25s/it]print_dice: 0.5973828434944153
, print_iou: 0.42590585350990295
6276 print_dice: 0.5115798711776733, print_iou: 0.3437066376209259
6277 Epoch 35/499: 46%|██████| 73/160 [07:36<08:58, 6.19s/it]print_dice: 0.4897797703742981
, print_iou: 0.32431015372276306
6278 print_dice: 0.5150769948959351, print_iou: 0.34687116742134094
6279 Epoch 35/499: 47%|██████| 75/160 [07:49<08:45, 6.18s/it]print_dice: 0.4963699281215668
, print_iou: 0.3301143944263458
6280 print_dice: 0.4998091459274292, print_iou: 0.33316370844841003
6281 Epoch 35/499: 48%|██████| 77/160 [08:01<08:33, 6.19s/it]print_dice: 0.579771876335144
, print_iou: 0.408224493265152
6282 Epoch 35/499: 49%|██████| 78/160 [08:07<08:28, 6.20s/it]print_dice: 0.5608323216438293
, print_iou: 0.38969215750694275
6283 Epoch 35/499: 49%|██████| 79/160 [08:14<08:26, 6.25s/it]print_dice: 0.5100768208503723
, print_iou: 0.3423510789871216
6284 print_dice: 0.4697636365890503, print_iou: 0.3069876432418823
6285 Epoch 35/499: 51%|██████| 81/160 [08:26<08:09, 6.19s/it]print_dice: 0.4495498239994049
, print_iou: 0.2899479269981384
6286 Epoch 35/499: 51%|██████| 82/160 [08:32<08:02, 6.19s/it]print_dice: 0.5960789322853088
, print_iou: 0.42458152770996094
6287 Epoch 35/499: 52%|██████| 83/160 [08:38<07:54, 6.17s/it]print_dice: 0.6097403764724731
, print_iou: 0.4385802149772644
6288 print_dice: 0.5281681418418884, print_iou: 0.3588508367538452
6289 Epoch 35/499: 53%|██████| 85/160 [08:51<07:44, 6.19s/it]print_dice: 0.4429212212562561
, print_iou: 0.2844565212726593
6290 Epoch 35/499: 54%|██████| 86/160 [08:57<07:40, 6.22s/it]print_dice: 0.6020708084106445
, print_iou: 0.4306876063346863
6291 Epoch 35/499: 54%|██████| 87/160 [09:03<07:33, 6.21s/it]print_dice: 0.5881762504577637
, print_iou: 0.41660740971565247
6292 Epoch 35/499: 55%|██████| 88/160 [09:09<07:27, 6.22s/it]print_dice: 0.5360458493232727
, print_iou: 0.3661629855632782
6293 Epoch 35/499: 56%|██████| 89/160 [09:15<07:20, 6.21s/it]print_dice: 0.5497003793716431
, print_iou: 0.3790253698825836
6294 print_dice: 0.5698904395103455, print_iou: 0.39849427342414856
6295 Epoch 35/499: 57%|██████| 91/160 [09:28<07:06, 6.18s/it]print_dice: 0.5330435633659363
, print_iou: 0.3633670210838318
6296 print_dice: 0.5412625074386597, print_iou: 0.37104862928390503
6297 Epoch 35/499: 58%|██████| 93/160 [09:40<06:52, 6.15s/it]print_dice: 0.4690008759498596
, print_iou: 0.3063364624977112
6298 Epoch 35/499: 59%|██████| 94/160 [09:46<06:44, 6.14s/it]print_dice: 0.
48567572236061096, print_iou: 0.3207210898399353
6299 Epoch 35/499: 59%|██████| 95/160 [09:53<06:45, 6.24s/it]print_dice: 0.5213278532028198
, print_iou: 0.35256487131118774
6300 Epoch 35/499: 60%|██████| 96/160 [09:59<06:38, 6.23s/it]print_dice: 0.5157783031463623
, print_iou: 0.3475075960159302
6301 Epoch 35/499: 61%|██████| 97/160 [10:05<06:31, 6.21s/it]print_dice: 0.5241139531135559
, print_iou: 0.35511818528175354
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6302 Epoch 35/499: 61%|███████| 98/160 [10:11<06:24, 6.20s/it]print_dice: 0.6114294528961182
, print_iou: 0.4403301179409027
6303 print_dice: 0.5142055153846741, print_iou: 0.3460811674594879
6304 Epoch 35/499: 62%|███████| 100/160 [10:23<06:09, 6.15s/it]print_dice: 0.
5488916635513306, print_iou: 0.37825682759284973
6305 print_dice: 0.4786488711833954, print_iou: 0.31462088227272034
6306 [100/160] eta: 0:06:14 time: 6.1867 data: 0.0007
6307 Epoch 35/499: 64%|███████| 102/160 [10:36<05:58, 6.18s/it]print_dice: 0.
5663643479347229, print_iou: 0.3950546085834503
6308 print_dice: 0.5189159512519836, print_iou: 0.35036224126815796
6309 Epoch 35/499: 65%|███████| 104/160 [10:48<05:49, 6.23s/it]print_dice: 0.
4921116232872009, print_iou: 0.3263581097126007
6310 Epoch 35/499: 66%|███████| 105/160 [10:54<05:41, 6.21s/it]print_dice: 0.
5190035700798035, print_iou: 0.35044217109680176
6311 Epoch 35/499: 66%|███████| 106/160 [11:01<05:36, 6.23s/it]print_dice: 0.
5617695450782776, print_iou: 0.39059773087501526
6312 Epoch 35/499: 67%|███████| 107/160 [11:07<05:32, 6.27s/it]print_dice: 0.
4818766117095947, print_iou: 0.3174159824848175
6313 Epoch 35/499: 68%|███████| 108/160 [11:13<05:24, 6.24s/it]print_dice: 0.
6018899083137512, print_iou: 0.4305025041103363
6314 Epoch 35/499: 68%|███████| 109/160 [11:19<05:17, 6.23s/it]print_dice: 0.
5641796588897705, print_iou: 0.3929319381713867
6315 Epoch 35/499: 69%|███████| 110/160 [11:26<05:10, 6.21s/it]print_dice: 0.
5800095796585083, print_iou: 0.40846019983291626
6316 Epoch 35/499: 69%|███████| 111/160 [11:32<05:05, 6.24s/it]print_dice: 0.506090521812439
, print_iou: 0.33876919746398926
6317 print_dice: 0.5688768625259399, print_iou: 0.3975037932395935
6318 Epoch 35/499: 71%|███████| 113/160 [11:44<04:52, 6.22s/it]print_dice: 0.
5497241020202637, print_iou: 0.3790479302406311
6319 print_dice: 0.5042559504508972, print_iou: 0.3371271789073944
6320 Epoch 35/499: 72%|███████| 115/160 [11:57<04:41, 6.27s/it]print_dice: 0.
5588098764419556, print_iou: 0.38774195313453674
6321 Epoch 35/499: 72%|███████| 116/160 [12:03<04:36, 6.28s/it]print_dice: 0.
5601627230644226, print_iou: 0.3890458643436432
6322 Epoch 35/499: 73%|███████| 117/160 [12:10<04:28, 6.25s/it]print_dice: 0.
5139450430870056, print_iou: 0.34584522247314453
6323 Epoch 35/499: 74%|███████| 118/160 [12:16<04:20, 6.21s/it]print_dice: 0.
5709421634674072, print_iou: 0.39952346682548523
6324 Epoch 35/499: 74%|███████| 119/160 [12:22<04:17, 6.27s/it]print_dice: 0.
4557819664478302, print_iou: 0.2951538860797882
6325 print_dice: 0.5445629358291626, print_iou: 0.3741576671600342
6326 Epoch 35/499: 76%|███████| 121/160 [12:35<04:05, 6.29s/it]print_dice: 0.
5505114197731018, print_iou: 0.37979698181152344
6327 Epoch 35/499: 76%|███████| 122/160 [12:41<03:56, 6.23s/it]print_dice: 0.512340784072876
, print_iou: 0.34439390897750854
6328 Epoch 35/499: 77%|███████| 123/160 [12:47<03:50, 6.22s/it]print_dice: 0.473064661026001
, print_iou: 0.30981317162513733
6329 Epoch 35/499: 78%|███████| 124/160 [12:53<03:43, 6.20s/it]print_dice: 0.
5667478442192078, print_iou: 0.3954278826713562
6330 Epoch 35/499: 78%|███████| 125/160 [12:59<03:39, 6.26s/it]print_dice: 0.
4653961658477783, print_iou: 0.3032679557800293
6331 Epoch 35/499: 79%|███████| 126/160 [13:06<03:33, 6.28s/it]print_dice: 0.
5870620012283325, print_iou: 0.4154902696609497
6332 Epoch 35/499: 79%|███████| 127/160 [13:12<03:27, 6.28s/it]print_dice: 0.
5287773609161377, print_iou: 0.3594135642051697
6333 print_dice: 0.5839799642562866, print_iou: 0.41240939497947693
6334 Epoch 35/499: 81%|███████| 129/160 [13:25<03:14, 6.28s/it]print_dice: 0.
5516587495803833, print_iou: 0.38089001178741455
6335 Epoch 35/499: 81%|███████| 130/160 [13:31<03:07, 6.26s/it]print_dice: 0.
5884924530982971, print_iou: 0.41692474484443665
6336 Epoch 35/499: 82%|███████| 131/160 [13:37<03:00, 6.21s/it]print_dice: 0.
5371204018592834, print_iou: 0.36716651916503906
6337 Epoch 35/499: 82%|███████| 132/160 [13:43<02:53, 6.19s/it]print_dice: 0.
4945134222507477, print_iou: 0.32847416400909424
6338 print_dice: 0.5280815958976746, print_iou: 0.3587709963321686
6339 Epoch 35/499: 84%|███████| 134/160 [13:55<02:40, 6.19s/it]print_dice: 0.
48173466324806213, print_iou: 0.3172927796840668
6340 print_dice: 0.5142471194267273, print_iou: 0.34611889719963074
6341 Epoch 35/499: 85%|███████| 136/160 [14:08<02:28, 6.20s/it]print_dice: 0.

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6341 5698663592338562, print_iou: 0.3984707295894623
6342 Epoch 35/499: 86%|██████████| 137/160 [14:14<02:22, 6.22s/it]print_dice: 0.
4151047468185425, print_iou: 0.2619130611419678
6343 print_dice: 0.46193942427635193, print_iou: 0.30033889412879944
6344 Epoch 35/499: 87%|██████████| 139/160 [14:27<02:12, 6.30s/it]print_dice: 0.
5415465235710144, print_iou: 0.3713155686855316
6345 Epoch 35/499: 88%|██████████| 140/160 [14:33<02:05, 6.28s/it]print_dice: 0.
4437137246131897, print_iou: 0.28511062264442444
6346 Epoch 35/499: 88%|██████████| 141/160 [14:39<01:59, 6.30s/it]print_dice: 0.
5631738305091858, print_iou: 0.3919568657875061
6347 print_dice: 0.5621552467346191, print_iou: 0.39097076654434204
6348 Epoch 35/499: 89%|██████████| 143/160 [14:52<01:47, 6.32s/it]print_dice: 0.
5058753490447998, print_iou: 0.33857640624046326
6349 Epoch 35/499: 90%|██████████| 144/160 [14:58<01:40, 6.30s/it]print_dice: 0.
46805351972579956, print_iou: 0.3055286407470703
6350 Epoch 35/499: 91%|██████████| 145/160 [15:05<01:34, 6.32s/it]print_dice: 0.
49731239676475525, print_iou: 0.3309486210346222
6351 Epoch 35/499: 91%|██████████| 146/160 [15:11<01:28, 6.34s/it]print_dice: 0.
5567439794540405, print_iou: 0.3857555389404297
6352 print_dice: 0.42815667390823364, print_iou: 0.2723914384841919
6353 Epoch 35/499: 92%|██████████| 148/160 [15:23<01:15, 6.27s/it]print_dice: 0.
6197955012321472, print_iou: 0.4490606188774109
6354 Epoch 35/499: 93%|██████████| 149/160 [15:30<01:08, 6.21s/it]print_dice: 0.
5162541270256042, print_iou: 0.34793969988822937
6355 print_dice: 0.44810858368873596, print_iou: 0.28874996304512024
6356 Epoch 35/499: 94%|██████████| 151/160 [15:42<00:56, 6.26s/it]print_dice: 0.57125324010849
, print_iou: 0.399828165769577
6357 Epoch 35/499: 95%|██████████| 152/160 [15:48<00:50, 6.26s/it]print_dice: 0.
5390165448188782, print_iou: 0.36894088983535767
6358 print_dice: 0.514594554901123, print_iou: 0.34643375873565674
6359 Epoch 35/499: 96%|██████████| 154/160 [16:01<00:37, 6.31s/it]print_dice: 0.
5472801327705383, print_iou: 0.3767279386520386
6360 print_dice: 0.5060548782348633, print_iou: 0.33873724937438965
6361 Epoch 35/499: 98%|██████████| 156/160 [16:14<00:25, 6.27s/it]print_dice: 0.
5052991509437561, print_iou: 0.3380604088306427
6362 print_dice: 0.4751147925853729, print_iou: 0.31157413125038147
6363 Epoch 35/499: 99%|██████████| 158/160 [16:26<00:12, 6.23s/it]print_dice: 0.
5544106960296631, print_iou: 0.3835188150405884
6364 print_dice: 0.446112722158432, print_iou: 0.2870946526527405
6365 Epoch 35/499: 100%|██████████| 160/160 [16:38<00:00, 6.22s/it]print_dice: 0.
49164503812789917, print_iou: 0.3259478211402893
6366 [159/160] eta: 0:00:06 time: 6.2705 data: 0.0005
6367 Epoch 35/499: 100%|██████████| 160/160 [16:39<00:00, 6.25s/it]
6368 Total time: 0:16:39 (6.2488 s / it)
6369 Averaged stats: training_loss: 155.0052 (155.0052) loss_mask: 154.6424 (154.6424)
loss_dice: 0.3629 (0.3629)
6370 Net parameter norm: 1053.8387418804923
6371 Validating...
6372 Valid_dataloader len: 12
6373 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
sigmoid values: tensor([2.5304e-04, 2.5917e-04, 2.6011e-04, ..., 1.0000e+00, 1.0000e+00,
6374 1.0000e+00], grad_fn=<Unique2Backward0>)
6375 8%|██████████| 1/12 [00:09<01:39, 9.03s/it]print_dice: 0.5677063465118408, print_iou: 0.
39636167883872986
6376 [ 0/12] eta: 0:01:48 time: 9.0270 data: 4.8044
6377 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2387e-04, 2.
2671e-04, 2.2775e-04, ..., 1.0000e+00, 1.0000e+00,
6378 1.0000e+00], grad_fn=<Unique2Backward0>)
6379 17%|██████████| 2/12 [00:13<01:01, 6.19s/it]print_dice: 0.6132668852806091, print_iou: 0.
44223859906196594
6380 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.5295e-04, 2.
5921e-04, 2.6003e-04, ..., 1.0000e+00, 1.0000e+00,
6381 1.0000e+00], grad_fn=<Unique2Backward0>)
6382 25%|██████████| 3/12 [00:17<00:47, 5.23s/it]print_dice: 0.5413895845413208, print_iou: 0.
37116801738739014
6383 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.1592e-04, 3.
1599e-04, 3.2051e-04, ..., 1.0000e+00, 1.0000e+00,
6384 1.0000e+00], grad_fn=<Unique2Backward0>)
6385 33%|██████████| 4/12 [00:21<00:38, 4.79s/it]print_dice: 0.5266493558883667, print_iou: 0.

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6385 35745009779930115
6386 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.5312e-04, 2.
5924e-04, 2.6015e-04, ..., 1.0000e+00, 1.0000e+00,
6387 1.0000e+00], grad_fn=<Unique2Backward0>)
6388 42%|███████| 5/12 [00:25<00:31, 4.54s/it]print_dice: 0.5853478908538818, print_iou: 0.
41377517580986023
6389 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.5302e-04, 2.
5923e-04, 2.6011e-04, ..., 1.0000e+00, 1.0000e+00,
6390 1.0000e+00], grad_fn=<Unique2Backward0>)
6391 print_dice: 0.5160225629806519, print_iou: 0.3477293848991394
6392 50%|███████| 6/12 [00:29<00:26, 4.43s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.1151e-04, 2.1685e-04, 2.1796e-04, ..., 1.0000e+00, 1.
0000e+00,
6393 1.0000e+00], grad_fn=<Unique2Backward0>)
6394 58%|███████| 7/12 [00:34<00:21, 4.37s/it]print_dice: 0.4392431378364563, print_iou: 0.
28142958879470825
6395 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.3229e-04, 5.
7923e-04, 5.8876e-04, ..., 9.9998e-01, 9.9998e-01,
6396 9.9998e-01], grad_fn=<Unique2Backward0>)
6397 67%|███████| 8/12 [00:38<00:17, 4.29s/it]print_dice: 0.5537633895874023, print_iou: 0.
38289955258369446
6398 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.1130e-04, 7.
1270e-04, 7.2013e-04, ..., 9.9998e-01, 9.9998e-01,
6399 9.9998e-01], grad_fn=<Unique2Backward0>)
6400 75%|███████| 9/12 [00:42<00:12, 4.28s/it]print_dice: 0.5709247589111328, print_iou: 0.
39950641989707947
6401 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.5300e-04, 2.
5917e-04, 2.6006e-04, ..., 1.0000e+00, 1.0000e+00,
6402 1.0000e+00], grad_fn=<Unique2Backward0>)
6403 83%|███████| 10/12 [00:46<00:08, 4.20s/it]print_dice: 0.5849047899246216, print_iou: 0
.41333243250846863
6404 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.5776e-04, 1.
6212e-04, 1.6519e-04, ..., 1.0000e+00, 1.0000e+00,
6405 1.0000e+00], grad_fn=<Unique2Backward0>)
6406 92%|███████| 11/12 [00:50<00:04, 4.16s/it]print_dice: 0.6224660277366638, print_iou: 0
.4518698453903198
6407 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.3645e-04, 2.
4136e-04, 2.4226e-04, ..., 1.0000e+00, 1.0000e+00,
6408 1.0000e+00], grad_fn=<Unique2Backward0>)
6409 100%|███████| 12/12 [00:54<00:00, 4.12s/it]print_dice: 0.585702657699585, print_iou: 0.
41412976384162903
6410 [11/12] eta: 0:00:04 time: 4.5411 data: 0.4009
6411 100%|███████| 12/12 [00:54<00:00, 4.58s/it]
6412 Total time: 0:00:54 (4.5798 s / it)
6413 =====
6414 Averaged stats:
6415 epoch: 36 learning rate: 1e-07
6416 Epoch 36/499: 1%|███████| 1/160 [00:10<28:16, 10.67s/it]print_dice: 0.4611293077468872
, print_iou: 0.29965436458587646
6417 [ 0/160] eta: 0:28:27 time: 10.6725 data: 4.2777
6418 print_dice: 0.6095971465110779, print_iou: 0.4384320080280304
6419 Epoch 36/499: 2%|███████| 3/160 [00:22<18:42, 7.15s/it]print_dice: 0.5297002792358398
, print_iou: 0.36026686429977417
6420 print_dice: 0.5284748673439026, print_iou: 0.35913410782814026
6421 Epoch 36/499: 3%|███████| 5/160 [00:35<16:55, 6.55s/it]print_dice: 0.5660712718963623
, print_iou: 0.39476945996284485
6422 Epoch 36/499: 4%|███████| 6/160 [00:41<16:26, 6.41s/it]print_dice: 0.55599445104599
, print_iou: 0.3850362300872803
6423 Epoch 36/499: 4%|███████| 7/160 [00:47<16:11, 6.35s/it]print_dice: 0.4922178089618683
, print_iou: 0.32645151019096375
6424 print_dice: 0.5493152141571045, print_iou: 0.3786592483520508
6425 Epoch 36/499: 6%|███████| 9/160 [00:59<15:43, 6.25s/it]print_dice: 0.5254754424095154
, print_iou: 0.35636940598487854
6426 print_dice: 0.4892701506614685, print_iou: 0.3238634467124939
6427 Epoch 36/499: 7%|███████| 11/160 [01:12<15:28, 6.23s/it]print_dice: 0.5951715111732483
, print_iou: 0.42366132140159607
6428 print_dice: 0.5462771654129028, print_iou: 0.37577807903289795
6429 Epoch 36/499: 8%|███████| 13/160 [01:24<15:10, 6.20s/it]print_dice: 0.5791406631469727
, print_iou: 0.4075988829135895

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6430 Epoch 36/499: 9%|█          | 14/160 [01:30<15:04, 6.20s/it]print_dice: 0.4713527262210846
, print_iou: 0.30834630131721497
6431 Epoch 36/499: 9%|█          | 15/160 [01:37<15:00, 6.21s/it]print_dice: 0.
49045950174331665, print_iou: 0.32490649819374084
6432 Epoch 36/499: 10%|█         | 16/160 [01:43<14:59, 6.25s/it]print_dice: 0.5184786319732666
, print_iou: 0.3499636650085449
6433 Epoch 36/499: 11%|█         | 17/160 [01:49<14:46, 6.20s/it]print_dice: 0.4495603144168854
, print_iou: 0.289956659078598
6434 Epoch 36/499: 11%|█         | 18/160 [01:55<14:36, 6.18s/it]print_dice: 0.492461621761322
, print_iou: 0.32666605710983276
6435 Epoch 36/499: 12%|█         | 19/160 [02:02<14:34, 6.20s/it]print_dice: 0.5171517133712769
, print_iou: 0.3487556576728821
6436 Epoch 36/499: 12%|█         | 20/160 [02:08<14:25, 6.18s/it]print_dice: 0.
47960615158081055, print_iou: 0.3154486417770386
6437 print_dice: 0.4433956444263458, print_iou: 0.28484800457954407
6438 Epoch 36/499: 14%|█        | 22/160 [02:20<14:24, 6.27s/it]print_dice: 0.6113568544387817
, print_iou: 0.4402548670768738
6439 print_dice: 0.5481209754943848, print_iou: 0.3775252401828766
6440 Epoch 36/499: 15%|█        | 24/160 [02:33<14:05, 6.21s/it]print_dice: 0.5437464714050293
, print_iou: 0.3733872175216675
6441 Epoch 36/499: 16%|█        | 25/160 [02:39<13:56, 6.19s/it]print_dice: 0.6100989580154419
, print_iou: 0.43895137310028076
6442 Epoch 36/499: 16%|█        | 26/160 [02:45<13:47, 6.18s/it]print_dice: 0.550727128982544
, print_iou: 0.3800024092197418
6443 Epoch 36/499: 17%|█        | 27/160 [02:51<13:42, 6.18s/it]print_dice: 0.5901451110839844
, print_iou: 0.4185856878757477
6444 Epoch 36/499: 18%|█        | 28/160 [02:57<13:33, 6.16s/it]print_dice: 0.5949830412864685
, print_iou: 0.4234703779220581
6445 Epoch 36/499: 18%|█        | 29/160 [03:03<13:25, 6.15s/it]print_dice: 0.5564342141151428
, print_iou: 0.3854581415653229
6446 Epoch 36/499: 19%|█        | 30/160 [03:10<13:22, 6.17s/it]print_dice: 0.5205225944519043
, print_iou: 0.3518286943435669
6447 Epoch 36/499: 19%|█        | 31/160 [03:16<13:24, 6.24s/it]print_dice: 0.5681203603744507
, print_iou: 0.39676547050476074
6448 Epoch 36/499: 20%|█        | 32/160 [03:22<13:19, 6.25s/it]print_dice: 0.5153762102127075
, print_iou: 0.34714260697364807
6449 Epoch 36/499: 21%|█        | 33/160 [03:29<13:15, 6.26s/it]print_dice: 0.504225492477417
, print_iou: 0.33709993958473206
6450 print_dice: 0.5569801926612854, print_iou: 0.38598233461380005
6451 Epoch 36/499: 22%|█        | 35/160 [03:41<12:58, 6.23s/it]print_dice: 0.5065854787826538
, print_iou: 0.33921289443969727
6452 Epoch 36/499: 22%|█        | 36/160 [03:47<12:48, 6.20s/it]print_dice: 0.
47982415556907654, print_iou: 0.3156372904777527
6453 print_dice: 0.514925479888916, print_iou: 0.34673377871513367
6454 Epoch 36/499: 24%|█        | 38/160 [04:00<12:38, 6.21s/it]print_dice: 0.5416359901428223
, print_iou: 0.3713997006416321
6455 Epoch 36/499: 24%|█        | 39/160 [04:06<12:28, 6.18s/it]print_dice: 0.
47403913736343384, print_iou: 0.3106496036052704
6456 Epoch 36/499: 25%|█        | 40/160 [04:12<12:18, 6.15s/it]print_dice: 0.5692989826202393
, print_iou: 0.39791613817214966
6457 Epoch 36/499: 26%|█        | 41/160 [04:18<12:13, 6.17s/it]print_dice: 0.5574392080307007
, print_iou: 0.38642337918281555
6458 Epoch 36/499: 26%|█        | 42/160 [04:24<12:10, 6.19s/it]print_dice: 0.5800102949142456
, print_iou: 0.4084608852863312
6459 Epoch 36/499: 27%|█        | 43/160 [04:31<12:08, 6.22s/it]print_dice: 0.5554895401000977
, print_iou: 0.38455212116241455
6460 Epoch 36/499: 28%|█        | 44/160 [04:37<12:04, 6.25s/it]print_dice: 0.4927818477153778
, print_iou: 0.3269479274749756
6461 Epoch 36/499: 28%|█        | 45/160 [04:43<11:55, 6.22s/it]print_dice: 0.6117412447929382
, print_iou: 0.44065362215042114
6462 Epoch 36/499: 29%|█        | 46/160 [04:49<11:48, 6.22s/it]print_dice: 0.5936421751976013
, print_iou: 0.42211318016052246
6463 Epoch 36/499: 29%|█        | 47/160 [04:55<11:40, 6.20s/it]print_dice: 0.5589725375175476
, print_iou: 0.38789862394332886
6464 Epoch 36/499: 30%|█        | 48/160 [05:01<11:30, 6.16s/it]print_dice: 0.51747727394104
, print_iou: 0.3490518033504486
6465 Epoch 36/499: 31%|█        | 49/160 [05:08<11:20, 6.13s/it]print_dice: 0.5266166925430298
, print_iou: 0.35742002725601196
6466 print_dice: 0.48009535670280457, print_iou: 0.3158720135688782

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6467 Epoch 36/499: 32%|██████| 51/160 [05:20<11:11, 6.16s/it]print_dice: 0.463956743478775
, print_iou: 0.30204665660858154
6468 print_dice: 0.49213680624961853, print_iou: 0.32638028264045715
6469 Epoch 36/499: 33%|██████| 53/160 [05:32<11:05, 6.22s/it]print_dice: 0.5277888178825378
, print_iou: 0.35850077867507935
6470 print_dice: 0.5607457756996155, print_iou: 0.38960859179496765
6471 Epoch 36/499: 34%|██████| 55/160 [05:45<10:49, 6.19s/it]print_dice: 0.5296323895454407
, print_iou: 0.3602041006088257
6472 print_dice: 0.5578811764717102, print_iou: 0.3868483006954193
6473 Epoch 36/499: 36%|██████| 57/160 [05:57<10:39, 6.21s/it]print_dice: 0.5069926977157593
, print_iou: 0.33957818150520325
6474 print_dice: 0.4898098111152649, print_iou: 0.32433652877807617
6475 Epoch 36/499: 37%|██████| 59/160 [06:09<10:23, 6.18s/it]print_dice: 0.5787006616592407
, print_iou: 0.4071631133556366
6476 Epoch 36/499: 38%|██████| 60/160 [06:15<10:14, 6.14s/it]print_dice: 0.4640675187110901
, print_iou: 0.30214056372642517
6477 print_dice: 0.5141696929931641, print_iou: 0.3460487425327301
6478 Epoch 36/499: 39%|██████| 62/160 [06:28<10:05, 6.18s/it]print_dice: 0.4809935688972473
, print_iou: 0.3166501224040985
6479 Epoch 36/499: 39%|██████| 63/160 [06:34<10:01, 6.20s/it]print_dice: 0.6437734365463257
, print_iou: 0.4746798872947693
6480 Epoch 36/499: 40%|██████| 64/160 [06:40<09:50, 6.15s/it]print_dice: 0.5572142601013184
, print_iou: 0.3862071931362152
6481 Epoch 36/499: 41%|██████| 65/160 [06:46<09:43, 6.14s/it]print_dice: 0.5236002802848816
, print_iou: 0.3546467125415802
6482 print_dice: 0.49698328971862793, print_iou: 0.3306571841239929
6483 Epoch 36/499: 42%|██████| 67/160 [06:59<09:36, 6.19s/it]print_dice: 0.5091520547866821
, print_iou: 0.34151843190193176
6484 Epoch 36/499: 42%|██████| 68/160 [07:05<09:26, 6.16s/it]print_dice: 0.4965098798274994
, print_iou: 0.3302381932735443
6485 Epoch 36/499: 43%|██████| 69/160 [07:11<09:17, 6.12s/it]print_dice: 0.5087868571281433
, print_iou: 0.3411898910999298
6486 Epoch 36/499: 44%|██████| 70/160 [07:17<09:12, 6.14s/it]print_dice: 0.5975468158721924
, print_iou: 0.42607253789901733
6487 Epoch 36/499: 44%|██████| 71/160 [07:23<09:09, 6.18s/it]print_dice: 0.4622403383255005
, print_iou: 0.3005933463573456
6488 Epoch 36/499: 45%|██████| 72/160 [07:30<09:03, 6.18s/it]print_dice: 0.5786951184272766
, print_iou: 0.4071575999259949
6489 Epoch 36/499: 46%|██████| 73/160 [07:36<09:03, 6.25s/it]print_dice: 0.5251498222351074
, print_iou: 0.35606998205184937
6490 Epoch 36/499: 46%|██████| 74/160 [07:42<08:57, 6.25s/it]print_dice: 0.4959172010421753
, print_iou: 0.3297140300273895
6491 Epoch 36/499: 47%|██████| 75/160 [07:48<08:50, 6.25s/it]print_dice: 0.6219756603240967
, print_iou: 0.45135316252708435
6492 Epoch 36/499: 48%|██████| 76/160 [07:55<08:43, 6.23s/it]print_dice: 0.5353010296821594
, print_iou: 0.36546826362609863
6493 print_dice: 0.5212548971176147, print_iou: 0.3524981439113617
6494 Epoch 36/499: 49%|██████| 78/160 [08:07<08:29, 6.21s/it]print_dice: 0.5176909565925598
, print_iou: 0.3492463231086731
6495 Epoch 36/499: 49%|██████| 79/160 [08:13<08:26, 6.25s/it]print_dice: 0.4976752698421478
, print_iou: 0.33127009868621826
6496 Epoch 36/499: 50%|██████| 80/160 [08:20<08:21, 6.27s/it]print_dice: 0.5742835998535156
, print_iou: 0.402803510427475
6497 Epoch 36/499: 51%|██████| 81/160 [08:26<08:15, 6.27s/it]print_dice: 0.5016929507255554
, print_iou: 0.33483991026878357
6498 Epoch 36/499: 51%|██████| 82/160 [08:32<08:10, 6.28s/it]print_dice: 0.5412806272506714
, print_iou: 0.371065616607666
6499 Epoch 36/499: 52%|██████| 83/160 [08:39<08:07, 6.33s/it]print_dice: 0.5780907273292542
, print_iou: 0.4065595269203186
6500 Epoch 36/499: 52%|██████| 84/160 [08:45<07:57, 6.28s/it]print_dice: 0.5316411852836609
, print_iou: 0.362064927816391
6501 print_dice: 0.5343557596206665, print_iou: 0.36458760499954224
6502 Epoch 36/499: 54%|██████| 86/160 [08:57<07:42, 6.25s/it]print_dice: 0.4294927418231964
, print_iou: 0.27347391843795776
6503 print_dice: 0.4725363850593567, print_iou: 0.309360146522522
6504 Epoch 36/499: 55%|██████| 88/160 [09:09<07:24, 6.17s/it]print_dice: 0.5354701280593872
, print_iou: 0.36562594771385193
6505 Epoch 36/499: 56%|██████| 89/160 [09:16<07:22, 6.23s/it]print_dice: 0.5688226222991943
, print_iou: 0.3974508047103882
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6506 Epoch 36/499: 56%|███████| 90/160 [09:22<07:13, 6.20s/it]print_dice: 0.5460547804832458
, print_iou: 0.37556761503219604
6507 print_dice: 0.5141756534576416, print_iou: 0.34605416655540466
6508 Epoch 36/499: 57%|███████| 92/160 [09:34<07:03, 6.23s/it]print_dice: 0.5280985236167908
, print_iou: 0.35878661274909973
6509 Epoch 36/499: 58%|███████| 93/160 [09:41<06:54, 6.18s/it]print_dice: 0.4982900321483612
, print_iou: 0.33181509375572205
6510 Epoch 36/499: 59%|███████| 94/160 [09:47<06:46, 6.16s/it]print_dice: 0.
48620930314064026, print_iou: 0.3211866021156311
6511 Epoch 36/499: 59%|███████| 95/160 [09:53<06:40, 6.15s/it]print_dice: 0.5244048237800598
, print_iou: 0.35538530349731445
6512 Epoch 36/499: 60%|███████| 96/160 [09:59<06:34, 6.16s/it]print_dice: 0.546349048614502
, print_iou: 0.37584611773490906
6513 Epoch 36/499: 61%|███████| 97/160 [10:05<06:32, 6.22s/it]print_dice: 0.5395246148109436
, print_iou: 0.36941710114479065
6514 Epoch 36/499: 61%|███████| 98/160 [10:11<06:24, 6.20s/it]print_dice: 0.
44755780696868896, print_iou: 0.2882927358150482
6515 Epoch 36/499: 62%|███████| 99/160 [10:18<06:19, 6.21s/it]print_dice: 0.5855430364608765
, print_iou: 0.4139702022075653
6516 Epoch 36/499: 62%|███████| 100/160 [10:24<06:12, 6.20s/it]print_dice: 0.
46572425961494446, print_iou: 0.30354663729667664
6517 Epoch 36/499: 63%|███████| 101/160 [10:30<06:06, 6.20s/it]print_dice: 0.
5818990468978882, print_iou: 0.41033685207366943
6518 [100/160] eta: 0:06:14 time: 6.2071 data: 0.0004
6519 Epoch 36/499: 64%|███████| 102/160 [10:36<05:59, 6.20s/it]print_dice: 0.
5446777939796448, print_iou: 0.374266117811203
6520 Epoch 36/499: 64%|███████| 103/160 [10:42<05:52, 6.18s/it]print_dice: 0.
5397628545761108, print_iou: 0.3696405589580536
6521 Epoch 36/499: 65%|███████| 104/160 [10:49<05:46, 6.19s/it]print_dice: 0.
4995495080947876, print_iou: 0.3329330086708069
6522 Epoch 36/499: 66%|███████| 105/160 [10:55<05:40, 6.18s/it]print_dice: 0.
5498408079147339, print_iou: 0.3791589140892029
6523 Epoch 36/499: 66%|███████| 106/160 [11:01<05:33, 6.17s/it]print_dice: 0.
41792669892311096, print_iou: 0.26416394114494324
6524 Epoch 36/499: 67%|███████| 107/160 [11:07<05:29, 6.22s/it]print_dice: 0.
5400545001029968, print_iou: 0.36991414427757263
6525 print_dice: 0.47178778052330017, print_iou: 0.3087187707424164
6526 Epoch 36/499: 68%|███████| 109/160 [11:20<05:14, 6.17s/it]print_dice: 0.
5950655341148376, print_iou: 0.4235539436340332
6527 Epoch 36/499: 69%|███████| 110/160 [11:26<05:09, 6.19s/it]print_dice: 0.
5471792221069336, print_iou: 0.3766322731971741
6528 print_dice: 0.5695585012435913, print_iou: 0.39816975593566895
6529 Epoch 36/499: 70%|███████| 112/160 [11:38<04:57, 6.21s/it]print_dice: 0.
5049425363540649, print_iou: 0.33774125576019287
6530 Epoch 36/499: 71%|███████| 113/160 [11:45<04:54, 6.26s/it]print_dice: 0.
5838143825531006, print_iou: 0.4122442305088043
6531 Epoch 36/499: 71%|███████| 114/160 [11:51<04:47, 6.24s/it]print_dice: 0.
5131118297576904, print_iou: 0.3450910747051239
6532 print_dice: 0.5122977495193481, print_iou: 0.344355046749115
6533 Epoch 36/499: 72%|███████| 116/160 [12:03<04:33, 6.21s/it]print_dice: 0.
5401999950408936, print_iou: 0.37005069851875305
6534 Epoch 36/499: 73%|███████| 117/160 [12:09<04:26, 6.19s/it]print_dice: 0.
5394959449768066, print_iou: 0.36939024925231934
6535 print_dice: 0.5034493207931519, print_iou: 0.3364064693450928
6536 Epoch 36/499: 74%|███████| 119/160 [12:22<04:20, 6.34s/it]print_dice: 0.
46783578395843506, print_iou: 0.3053431212902069
6537 Epoch 36/499: 75%|███████| 120/160 [12:28<04:12, 6.31s/it]print_dice: 0.
5868569612503052, print_iou: 0.4152849018573761
6538 Epoch 36/499: 76%|███████| 121/160 [12:35<04:04, 6.27s/it]print_dice: 0.
5905406475067139, print_iou: 0.4189838171005249
6539 Epoch 36/499: 76%|███████| 122/160 [12:41<03:56, 6.23s/it]print_dice: 0.
4996965229511261, print_iou: 0.33306363224983215
6540 print_dice: 0.6162705421447754, print_iou: 0.4453692138195038
6541 Epoch 36/499: 78%|███████| 124/160 [12:53<03:42, 6.19s/it]print_dice: 0.
5338830351829529, print_iou: 0.3641476333141327
6542 Epoch 36/499: 78%|███████| 125/160 [12:59<03:36, 6.18s/it]print_dice: 0.
4743655323982239, print_iou: 0.3109300136566162
6543 Epoch 36/499: 79%|███████| 126/160 [13:05<03:29, 6.17s/it]print_dice: 0.
4766777753829956, print_iou: 0.31291985511779785

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6544 Epoch 36/499: 79%|██████████| 127/160 [13:12<03:23, 6.16s/it]print_dice: 0.
45050349831581116, print_iou: 0.29074186086654663
6545 Epoch 36/499: 80%|██████████| 128/160 [13:18<03:17, 6.16s/it]print_dice: 0.
5359764099121094, print_iou: 0.36609819531440735
6546 Epoch 36/499: 81%|██████████| 129/160 [13:24<03:11, 6.18s/it]print_dice: 0.
41778039932250977, print_iou: 0.2640470266342163
6547 Epoch 36/499: 81%|██████████| 130/160 [13:30<03:04, 6.14s/it]print_dice: 0.
5787156224250793, print_iou: 0.4071778953075409
6548 Epoch 36/499: 82%|██████████| 131/160 [13:36<02:58, 6.15s/it]print_dice: 0.
5553521513938904, print_iou: 0.3844204246997833
6549 print_dice: 0.514824390411377, print_iou: 0.3466421067714691
6550 Epoch 36/499: 83%|██████████| 133/160 [13:48<02:45, 6.15s/it]print_dice: 0.
5675238370895386, print_iou: 0.3961838185787201
6551 Epoch 36/499: 84%|██████████| 134/160 [13:55<02:40, 6.18s/it]print_dice: 0.
47932612895965576, print_iou: 0.315206378698349
6552 Epoch 36/499: 84%|██████████| 135/160 [14:01<02:34, 6.18s/it]print_dice: 0.
5283781886100769, print_iou: 0.3590448200702667
6553 print_dice: 0.5406062006950378, print_iou: 0.3704320192337036
6554 Epoch 36/499: 86%|██████████| 137/160 [14:13<02:23, 6.23s/it]print_dice: 0.
5580502152442932, print_iou: 0.3870108425617218
6555 Epoch 36/499: 86%|██████████| 138/160 [14:20<02:17, 6.25s/it]print_dice: 0.
5630716681480408, print_iou: 0.3918578624725342
6556 print_dice: 0.511122465133667, print_iou: 0.34329381585121155
6557 Epoch 36/499: 88%|██████████| 140/160 [14:32<02:05, 6.26s/it]print_dice: 0.
5186392664909363, print_iou: 0.3501100242137909
6558 Epoch 36/499: 88%|██████████| 141/160 [14:38<01:58, 6.23s/it]print_dice: 0.
6188995838165283, print_iou: 0.4481206238269806
6559 Epoch 36/499: 89%|██████████| 142/160 [14:45<01:51, 6.21s/it]print_dice: 0.
5013715624809265, print_iou: 0.33455362915992737
6560 Epoch 36/499: 89%|██████████| 143/160 [14:51<01:45, 6.21s/it]print_dice: 0.
6008073091506958, print_iou: 0.4293957054615021
6561 Epoch 36/499: 90%|██████████| 144/160 [14:57<01:38, 6.17s/it]print_dice: 0.
5345293879508972, print_iou: 0.3647492825984955
6562 Epoch 36/499: 91%|██████████| 145/160 [15:03<01:32, 6.16s/it]print_dice: 0.
49879735708236694, print_iou: 0.3322651982307434
6563 print_dice: 0.5307211875915527, print_iou: 0.3612120449542999
6564 Epoch 36/499: 92%|██████████| 147/160 [15:15<01:20, 6.17s/it]print_dice: 0.
5536417365074158, print_iou: 0.38278326392173767
6565 Epoch 36/499: 92%|██████████| 148/160 [15:21<01:13, 6.14s/it]print_dice: 0.
49357497692108154, print_iou: 0.32764655351638794
6566 Epoch 36/499: 93%|██████████| 149/160 [15:28<01:07, 6.14s/it]print_dice: 0.
5271232724189758, print_iou: 0.3578869104385376
6567 print_dice: 0.5386704802513123, print_iou: 0.3686167299747467
6568 Epoch 36/499: 94%|██████████| 151/160 [15:40<00:55, 6.13s/it]print_dice: 0.
5578644871711731, print_iou: 0.38683220744132996
6569 print_dice: 0.5337517857551575, print_iou: 0.3640255331993103
6570 Epoch 36/499: 96%|██████████| 153/160 [15:52<00:43, 6.20s/it]print_dice: 0.
42920807003974915, print_iou: 0.27324309945106506
6571 print_dice: 0.4561493396759033, print_iou: 0.29546210169792175
6572 Epoch 36/499: 97%|██████████| 155/160 [16:05<00:31, 6.20s/it]print_dice: 0.
5662108659744263, print_iou: 0.3949052393436432
6573 Epoch 36/499: 98%|██████████| 156/160 [16:11<00:24, 6.17s/it]print_dice: 0.
5055547952651978, print_iou: 0.3382892608642578
6574 print_dice: 0.46743807196617126, print_iou: 0.305004358291626
6575 Epoch 36/499: 99%|██████████| 158/160 [16:23<00:12, 6.19s/it]print_dice: 0.444953054189682
, print_iou: 0.2861347794532776
6576 print_dice: 0.5656715631484985, print_iou: 0.3943808078765869
6577 Epoch 36/499: 100%|██████████| 160/160 [16:35<00:00, 6.11s/it]print_dice: 0.
4437553584575653, print_iou: 0.28514498472213745
6578 [159/160] eta: 0:00:06 time: 6.1599 data: 0.0004
6579 Epoch 36/499: 100%|██████████| 160/160 [16:36<00:00, 6.23s/it]
6580 Total time: 0:16:36 (6.2273 s / it)
6581 Averaged stats: training_loss: 154.7543 (154.7543) loss_mask: 154.1819 (154.1819)
loss_dice: 0.5724 (0.5724)
6582 Net parameter norm: 1053.8390718608862
6583 Validating...
6584 Valid_data_loader len: 12
6585 0%| | 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
sigmoid values: tensor([8.7516e-04, 8.8836e-04, 9.0046e-04, ..., 9.9997e-01, 9.9998e-01,

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6586          9.9998e-01], grad_fn=<Unique2Backward0>)
6587  8%|███████| 1/12 [00:08<01:28, 8.09s/it]print_dice: 0.5645312666893005, print_iou: 0.
39327314496040344
6588  [ 0/12] eta: 0:01:37 time: 8.0861 data: 3.8868
6589 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.5171e-04, 2.
5178e-04, 2.5702e-04, ..., 1.0000e+00, 1.0000e+00,
6590 1.0000e+00], grad_fn=<Unique2Backward0>)
6591 17%|███████| 2/12 [00:12<00:58, 5.87s/it]print_dice: 0.6153731942176819, print_iou: 0.
4444325566291809
6592 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.2453e-04, 6.
5452e-04, 6.5974e-04, ..., 9.9998e-01, 9.9998e-01,
6593 9.9998e-01], grad_fn=<Unique2Backward0>)
6594 25%|███████| 3/12 [00:16<00:45, 5.11s/it]print_dice: 0.5345712304115295, print_iou: 0.
364788293838501
6595 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([9.6711e-04, 1.
0525e-03, 1.0977e-03, ..., 9.9995e-01, 9.9996e-01,
6596 9.9996e-01], grad_fn=<Unique2Backward0>)
6597 33%|███████| 4/12 [00:20<00:37, 4.72s/it]print_dice: 0.5278865694999695, print_iou: 0.
3585909605026245
6598 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0010, 0.0011
, 0.0011, ..., 1.0000, 1.0000, 1.0000],
6599 grad_fn=<Unique2Backward0>)
6600 42%|███████| 5/12 [00:24<00:31, 4.51s/it]print_dice: 0.5802643895149231, print_iou: 0.
4087129831314087
6601 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.5168e-04, 2.
5193e-04, 2.5701e-04, ..., 1.0000e+00, 1.0000e+00,
6602 1.0000e+00], grad_fn=<Unique2Backward0>)
6603 print_dice: 0.512551486492157, print_iou: 0.3445843458175659
6604 50%|███████| 6/12 [00:29<00:26, 4.38s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([1.9957e-04, 2.1331e-04, 2.1377e-04, ..., 1.0000e+00, 1.
0000e+00,
6605 1.0000e+00], grad_fn=<Unique2Backward0>)
6606 58%|███████| 7/12 [00:33<00:21, 4.34s/it]print_dice: 0.4382885694503784, print_iou: 0.
28064632415771484
6607 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.5163e-04, 2.
5176e-04, 2.5692e-04, ..., 1.0000e+00, 1.0000e+00,
6608 1.0000e+00], grad_fn=<Unique2Backward0>)
6609 67%|███████| 8/12 [00:37<00:17, 4.26s/it]print_dice: 0.5521190166473389, print_iou: 0.
3813289999961853
6610 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.1448e-04, 2.
1921e-04, 2.1980e-04, ..., 1.0000e+00, 1.0000e+00,
6611 1.0000e+00], grad_fn=<Unique2Backward0>)
6612 75%|███████| 9/12 [00:41<00:12, 4.22s/it]print_dice: 0.5706316828727722, print_iou: 0.
3992195129394531
6613 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.5158e-04, 2.
5178e-04, 2.5687e-04, ..., 1.0000e+00, 1.0000e+00,
6614 1.0000e+00], grad_fn=<Unique2Backward0>)
6615 83%|███████| 10/12 [00:45<00:08, 4.19s/it]print_dice: 0.581640899181366, print_iou: 0.
4100801646709442
6616 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.5167e-04, 2.
5174e-04, 2.5696e-04, ..., 1.0000e+00, 1.0000e+00,
6617 1.0000e+00], grad_fn=<Unique2Backward0>)
6618 print_dice: 0.6213996410369873, print_iou: 0.4507467448711395
6619 92%|███████| 11/12 [00:49<00:04, 4.17s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.5169e-04, 2.5181e-04, 2.5697e-04, ..., 1.0000e+00, 1.
0000e+00,
6620 1.0000e+00], grad_fn=<Unique2Backward0>)
6621 100%|███████| 12/12 [00:53<00:00, 4.10s/it]print_dice: 0.5894919633865356, print_iou: 0
.4179288148880005
6622 [11/12] eta: 0:00:04 time: 4.4729 data: 0.3242
6623 100%|███████| 12/12 [00:54<00:00, 4.51s/it]
6624 Total time: 0:00:54 (4.5088 s / it)
6625 =====
6626 Averaged stats:
6627 Epoch 37/499: 0%|███████| 0/160 [00:00<?, ?it/s]epoch: 37 learning rate: 1e-07
6628 Epoch 37/499: 1%|███████| 1/160 [00:10<27:43, 10.46s/it]print_dice: 0.5086856484413147
, print_iou: 0.3410989046096802
6629 [ 0/160] eta: 0:27:53 time: 10.4605 data: 4.1040
6630 Epoch 37/499: 1%|███████| 2/160 [00:16<21:01, 7.98s/it]print_dice: 0.5188265442848206

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6630 , print_iou: 0.3502807319164276
6631 print_dice: 0.4532134234905243, print_iou: 0.2930032014846802
6632 Epoch 37/499: 2%|█          | 4/160 [00:29<17:37, 6.78s/it]print_dice: 0.5997716188430786
, print_iou: 0.4283384382724762
6633 Epoch 37/499: 3%|█          | 5/160 [00:35<16:57, 6.57s/it]print_dice: 0.5656481981277466
, print_iou: 0.3943580687046051
6634 print_dice: 0.5100386142730713, print_iou: 0.3423166573047638
6635 Epoch 37/499: 4%|█          | 7/160 [00:47<16:09, 6.33s/it]print_dice: 0.5674874782562256
, print_iou: 0.39614835381507874
6636 print_dice: 0.46522843837738037, print_iou: 0.3031255304813385
6637 Epoch 37/499: 6%|█          | 9/160 [00:59<15:37, 6.21s/it]print_dice: 0.4915976822376251
, print_iou: 0.3259062170982361
6638 print_dice: 0.5731757283210754, print_iou: 0.4017142951488495
6639 Epoch 37/499: 7%|█          | 11/160 [01:12<15:20, 6.18s/it]print_dice: 0.5222547650337219
, print_iou: 0.35341328382492065
6640 Epoch 37/499: 8%|█          | 12/160 [01:18<15:08, 6.14s/it]print_dice: 0.5481419563293457
, print_iou: 0.37754517793655396
6641 Epoch 37/499: 8%|█          | 13/160 [01:24<15:03, 6.15s/it]print_dice: 0.5026201009750366
, print_iou: 0.33566638827323914
6642 Epoch 37/499: 9%|█          | 14/160 [01:30<15:02, 6.18s/it]print_dice: 0.5082437992095947
, print_iou: 0.3407016694545746
6643 Epoch 37/499: 9%|█          | 15/160 [01:36<14:59, 6.20s/it]print_dice: 0.5405305027961731
, print_iou: 0.37036097049713135
6644 Epoch 37/499: 10%|█         | 16/160 [01:42<14:52, 6.20s/it]print_dice: 0.5445666909217834
, print_iou: 0.3741612136363983
6645 Epoch 37/499: 11%|█         | 17/160 [01:49<14:43, 6.18s/it]print_dice: 0.5584909319877625
, print_iou: 0.3874348998069763
6646 Epoch 37/499: 11%|█         | 18/160 [01:55<14:42, 6.21s/it]print_dice: 0.
46731945872306824, print_iou: 0.30490338802337646
6647 Epoch 37/499: 12%|█         | 19/160 [02:01<14:39, 6.24s/it]print_dice: 0.588876485824585
, print_iou: 0.4173103868961334
6648 Epoch 37/499: 12%|█         | 20/160 [02:07<14:29, 6.21s/it]print_dice: 0.4705977439880371
, print_iou: 0.3077004551887512
6649 print_dice: 0.44896700978279114, print_iou: 0.28946322202682495
6650 Epoch 37/499: 14%|█         | 22/160 [02:20<14:12, 6.18s/it]print_dice: 0.5473039150238037
, print_iou: 0.37675046920776367
6651 print_dice: 0.4811689555644989, print_iou: 0.31680214405059814
6652 Epoch 37/499: 15%|█         | 24/160 [02:32<13:54, 6.14s/it]print_dice: 0.532002329826355
, print_iou: 0.36239999532699585
6653 print_dice: 0.6541639566421509, print_iou: 0.4860651195049286
6654 Epoch 37/499: 16%|█         | 26/160 [02:44<13:45, 6.16s/it]print_dice: 0.5128380656242371
, print_iou: 0.34484344720840454
6655 Epoch 37/499: 17%|█         | 27/160 [02:50<13:39, 6.16s/it]print_dice: 0.5214790105819702
, print_iou: 0.35270318388938904
6656 print_dice: 0.5115214586257935, print_iou: 0.3436538875102997
6657 Epoch 37/499: 18%|█         | 29/160 [03:03<13:27, 6.17s/it]print_dice: 0.5165119767189026
, print_iou: 0.3481740355491638
6658 Epoch 37/499: 19%|█         | 30/160 [03:09<13:32, 6.25s/it]print_dice: 0.5691046118736267
, print_iou: 0.39772623777389526
6659 print_dice: 0.46756693720817566, print_iou: 0.30511409044265747
6660 Epoch 37/499: 20%|█         | 32/160 [03:21<13:10, 6.17s/it]print_dice: 0.6241520643234253
, print_iou: 0.45364901423454285
6661 Epoch 37/499: 21%|█         | 33/160 [03:28<13:04, 6.17s/it]print_dice: 0.5001832246780396
, print_iou: 0.33349621295928955
6662 print_dice: 0.4239838719367981, print_iou: 0.26902255415916443
6663 Epoch 37/499: 22%|█         | 35/160 [03:40<13:01, 6.25s/it]print_dice: 0.
49568483233451843, print_iou: 0.32950863242149353
6664 Epoch 37/499: 22%|█         | 36/160 [03:46<12:56, 6.26s/it]print_dice: 0.5122557282447815
, print_iou: 0.3443170487880707
6665 Epoch 37/499: 23%|█         | 37/160 [03:53<12:45, 6.23s/it]print_dice: 0.5621153116226196
, print_iou: 0.3909321129322052
6666 Epoch 37/499: 24%|█         | 38/160 [03:59<12:37, 6.21s/it]print_dice: 0.5534586906433105
, print_iou: 0.3826082944869995
6667 print_dice: 0.5204770565032959, print_iou: 0.35178709030151367
6668 Epoch 37/499: 25%|█         | 40/160 [04:11<12:21, 6.18s/it]print_dice: 0.5140418410301208
, print_iou: 0.34593290090560913
6669 Epoch 37/499: 26%|█         | 41/160 [04:17<12:12, 6.15s/it]print_dice: 0.5526407957077026
, print_iou: 0.3818269968032837
6670 Epoch 37/499: 26%|█         | 42/160 [04:23<12:05, 6.15s/it]print_dice: 0.4551209807395935

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6670 , print_iou: 0.2945997416973114
6671 Epoch 37/499: 27%|██████| 43/160 [04:29<11:55, 6.12s/it]print_dice: 0.5501365661621094
, print_iou: 0.3794402778148651
6672 print_dice: 0.4834260642528534, print_iou: 0.3187619745731354
6673 Epoch 37/499: 28%|██████| 45/160 [04:42<11:54, 6.21s/it]print_dice: 0.5287407040596008
, print_iou: 0.35937970876693726
6674 print_dice: 0.5229336619377136, print_iou: 0.35403528809547424
6675 Epoch 37/499: 29%|██████| 47/160 [04:55<11:50, 6.29s/it]print_dice: 0.5544745922088623
, print_iou: 0.38357996940612793
6676 print_dice: 0.6016059517860413, print_iou: 0.43021202087402344
6677 Epoch 37/499: 31%|██████| 49/160 [05:07<11:29, 6.21s/it]print_dice: 0.5632846355438232
, print_iou: 0.3920641541481018
6678 Epoch 37/499: 31%|██████| 50/160 [05:13<11:19, 6.17s/it]print_dice: 0.
48205241560935974, print_iou: 0.3175685405731201
6679 Epoch 37/499: 32%|██████| 51/160 [05:19<11:13, 6.18s/it]print_dice: 0.5228325724601746
, print_iou: 0.3539426624774933
6680 Epoch 37/499: 32%|██████| 52/160 [05:25<11:05, 6.17s/it]print_dice: 0.5244478583335876
, print_iou: 0.35542482137680054
6681 Epoch 37/499: 33%|██████| 53/160 [05:31<10:58, 6.15s/it]print_dice: 0.5781951546669006
, print_iou: 0.40666279196739197
6682 Epoch 37/499: 34%|██████| 54/160 [05:38<10:52, 6.15s/it]print_dice: 0.5419656038284302
, print_iou: 0.3717097342014313
6683 Epoch 37/499: 34%|██████| 55/160 [05:44<10:47, 6.16s/it]print_dice: 0.5420873165130615
, print_iou: 0.3718242645263672
6684 Epoch 37/499: 35%|██████| 56/160 [05:50<10:42, 6.18s/it]print_dice: 0.5930519104003906
, print_iou: 0.4215165674686432
6685 Epoch 37/499: 36%|██████| 57/160 [05:56<10:36, 6.18s/it]print_dice: 0.557498037815094
, print_iou: 0.3864798843860626
6686 Epoch 37/499: 36%|██████| 58/160 [06:02<10:30, 6.18s/it]print_dice: 0.4765346050262451
, print_iou: 0.3127964735031128
6687 print_dice: 0.6008351445198059, print_iou: 0.42942410707473755
6688 Epoch 37/499: 38%|██████| 60/160 [06:15<10:19, 6.20s/it]print_dice: 0.5041689276695251
, print_iou: 0.3370493948459625
6689 Epoch 37/499: 38%|██████| 61/160 [06:21<10:12, 6.18s/it]print_dice: 0.6027774810791016
, print_iou: 0.4314112067222595
6690 Epoch 37/499: 39%|██████| 62/160 [06:27<10:07, 6.20s/it]print_dice: 0.5279791355133057
, print_iou: 0.35867640376091003
6691 Epoch 37/499: 39%|██████| 63/160 [06:34<10:05, 6.24s/it]print_dice: 0.506647527217865
, print_iou: 0.3392685651779175
6692 print_dice: 0.5440222024917603, print_iou: 0.3736473023891449
6693 Epoch 37/499: 41%|██████| 65/160 [06:46<09:55, 6.27s/it]print_dice: 0.4445287585258484
, print_iou: 0.285783976316452
6694 Epoch 37/499: 41%|██████| 66/160 [06:52<09:45, 6.23s/it]print_dice: 0.5516552329063416
, print_iou: 0.3808867037296295
6695 print_dice: 0.5755209922790527, print_iou: 0.40402209758758545
6696 Epoch 37/499: 42%|██████| 68/160 [07:05<09:37, 6.27s/it]print_dice: 0.5710371136665344
, print_iou: 0.3996165096759796
6697 Epoch 37/499: 43%|██████| 69/160 [07:11<09:29, 6.26s/it]print_dice: 0.5448170304298401
, print_iou: 0.3743976056575775
6698 print_dice: 0.5638558864593506, print_iou: 0.3926179111003876
6699 Epoch 37/499: 44%|██████| 71/160 [07:23<09:12, 6.21s/it]print_dice: 0.5515990853309631
, print_iou: 0.3808331787586212
6700 Epoch 37/499: 45%|██████| 72/160 [07:30<09:04, 6.19s/it]print_dice: 0.5233492851257324
, print_iou: 0.35441645979881287
6701 print_dice: 0.5970772504806519, print_iou: 0.4255952537059784
6702 Epoch 37/499: 46%|██████| 74/160 [07:42<08:49, 6.16s/it]print_dice: 0.5229641199111938
, print_iou: 0.3540632426738739
6703 Epoch 37/499: 47%|██████| 75/160 [07:48<08:47, 6.21s/it]print_dice: 0.5590029954910278
, print_iou: 0.38792791962623596
6704 Epoch 37/499: 48%|██████| 76/160 [07:54<08:37, 6.17s/it]print_dice: 0.5438156127929688
, print_iou: 0.37345242500305176
6705 Epoch 37/499: 48%|██████| 77/160 [08:00<08:31, 6.16s/it]print_dice: 0.4717257618904114
, print_iou: 0.3086656332015991
6706 Epoch 37/499: 49%|██████| 78/160 [08:07<08:28, 6.21s/it]print_dice: 0.
49755212664604187, print_iou: 0.3311609923839569
6707 Epoch 37/499: 49%|██████| 79/160 [08:13<08:21, 6.19s/it]print_dice: 0.
47119876742362976, print_iou: 0.3082145154476166
6708 print_dice: 0.5696711540222168, print_iou: 0.3982798457145691
6709 Epoch 37/499: 51%|██████| 81/160 [08:25<08:09, 6.20s/it]print_dice: 0.5113776922225952
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6709 , print_iou: 0.34352415800094604
6710 print_dice: 0.5799092054367065, print_iou: 0.40836066007614136
6711 Epoch 37/499: 52%|██████| 83/160 [08:38<07:59, 6.22s/it]print_dice: 0.6269789934158325
, print_iou: 0.45664194226264954
6712 print_dice: 0.5545766353607178, print_iou: 0.3836776614189148
6713 Epoch 37/499: 53%|██████| 85/160 [08:50<07:43, 6.18s/it]print_dice: 0.5491859316825867
, print_iou: 0.3785363733768463
6714 print_dice: 0.5507561564445496, print_iou: 0.3800300061702728
6715 Epoch 37/499: 54%|██████| 87/160 [09:02<07:31, 6.18s/it]print_dice: 0.5628684163093567
, print_iou: 0.39166101813316345
6716 Epoch 37/499: 55%|██████| 88/160 [09:09<07:25, 6.18s/it]print_dice: 0.5576993823051453
, print_iou: 0.3866734802722931
6717 Epoch 37/499: 56%|██████| 89/160 [09:15<07:21, 6.22s/it]print_dice: 0.4417175054550171
, print_iou: 0.28346434235572815
6718 Epoch 37/499: 56%|██████| 90/160 [09:21<07:14, 6.21s/it]print_dice: 0.5832498669624329
, print_iou: 0.41168153285980225
6719 Epoch 37/499: 57%|██████| 91/160 [09:27<07:06, 6.19s/it]print_dice: 0.4961118698120117
, print_iou: 0.32988613843917847
6720 Epoch 37/499: 57%|██████| 92/160 [09:33<06:59, 6.17s/it]print_dice: 0.
47712305188179016, print_iou: 0.31330376863479614
6721 Epoch 37/499: 58%|██████| 93/160 [09:39<06:52, 6.16s/it]print_dice: 0.533369243144989
, print_iou: 0.3636697828769684
6722 print_dice: 0.5125208497047424, print_iou: 0.34455665946006775
6723 Epoch 37/499: 59%|██████| 95/160 [09:52<06:40, 6.16s/it]print_dice: 0.5568047761917114
, print_iou: 0.3858138918876648
6724 print_dice: 0.4691768288612366, print_iou: 0.3064866065979004
6725 Epoch 37/499: 61%|██████| 97/160 [10:04<06:29, 6.19s/it]print_dice: 0.597701907157898
, print_iou: 0.426230251789093
6726 print_dice: 0.5106203556060791, print_iou: 0.3428409695625305
6727 Epoch 37/499: 62%|██████| 99/160 [10:16<06:17, 6.19s/it]print_dice: 0.4865323305130005
, print_iou: 0.3214685916900635
6728 print_dice: 0.5399494171142578, print_iou: 0.36981552839279175
6729 Epoch 37/499: 63%|██████| 101/160 [10:29<06:02, 6.15s/it]print_dice: 0.
5214871764183044, print_iou: 0.35271063446998596
6730 [100/160] eta: 0:06:13 time: 6.1752 data: 0.0004
6731 Epoch 37/499: 64%|██████| 102/160 [10:35<05:57, 6.17s/it]print_dice: 0.
5426385998725891, print_iou: 0.37234318256378174
6732 Epoch 37/499: 64%|██████| 103/160 [10:41<05:54, 6.21s/it]print_dice: 0.613435685634613
, print_iou: 0.44241413474082947
6733 Epoch 37/499: 65%|██████| 104/160 [10:47<05:46, 6.20s/it]print_dice: 0.
5206134915351868, print_iou: 0.351911723613739
6734 print_dice: 0.42441558837890625, print_iou: 0.26937025785446167
6735 Epoch 37/499: 66%|██████| 106/160 [11:00<05:34, 6.19s/it]print_dice: 0.500440776348114
, print_iou: 0.333725243806839
6736 print_dice: 0.4821723699569702, print_iou: 0.3176726996898651
6737 Epoch 37/499: 68%|██████| 108/160 [11:12<05:20, 6.17s/it]print_dice: 0.
5653135180473328, print_iou: 0.3940327763557434
6738 Epoch 37/499: 68%|██████| 109/160 [11:18<05:18, 6.24s/it]print_dice: 0.
6036092638969421, print_iou: 0.4322638511657715
6739 print_dice: 0.5793797969818115, print_iou: 0.40783584117889404
6740 Epoch 37/499: 69%|██████| 111/160 [11:31<05:05, 6.24s/it]print_dice: 0.
47476956248283386, print_iou: 0.31127727031707764
6741 Epoch 37/499: 70%|██████| 112/160 [11:37<04:57, 6.19s/it]print_dice: 0.492565393447876
, print_iou: 0.32675737142562866
6742 print_dice: 0.5264995694160461, print_iou: 0.3573121428489685
6743 Epoch 37/499: 71%|██████| 114/160 [11:50<04:48, 6.27s/it]print_dice: 0.
4843839406967163, print_iou: 0.31959542632102966
6744 print_dice: 0.5392246842384338, print_iou: 0.36913591623306274
6745 Epoch 37/499: 72%|██████| 116/160 [12:02<04:35, 6.26s/it]print_dice: 0.
6168597936630249, print_iou: 0.4459850490093231
6746 Epoch 37/499: 73%|██████| 117/160 [12:09<04:30, 6.28s/it]print_dice: 0.534609854221344
, print_iou: 0.36482423543930054
6747 Epoch 37/499: 74%|██████| 118/160 [12:15<04:24, 6.29s/it]print_dice: 0.
5858612656593323, print_iou: 0.41428840160369873
6748 print_dice: 0.5984958410263062, print_iou: 0.4270382225513458
6749 Epoch 37/499: 75%|██████| 120/160 [12:27<04:10, 6.26s/it]print_dice: 0.
5445203185081482, print_iou: 0.3741174042224884
6750 print_dice: 0.4693531394004822, print_iou: 0.30663710832595825
6751 Epoch 37/499: 76%|██████| 122/160 [12:40<03:56, 6.22s/it]print_dice: 0.
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6751 5113323330879211, print_iou: 0.34348317980766296
6752 Epoch 37/499: 77%|██████████| 123/160 [12:46<03:50, 6.23s/it]print_dice: 0.
5283734798431396, print_iou: 0.3590404689311981
6753 Epoch 37/499: 78%|██████████| 124/160 [12:52<03:42, 6.19s/it]print_dice: 0.
5054811239242554, print_iou: 0.33822330832481384
6754 Epoch 37/499: 78%|██████████| 125/160 [12:58<03:37, 6.21s/it]print_dice: 0.535829484462738
, print_iou: 0.36596113443374634
6755 print_dice: 0.49652963876724243, print_iou: 0.3302556872367859
6756 Epoch 37/499: 79%|██████████| 127/160 [13:11<03:25, 6.22s/it]print_dice: 0.
4644216001033783, print_iou: 0.3024408221244812
6757 Epoch 37/499: 80%|██████████| 128/160 [13:17<03:18, 6.21s/it]print_dice: 0.
5812274813652039, print_iou: 0.40966928005218506
6758 Epoch 37/499: 81%|██████████| 129/160 [13:23<03:11, 6.18s/it]print_dice: 0.
5789768695831299, print_iou: 0.4074366092681885
6759 Epoch 37/499: 81%|██████████| 130/160 [13:29<03:05, 6.20s/it]print_dice: 0.
4196188747882843, print_iou: 0.26551753282546997
6760 Epoch 37/499: 82%|██████████| 131/160 [13:36<02:59, 6.20s/it]print_dice: 0.
5556466579437256, print_iou: 0.3847027122974396
6761 Epoch 37/499: 82%|██████████| 132/160 [13:42<02:53, 6.18s/it]print_dice: 0.
5670307874679565, print_iou: 0.39570337533950806
6762 Epoch 37/499: 83%|██████████| 133/160 [13:48<02:46, 6.15s/it]print_dice: 0.
4414329528808594, print_iou: 0.2832300066947937
6763 Epoch 37/499: 84%|██████████| 134/160 [13:54<02:39, 6.14s/it]print_dice: 0.
5516005754470825, print_iou: 0.3808346092700958
6764 print_dice: 0.5262295007705688, print_iou: 0.3570633828639984
6765 Epoch 37/499: 85%|██████████| 136/160 [14:06<02:27, 6.13s/it]print_dice: 0.
5417470335960388, print_iou: 0.37150418758392334
6766 Epoch 37/499: 86%|██████████| 137/160 [14:12<02:21, 6.16s/it]print_dice: 0.
5096098780632019, print_iou: 0.3419305384159088
6767 Epoch 37/499: 86%|██████████| 138/160 [14:19<02:15, 6.18s/it]print_dice: 0.
5617247223854065, print_iou: 0.39055436849594116
6768 Epoch 37/499: 87%|██████████| 139/160 [14:25<02:09, 6.19s/it]print_dice: 0.
5285026431083679, print_iou: 0.35915976762771606
6769 Epoch 37/499: 88%|██████████| 140/160 [14:31<02:03, 6.19s/it]print_dice: 0.
5763445496559143, print_iou: 0.4048342704772949
6770 Epoch 37/499: 88%|██████████| 141/160 [14:37<01:57, 6.19s/it]print_dice: 0.
5135044455528259, print_iou: 0.34544631838798523
6771 Epoch 37/499: 89%|██████████| 142/160 [14:43<01:51, 6.21s/it]print_dice: 0.599021852016449
, print_iou: 0.4275740087032318
6772 print_dice: 0.4959605932235718, print_iou: 0.3297523856163025
6773 Epoch 37/499: 90%|██████████| 144/160 [14:56<01:40, 6.25s/it]print_dice: 0.
4914429485797882, print_iou: 0.32577019929885864
6774 print_dice: 0.49956434965133667, print_iou: 0.33294621109962463
6775 Epoch 37/499: 91%|██████████| 146/160 [15:08<01:26, 6.20s/it]print_dice: 0.
5287646055221558, print_iou: 0.35940173268318176
6776 print_dice: 0.5437212586402893, print_iou: 0.3733634650707245
6777 Epoch 37/499: 92%|██████████| 148/160 [15:20<01:13, 6.12s/it]print_dice: 0.
47586458921432495, print_iou: 0.3122193515300751
6778 Epoch 37/499: 93%|██████████| 149/160 [15:27<01:08, 6.18s/it]print_dice: 0.
5136485695838928, print_iou: 0.34557679295539856
6779 Epoch 37/499: 94%|██████████| 150/160 [15:33<01:01, 6.15s/it]print_dice: 0.
5262212753295898, print_iou: 0.35705581307411194
6780 Epoch 37/499: 94%|██████████| 151/160 [15:39<00:55, 6.17s/it]print_dice: 0.
5644474625587463, print_iou: 0.3931918144226074
6781 Epoch 37/499: 95%|██████████| 152/160 [15:45<00:49, 6.17s/it]print_dice: 0.
5877199769020081, print_iou: 0.416149765253067
6782 Epoch 37/499: 96%|██████████| 153/160 [15:51<00:43, 6.18s/it]print_dice: 0.
6124799251556396, print_iou: 0.4414205849170685
6783 Epoch 37/499: 96%|██████████| 154/160 [15:58<00:37, 6.19s/it]print_dice: 0.
5329115986824036, print_iou: 0.36324435472488403
6784 Epoch 37/499: 97%|██████████| 155/160 [16:04<00:30, 6.17s/it]print_dice: 0.
5849742889404297, print_iou: 0.41340187191963196
6785 Epoch 37/499: 98%|██████████| 156/160 [16:10<00:24, 6.16s/it]print_dice: 0.
5062781572341919, print_iou: 0.338937371969223
6786 print_dice: 0.4503883719444275, print_iou: 0.290645956993103
6787 Epoch 37/499: 99%|██████████| 158/160 [16:22<00:12, 6.23s/it]print_dice: 0.
5437785387039185, print_iou: 0.373417466878891
6788 Epoch 37/499: 99%|██████████| 159/160 [16:29<00:06, 6.29s/it]print_dice: 0.
5479820966720581, print_iou: 0.3773934841156006

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6789 Epoch 37/499: 100%|██████████| 160/160 [16:35<00:00, 6.26s/it]print_dice: 0.533326268196106
, print_iou: 0.3636297881603241
6790 [159/160] eta: 0:00:06 time: 6.2053 data: 0.0005
6791 Epoch 37/499: 100%|██████████| 160/160 [16:36<00:00, 6.23s/it]
6792 Total time: 0:16:36 (6.2267 s / it)
6793 Averaged stats: training_loss: -342.5250 (-342.5250) loss_mask: -342.5269 (-342.5269)
loss_dice: 0.0018 (0.0018)
6794 Net parameter norm: 1053.839391953661
6795 Validating...
6796 Valid_dataloader len: 12
6797 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
sigmoid values: tensor([2.4346e-04, 2.4622e-04, 2.4790e-04, ..., 1.0000e+00, 1.0000e+00,
6798 1.0000e+00], grad_fn=<Unique2Backward0>)
6799 8%|███████| 1/12 [00:08<01:34, 8.63s/it]print_dice: 0.5632104277610779, print_iou: 0.
3919922709465027
6800 [ 0/12] eta: 0:01:43 time: 8.6322 data: 4.3682
6801 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.7889e-04, 6.
1530e-04, 6.1791e-04, ..., 9.9999e-01, 9.9999e-01,
6802 9.9999e-01], grad_fn=<Unique2Backward0>)
6803 print_dice: 0.612225522994995, print_iou: 0.44115328788757324
6804 17%|███████| 2/12 [00:13<01:01, 6.14s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([4.9323e-04, 5.1305e-04, 5.1652e-04, ..., 9.9999e-01, 9.
9999e-01,
6805 9.9999e-01], grad_fn=<Unique2Backward0>)
6806 25%|███████| 3/12 [00:17<00:47, 5.25s/it]print_dice: 0.5326916575431824, print_iou: 0.
363040030002594
6807 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.8514e-04, 7.
2948e-04, 7.3435e-04, ..., 9.9998e-01, 9.9998e-01,
6808 9.9998e-01], grad_fn=<Unique2Backward0>)
6809 33%|███████| 4/12 [00:21<00:38, 4.84s/it]print_dice: 0.5259754657745361, print_iou: 0.
35682952404022217
6810 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.0693e-04, 2.
1034e-04, 2.1415e-04, ..., 1.0000e+00, 1.0000e+00,
6811 1.0000e+00], grad_fn=<Unique2Backward0>)
6812 42%|███████| 5/12 [00:25<00:32, 4.59s/it]print_dice: 0.5756509304046631, print_iou: 0.
40415018796920776
6813 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.4347e-04, 2.
4619e-04, 2.4792e-04, ..., 1.0000e+00, 1.0000e+00,
6814 1.0000e+00], grad_fn=<Unique2Backward0>)
6815 50%|███████| 6/12 [00:29<00:26, 4.46s/it]print_dice: 0.5117896795272827, print_iou: 0.
3438960611820221
6816 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.4344e-04, 2.
4615e-04, 2.4795e-04, ..., 1.0000e+00, 1.0000e+00,
6817 1.0000e+00], grad_fn=<Unique2Backward0>)
6818 58%|███████| 7/12 [00:33<00:21, 4.34s/it]print_dice: 0.44522225856781006, print_iou: 0
.28635749220848083
6819 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.0691e-04, 1.
1425e-04, 1.1506e-04, ..., 1.0000e+00, 1.0000e+00,
6820 1.0000e+00], grad_fn=<Unique2Backward0>)
6821 print_dice: 0.5522838830947876, print_iou: 0.38148632645606995
6822 67%|███████| 8/12 [00:38<00:17, 4.27s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([3.8228e-04, 3.9103e-04, 4.0053e-04, ..., 9.9999e-01, 9.
9999e-01,
6823 9.9999e-01], grad_fn=<Unique2Backward0>)
6824 75%|███████| 9/12 [00:42<00:12, 4.21s/it]print_dice: 0.5700476169586182, print_iou: 0.
3986479938030243
6825 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.4345e-04, 2.
4620e-04, 2.4789e-04, ..., 1.0000e+00, 1.0000e+00,
6826 1.0000e+00], grad_fn=<Unique2Backward0>)
6827 83%|███████| 10/12 [00:46<00:08, 4.18s/it]print_dice: 0.5802327394485474, print_iou: 0
.40868157148361206
6828 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0011, 0.0012
, 0.0012, ..., 1.0000, 1.0000, 1.0000],
6829 grad_fn=<Unique2Backward0>)
6830 92%|███████| 11/12 [00:50<00:04, 4.17s/it]print_dice: 0.6159477233886719, print_iou: 0
.44503214955329895
6831 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2308e-04, 2.
2977e-04, 2.3035e-04, ..., 1.0000e+00, 1.0000e+00,
6832 1.0000e+00], grad_fn=<Unique2Backward0>)

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6833 100%|██████████| 12/12 [00:54<00:00, 4.10s/it]print_dice: 0.5815660357475281, print_iou: 0
.41000571846961975
6834 [11/12] eta: 0:00:04 time: 4.5243 data: 0.3646
6835 Total time: 0:00:54 (4.5622 s / it)
6836 =====
6837 Averaged stats:
6838 100%|██████████| 12/12 [00:54<00:00, 4.56s/it]
6839 epoch: 38 learning rate: 1e-07
6840 Epoch 38/499: 1%|██████████| 1/160 [00:10<28:29, 10.75s/it]print_dice: 0.5217646956443787
, print_iou: 0.3529645800590515
6841 [ 0/160] eta: 0:28:40 time: 10.7526 data: 4.4187
6842 print_dice: 0.4745422601699829, print_iou: 0.3110818862915039
6843 Epoch 38/499: 2%|██████████| 3/160 [00:23<18:47, 7.18s/it]print_dice: 0.4356634020805359
, print_iou: 0.27849721908569336
6844 print_dice: 0.5464283227920532, print_iou: 0.3759211301803589
6845 Epoch 38/499: 3%|██████████| 5/160 [00:35<16:58, 6.57s/it]print_dice: 0.48536813259124756
, print_iou: 0.32045286893844604
6846 print_dice: 0.5152024626731873, print_iou: 0.34698501229286194
6847 Epoch 38/499: 4%|██████████| 7/160 [00:47<16:16, 6.38s/it]print_dice: 0.5941887497901917
, print_iou: 0.42266610264778137
6848 Epoch 38/499: 5%|██████████| 8/160 [00:54<15:57, 6.30s/it]print_dice: 0.5289623737335205
, print_iou: 0.3595845401287079
6849 print_dice: 0.6079502701759338, print_iou: 0.436730295419693
6850 Epoch 38/499: 6%|██████████| 10/160 [01:06<15:30, 6.20s/it]print_dice: 0.537074089050293
, print_iou: 0.36712321639060974
6851 Epoch 38/499: 7%|██████████| 11/160 [01:12<15:22, 6.19s/it]print_dice: 0.
46516841650009155, print_iou: 0.30307456851005554
6852 Epoch 38/499: 8%|██████████| 12/160 [01:18<15:14, 6.18s/it]print_dice: 0.5352106094360352
, print_iou: 0.36538398265838623
6853 print_dice: 0.5272000432014465, print_iou: 0.3579576909542084
6854 Epoch 38/499: 9%|██████████| 14/160 [01:30<15:00, 6.16s/it]print_dice: 0.4590243101119995
, print_iou: 0.29787901043891907
6855 Epoch 38/499: 9%|██████████| 15/160 [01:36<14:50, 6.14s/it]print_dice: 0.5066505074501038
, print_iou: 0.33927121758461
6856 print_dice: 0.5442227721214294, print_iou: 0.37383657693862915
6857 Epoch 38/499: 11%|██████████| 17/160 [01:49<14:35, 6.12s/it]print_dice: 0.5478015542030334
, print_iou: 0.3772222399711609
6858 print_dice: 0.514670193195343, print_iou: 0.3465023338794708
6859 Epoch 38/499: 12%|██████████| 19/160 [02:01<14:25, 6.14s/it]print_dice: 0.5569989681243896
, print_iou: 0.386000394821167
6860 print_dice: 0.5571166276931763, print_iou: 0.38611340522766113
6861 Epoch 38/499: 13%|██████████| 21/160 [02:13<14:17, 6.17s/it]print_dice: 0.
49484822154045105, print_iou: 0.32876965403556824
6862 Epoch 38/499: 14%|██████████| 22/160 [02:19<14:10, 6.16s/it]print_dice: 0.
47421661019325256, print_iou: 0.31080207228660583
6863 Epoch 38/499: 14%|██████████| 23/160 [02:26<14:01, 6.14s/it]print_dice: 0.5663078427314758
, print_iou: 0.394999623298645
6864 print_dice: 0.5463348627090454, print_iou: 0.3758326768875122
6865 Epoch 38/499: 16%|██████████| 25/160 [02:38<13:52, 6.17s/it]print_dice: 0.5658676028251648
, print_iou: 0.3945713937282562
6866 Epoch 38/499: 16%|██████████| 26/160 [02:44<13:50, 6.20s/it]print_dice: 0.5486699342727661
, print_iou: 0.37804627418518066
6867 Epoch 38/499: 17%|██████████| 27/160 [02:50<13:42, 6.18s/it]print_dice: 0.
49882012605667114, print_iou: 0.33228540420532227
6868 Epoch 38/499: 18%|██████████| 28/160 [02:56<13:32, 6.16s/it]print_dice: 0.
41085055470466614, print_iou: 0.25853487849235535
6869 Epoch 38/499: 18%|██████████| 29/160 [03:03<13:25, 6.15s/it]print_dice: 0.5883514881134033
, print_iou: 0.41678327322006226
6870 Epoch 38/499: 19%|██████████| 30/160 [03:09<13:19, 6.15s/it]print_dice: 0.5023440718650818
, print_iou: 0.3354201912879944
6871 Epoch 38/499: 19%|██████████| 31/160 [03:15<13:12, 6.14s/it]print_dice: 0.
46523332595825195, print_iou: 0.3031296730041504
6872 Epoch 38/499: 20%|██████████| 32/160 [03:21<13:08, 6.16s/it]print_dice: 0.5118194222450256
, print_iou: 0.3439229130744934
6873 Epoch 38/499: 21%|██████████| 33/160 [03:27<13:02, 6.16s/it]print_dice: 0.4363566040992737
, print_iou: 0.27906402945518494
6874 Epoch 38/499: 21%|██████████| 34/160 [03:33<12:59, 6.19s/it]print_dice: 0.5116850137710571
, print_iou: 0.3438015580177307
6875 Epoch 38/499: 22%|██████████| 35/160 [03:40<12:54, 6.20s/it]print_dice: 0.5513089895248413

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6875 , print_iou: 0.3805566430091858
6876 Epoch 38/499: 22%|██████| 36/160 [03:46<12:51, 6.22s/it]print_dice: 0.5525147318840027
, print_iou: 0.3817066252231598
6877 print_dice: 0.4945681095123291, print_iou: 0.3285224139690399
6878 Epoch 38/499: 24%|██████| 38/160 [03:58<12:35, 6.19s/it]print_dice: 0.4974731504917145
, print_iou: 0.3310910165309906
6879 Epoch 38/499: 24%|██████| 39/160 [04:04<12:30, 6.20s/it]print_dice: 0.5594359636306763
, print_iou: 0.38834506273269653
6880 Epoch 38/499: 25%|██████| 40/160 [04:11<12:20, 6.17s/it]print_dice: 0.5619105100631714
, print_iou: 0.3907340168952942
6881 print_dice: 0.54312664270401, print_iou: 0.3728029429912567
6882 Epoch 38/499: 26%|██████| 42/160 [04:23<12:12, 6.20s/it]print_dice: 0.5647767782211304
, print_iou: 0.39351147413253784
6883 Epoch 38/499: 27%|██████| 43/160 [04:29<12:03, 6.18s/it]print_dice: 0.5607200860977173
, print_iou: 0.3895837664604187
6884 Epoch 38/499: 28%|██████| 44/160 [04:35<11:58, 6.19s/it]print_dice: 0.5800469517707825
, print_iou: 0.40849727392196655
6885 Epoch 38/499: 28%|██████| 45/160 [04:42<11:51, 6.19s/it]print_dice: 0.53077232837677
, print_iou: 0.361259400844574
6886 Epoch 38/499: 29%|██████| 46/160 [04:48<11:49, 6.22s/it]print_dice: 0.5896467566490173
, print_iou: 0.41808444261550903
6887 Epoch 38/499: 29%|██████| 47/160 [04:54<11:39, 6.19s/it]print_dice: 0.6012857556343079
, print_iou: 0.4298846423625946
6888 Epoch 38/499: 30%|██████| 48/160 [05:00<11:30, 6.16s/it]print_dice: 0.502032995223999
, print_iou: 0.3351428806781769
6889 Epoch 38/499: 31%|██████| 49/160 [05:06<11:23, 6.15s/it]print_dice: 0.4453209638595581
, print_iou: 0.2864391505718231
6890 Epoch 38/499: 31%|██████| 50/160 [05:13<11:23, 6.21s/it]print_dice: 0.
42757534980773926, print_iou: 0.2719210386276245
6891 print_dice: 0.5937331318855286, print_iou: 0.4222051799297333
6892 Epoch 38/499: 32%|██████| 52/160 [05:25<11:09, 6.20s/it]print_dice: 0.
47255805134773254, print_iou: 0.3093787431716919
6893 Epoch 38/499: 33%|██████| 53/160 [05:31<11:01, 6.18s/it]print_dice: 0.5374234318733215
, print_iou: 0.3674497604370117
6894 Epoch 38/499: 34%|██████| 54/160 [05:37<10:57, 6.20s/it]print_dice: 0.4935677647590637
, print_iou: 0.32764020562171936
6895 Epoch 38/499: 34%|██████| 55/160 [05:44<10:54, 6.23s/it]print_dice: 0.542309582233429
, print_iou: 0.3720334470272064
6896 Epoch 38/499: 35%|██████| 56/160 [05:50<10:49, 6.24s/it]print_dice: 0.
49437832832336426, print_iou: 0.32835495471954346
6897 Epoch 38/499: 36%|██████| 57/160 [05:56<10:42, 6.24s/it]print_dice: 0.4642776846885681
, print_iou: 0.3023187816143036
6898 Epoch 38/499: 36%|██████| 58/160 [06:02<10:30, 6.18s/it]print_dice: 0.5379928350448608
, print_iou: 0.3679823577404022
6899 Epoch 38/499: 37%|██████| 59/160 [06:08<10:26, 6.20s/it]print_dice: 0.
49192172288894653, print_iou: 0.32619109749794006
6900 print_dice: 0.5380955338478088, print_iou: 0.36807844042778015
6901 Epoch 38/499: 38%|██████| 61/160 [06:21<10:12, 6.18s/it]print_dice: 0.5871937870979309
, print_iou: 0.4156222939491272
6902 Epoch 38/499: 39%|██████| 62/160 [06:27<10:07, 6.20s/it]print_dice: 0.5275508761405945
, print_iou: 0.3582812249660492
6903 Epoch 38/499: 39%|██████| 63/160 [06:33<09:57, 6.16s/it]print_dice: 0.5088816285133362
, print_iou: 0.341275155544281
6904 Epoch 38/499: 40%|██████| 64/160 [06:39<09:47, 6.12s/it]print_dice: 0.5182964205741882
, print_iou: 0.34979766607284546
6905 Epoch 38/499: 41%|██████| 65/160 [06:45<09:42, 6.13s/it]print_dice: 0.
44908884167671204, print_iou: 0.2895645201206207
6906 Epoch 38/499: 41%|██████| 66/160 [06:52<09:41, 6.19s/it]print_dice: 0.4920113682746887
, print_iou: 0.3262699544429779
6907 Epoch 38/499: 42%|██████| 67/160 [06:58<09:38, 6.22s/it]print_dice: 0.
46054524183273315, print_iou: 0.29916128516197205
6908 Epoch 38/499: 42%|██████| 68/160 [07:04<09:33, 6.23s/it]print_dice: 0.5850092768669128
, print_iou: 0.4134368598461151
6909 Epoch 38/499: 43%|██████| 69/160 [07:10<09:24, 6.21s/it]print_dice: 0.5615105032920837
, print_iou: 0.39034733176231384
6910 Epoch 38/499: 44%|██████| 70/160 [07:17<09:24, 6.27s/it]print_dice: 0.5407968163490295
, print_iou: 0.3706110417842865
6911 Epoch 38/499: 44%|██████| 71/160 [07:23<09:23, 6.33s/it]print_dice: 0.4876554012298584
, print_iou: 0.3224499225616455

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6912 Epoch 38/499: 45%|██████| 72/160 [07:29<09:15, 6.31s/it]print_dice: 0.5642932057380676
, print_iou: 0.39304208755493164
6913 print_dice: 0.5161816477775574, print_iou: 0.34787386655807495
6914 Epoch 38/499: 46%|██████| 74/160 [07:42<08:54, 6.22s/it]print_dice: 0.5320165753364563
, print_iou: 0.362413227558136
6915 Epoch 38/499: 47%|██████| 75/160 [07:48<08:47, 6.21s/it]print_dice: 0.483180969953537
, print_iou: 0.31854885816574097
6916 Epoch 38/499: 48%|██████| 76/160 [07:54<08:43, 6.23s/it]print_dice: 0.
49059322476387024, print_iou: 0.3250238597393036
6917 Epoch 38/499: 48%|██████| 77/160 [08:00<08:36, 6.22s/it]print_dice: 0.5025179386138916
, print_iou: 0.33557525277137756
6918 Epoch 38/499: 49%|██████| 78/160 [08:07<08:27, 6.19s/it]print_dice: 0.5083955526351929
, print_iou: 0.3408380448818207
6919 print_dice: 0.5513200163841248, print_iou: 0.38056713342666626
6920 Epoch 38/499: 50%|██████| 80/160 [08:19<08:14, 6.18s/it]print_dice: 0.5218546986579895
, print_iou: 0.3530469536781311
6921 print_dice: 0.564706563949585, print_iou: 0.3934432864189148
6922 Epoch 38/499: 51%|██████| 82/160 [08:31<08:01, 6.18s/it]print_dice: 0.508981466293335
, print_iou: 0.34136494994163513
6923 Epoch 38/499: 52%|██████| 83/160 [08:38<08:01, 6.25s/it]print_dice: 0.60066819190979
, print_iou: 0.42925357818603516
6924 print_dice: 0.5513360500335693, print_iou: 0.38058242201805115
6925 Epoch 38/499: 53%|██████| 85/160 [08:50<07:42, 6.16s/it]print_dice: 0.525080680847168
, print_iou: 0.356006383895874
6926 print_dice: 0.5164254903793335, print_iou: 0.3480954170227051
6927 Epoch 38/499: 54%|██████| 87/160 [09:02<07:30, 6.18s/it]print_dice: 0.5572846531867981
, print_iou: 0.38627487421035767
6928 Epoch 38/499: 55%|██████| 88/160 [09:08<07:21, 6.13s/it]print_dice: 0.5912213325500488
, print_iou: 0.41966941952705383
6929 Epoch 38/499: 56%|██████| 89/160 [09:14<07:16, 6.15s/it]print_dice: 0.6277494430541992
, print_iou: 0.45745980739593506
6930 Epoch 38/499: 56%|██████| 90/160 [09:21<07:10, 6.15s/it]print_dice: 0.5457190275192261
, print_iou: 0.37525004148483276
6931 print_dice: 0.4795089066028595, print_iou: 0.3153645098209381
6932 Epoch 38/499: 57%|██████| 92/160 [09:33<07:00, 6.19s/it]print_dice: 0.5404266119003296
, print_iou: 0.37026339769363403
6933 Epoch 38/499: 58%|██████| 93/160 [09:39<06:54, 6.18s/it]print_dice: 0.
49596327543258667, print_iou: 0.3297547698020935
6934 Epoch 38/499: 59%|██████| 94/160 [09:45<06:46, 6.16s/it]print_dice: 0.5714824199676514
, print_iou: 0.4000527858734131
6935 Epoch 38/499: 59%|██████| 95/160 [09:51<06:40, 6.16s/it]print_dice: 0.5688096880912781
, print_iou: 0.3974381685256958
6936 Epoch 38/499: 60%|██████| 96/160 [09:58<06:35, 6.18s/it]print_dice: 0.
47181791067123413, print_iou: 0.3087445795536041
6937 Epoch 38/499: 61%|██████| 97/160 [10:04<06:28, 6.16s/it]print_dice: 0.5827059745788574
, print_iou: 0.4111397862434387
6938 Epoch 38/499: 61%|██████| 98/160 [10:10<06:21, 6.16s/it]print_dice: 0.5143948793411255
, print_iou: 0.34625276923179626
6939 print_dice: 0.6499137282371521, print_iou: 0.48138684034347534
6940 Epoch 38/499: 62%|██████| 100/160 [10:23<06:13, 6.22s/it]print_dice: 0.
5391359329223633, print_iou: 0.36905279755592346
6941 Epoch 38/499: 63%|██████| 101/160 [10:29<06:09, 6.27s/it]print_dice: 0.
5904348492622375, print_iou: 0.4188773036003113
6942 [100/160] eta: 0:06:13 time: 6.1949 data: 0.0005
6943 Epoch 38/499: 64%|██████| 102/160 [10:35<06:03, 6.26s/it]print_dice: 0.
5472249984741211, print_iou: 0.37667566537857056
6944 print_dice: 0.5039695501327515, print_iou: 0.3368711769580841
6945 Epoch 38/499: 65%|██████| 104/160 [10:47<05:46, 6.19s/it]print_dice: 0.
5906663537025452, print_iou: 0.41911038756370544
6946 print_dice: 0.5310336947441101, print_iou: 0.36150163412094116
6947 Epoch 38/499: 66%|██████| 106/160 [11:00<05:34, 6.20s/it]print_dice: 0.537424623966217
, print_iou: 0.36745086312294006
6948 print_dice: 0.5663647055625916, print_iou: 0.3950549364089966
6949 Epoch 38/499: 68%|██████| 108/160 [11:12<05:19, 6.15s/it]print_dice: 0.
4770415723323822, print_iou: 0.31323349475860596
6950 print_dice: 0.6208575367927551, print_iou: 0.45017653703689575
6951 Epoch 38/499: 69%|██████| 110/160 [11:24<05:09, 6.18s/it]print_dice: 0.
4465309679508209, print_iou: 0.2874411940574646
6952 Epoch 38/499: 69%|██████| 111/160 [11:31<05:02, 6.18s/it]print_dice: 0.

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6952 6174797415733337, print_iou: 0.4466334283351898
6953 Epoch 38/499: 70%|██████████| 112/160 [11:37<04:56, 6.17s/it]print_dice: 0.527905285358429
, print_iou: 0.3586082458496094
6954 Epoch 38/499: 71%|██████████| 113/160 [11:43<04:49, 6.17s/it]print_dice: 0.
5213097929954529, print_iou: 0.35254836082458496
6955 Epoch 38/499: 71%|██████████| 114/160 [11:49<04:43, 6.17s/it]print_dice: 0.539868950843811
, print_iou: 0.3697400391101837
6956 Epoch 38/499: 72%|██████████| 115/160 [11:55<04:37, 6.17s/it]print_dice: 0.
47848913073539734, print_iou: 0.3144828677177429
6957 Epoch 38/499: 72%|██████████| 116/160 [12:02<04:32, 6.19s/it]print_dice: 0.
4488521218299866, print_iou: 0.2893677055835724
6958 Epoch 38/499: 73%|██████████| 117/160 [12:08<04:25, 6.18s/it]print_dice: 0.
5519564747810364, print_iou: 0.3811739683151245
6959 Epoch 38/499: 74%|██████████| 118/160 [12:14<04:21, 6.24s/it]print_dice: 0.566942572593689
, print_iou: 0.3956174850463867
6960 Epoch 38/499: 74%|██████████| 119/160 [12:20<04:16, 6.25s/it]print_dice: 0.
4256722927093506, print_iou: 0.2703835368156433
6961 Epoch 38/499: 75%|██████████| 120/160 [12:26<04:08, 6.22s/it]print_dice: 0.
46042200922966003, print_iou: 0.299057275056839
6962 Epoch 38/499: 76%|██████████| 121/160 [12:33<04:01, 6.18s/it]print_dice: 0.
6214858889579773, print_iou: 0.45083755254745483
6963 Epoch 38/499: 76%|██████████| 122/160 [12:39<03:56, 6.21s/it]print_dice: 0.
5480057597160339, print_iou: 0.37741589546203613
6964 print_dice: 0.5427032113075256, print_iou: 0.372404009103775
6965 Epoch 38/499: 78%|██████████| 124/160 [12:51<03:41, 6.15s/it]print_dice: 0.
5227620601654053, print_iou: 0.35387805104255676
6966 print_dice: 0.5158644914627075, print_iou: 0.34758585691452026
6967 Epoch 38/499: 79%|██████████| 126/160 [13:04<03:34, 6.30s/it]print_dice: 0.
5274578332901001, print_iou: 0.35819539427757263
6968 Epoch 38/499: 79%|██████████| 127/160 [13:10<03:26, 6.27s/it]print_dice: 0.
5199288725852966, print_iou: 0.351286381483078
6969 print_dice: 0.5491725206375122, print_iou: 0.37852364778518677
6970 Epoch 38/499: 81%|██████████| 129/160 [13:22<03:12, 6.21s/it]print_dice: 0.546231210231781
, print_iou: 0.3757345676422119
6971 print_dice: 0.567852795124054, print_iou: 0.3965044617652893
6972 Epoch 38/499: 82%|██████████| 131/160 [13:35<03:00, 6.23s/it]print_dice: 0.
5744963884353638, print_iou: 0.4030129313468933
6973 Epoch 38/499: 82%|██████████| 132/160 [13:41<02:52, 6.17s/it]print_dice: 0.528297483921051
, print_iou: 0.3589702546596527
6974 print_dice: 0.5153945684432983, print_iou: 0.3471592962741852
6975 Epoch 38/499: 84%|██████████| 134/160 [13:54<02:42, 6.23s/it]print_dice: 0.
49125662446022034, print_iou: 0.32560646533966064
6976 print_dice: 0.590136706829071, print_iou: 0.41857725381851196
6977 Epoch 38/499: 85%|██████████| 136/160 [14:06<02:28, 6.19s/it]print_dice: 0.
5176679491996765, print_iou: 0.34922537207603455
6978 Epoch 38/499: 86%|██████████| 137/160 [14:12<02:21, 6.17s/it]print_dice: 0.
48607751727104187, print_iou: 0.321071594953537
6979 print_dice: 0.5623066425323486, print_iou: 0.3911172151565552
6980 Epoch 38/499: 87%|██████████| 139/160 [14:25<02:10, 6.23s/it]print_dice: 0.
4452989995479584, print_iou: 0.286421000957489
6981 Epoch 38/499: 88%|██████████| 140/160 [14:31<02:03, 6.18s/it]print_dice: 0.
5397622585296631, print_iou: 0.3696399927139282
6982 Epoch 38/499: 88%|██████████| 141/160 [14:37<01:57, 6.16s/it]print_dice: 0.
4778403639793396, print_iou: 0.313922643661499
6983 Epoch 38/499: 89%|██████████| 142/160 [14:43<01:51, 6.21s/it]print_dice: 0.
5049682855606079, print_iou: 0.3377642333507538
6984 Epoch 38/499: 89%|██████████| 143/160 [14:49<01:45, 6.20s/it]print_dice: 0.568568229675293
, print_iou: 0.39720243215560913
6985 Epoch 38/499: 90%|██████████| 144/160 [14:56<01:39, 6.21s/it]print_dice: 0.
6025183796882629, print_iou: 0.4311458468437195
6986 Epoch 38/499: 91%|██████████| 145/160 [15:02<01:32, 6.20s/it]print_dice: 0.
5361469984054565, print_iou: 0.36625736951828003
6987 Epoch 38/499: 91%|██████████| 146/160 [15:08<01:27, 6.23s/it]print_dice: 0.
5373615622520447, print_iou: 0.3673919141292572
6988 Epoch 38/499: 92%|██████████| 147/160 [15:14<01:21, 6.25s/it]print_dice: 0.
46594899892807007, print_iou: 0.3037376403808594
6989 print_dice: 0.5146778225898743, print_iou: 0.3465092182159424
6990 Epoch 38/499: 93%|██████████| 149/160 [15:27<01:08, 6.25s/it]print_dice: 0.
5115615725517273, print_iou: 0.3436901271343231

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6991 Epoch 38/499: 94%|██████████| 150/160 [15:33<01:02, 6.24s/it]print_dice: 0.
5819618701934814, print_iou: 0.41039931774139404
6992 print_dice: 0.5277624130249023, print_iou: 0.3584763705730438
6993 Epoch 38/499: 95%|██████████| 152/160 [15:45<00:49, 6.22s/it]print_dice: 0.
5474770069122314, print_iou: 0.37691450119018555
6994 print_dice: 0.6057877540588379, print_iou: 0.4345018267631531
6995 Epoch 38/499: 96%|██████████| 154/160 [15:58<00:37, 6.20s/it]print_dice: 0.
5075258016586304, print_iou: 0.3400566577911377
6996 print_dice: 0.502326250076294, print_iou: 0.33540433645248413
6997 Epoch 38/499: 98%|██████████| 156/160 [16:10<00:24, 6.24s/it]print_dice: 0.
5608998537063599, print_iou: 0.38975733518600464
6998 print_dice: 0.573162853717804, print_iou: 0.4017016887664795
6999 Epoch 38/499: 99%|██████████| 158/160 [16:23<00:12, 6.22s/it]print_dice: 0.
4841511845588684, print_iou: 0.3193928003311157
7000 Epoch 38/499: 99%|██████████| 159/160 [16:29<00:06, 6.19s/it]print_dice: 0.
5916002988815308, print_iou: 0.4200513958930969
7001 Epoch 38/499: 100%|██████████| 160/160 [16:35<00:00, 6.14s/it]print_dice: 0.
5471006035804749, print_iou: 0.3765577971935272
7002 [159/160] eta: 0:00:06 time: 6.2090 data: 0.0004
7003 Total time: 0:16:36 (6.2256 s / it)
7004 Averaged stats: training_loss: -24.4752 (-24.4752) loss_mask: -24.7417 (-24.7417)
loss_dice: 0.2665 (0.2665)
7005 Epoch 38/499: 100%|██████████| 160/160 [16:36<00:00, 6.23s/it]
7006 Net parameter norm: 1053.8397136655403
7007 0%|██████████| 0/12 [00:00<?, ?it/s]Validating...
7008 Valid_dataloader len: 12
7009 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.7703e-04, 1.
8541e-04, 1.8752e-04, ..., 1.0000e+00, 1.0000e+00,
7010 1.0000e+00], grad_fn=<Unique2Backward0>)
7011 8%|██████████| 1/12 [00:08<01:36, 8.78s/it]print_dice: 0.5582432150840759, print_iou: 0.
38719654083251953
7012 [ 0/12] eta: 0:01:45 time: 8.7816 data: 4.7674
7013 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.3252e-04, 5.
4917e-04, 5.5664e-04, ..., 9.9999e-01, 9.9999e-01,
7014 9.9999e-01], grad_fn=<Unique2Backward0>)
7015 print_dice: 0.6118550896644592, print_iou: 0.44077178835868835
7016 17%|██████████| 2/12 [00:13<01:01, 6.14s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.0459e-04, 2.1420e-04, 2.1578e-04, ..., 1.0000e+00, 1.
0000e+00,
7017 1.0000e+00], grad_fn=<Unique2Backward0>)
7018 25%|██████████| 3/12 [00:17<00:46, 5.20s/it]print_dice: 0.531955897808075, print_iou: 0.
36235690116882324
7019 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.3855e-04, 2.
4209e-04, 2.4290e-04, ..., 1.0000e+00, 1.0000e+00,
7020 1.0000e+00], grad_fn=<Unique2Backward0>)
7021 print_dice: 0.5287039279937744, print_iou: 0.3593457341194153
7022 33%|██████████| 4/12 [00:21<00:38, 4.78s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.0300e-04, 2.0597e-04, 2.0906e-04, ..., 1.0000e+00, 1.
0000e+00,
7023 1.0000e+00], grad_fn=<Unique2Backward0>)
7024 42%|██████████| 5/12 [00:25<00:31, 4.54s/it]print_dice: 0.5734029412269592, print_iou: 0.
4019375443458557
7025 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.5409e-04, 5.
8301e-04, 5.9327e-04, ..., 9.9999e-01, 9.9999e-01,
7026 9.9999e-01], grad_fn=<Unique2Backward0>)
7027 50%|██████████| 6/12 [00:29<00:26, 4.42s/it]print_dice: 0.5040098428726196, print_iou: 0.
33690717816352844
7028 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.7187e-04, 7.
7827e-04, 8.1011e-04, ..., 9.9998e-01, 9.9998e-01,
7029 9.9998e-01], grad_fn=<Unique2Backward0>)
7030 print_dice: 0.43770161271095276, print_iou: 0.2801651656627655
7031 58%|██████████| 7/12 [00:33<00:21, 4.39s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([5.8256e-04, 6.1460e-04, 6.1618e-04, ..., 9.9998e-01, 9.
9998e-01,
7032 9.9998e-01], grad_fn=<Unique2Backward0>)
7033 67%|██████████| 8/12 [00:38<00:17, 4.37s/it]print_dice: 0.5501348376274109, print_iou: 0.
3794386088848114
7034 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.3636e-04, 5.
4674e-04, 5.4752e-04, ..., 9.9999e-01, 9.9999e-01,

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7035         9.9999e-01], grad_fn=<Unique2Backward0>)
7036 print_dice: 0.5651864409446716, print_iou: 0.3939093351364136
7037 75%|███████ | 9/12 [00:42<00:12, 4.33s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([1.9384e-04, 1.9586e-04, 1.9803e-04, ..., 1.0000e+00, 1.
0000e+00,
7038         1.0000e+00], grad_fn=<Unique2Backward0>)
7039 print_dice: 0.5722301006317139, print_iou: 0.4007859528064728
7040 83%|███████ | 10/12 [00:46<00:08, 4.28s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.3863e-04, 2.4239e-04, 2.4298e-04, ..., 1.0000e+00, 1.
0000e+00,
7041         1.0000e+00], grad_fn=<Unique2Backward0>)
7042 92%|███████ | 11/12 [00:50<00:04, 4.19s/it]print_dice: 0.6178022623062134, print_iou: 0
.44697096943855286
7043 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.3857e-04, 2.
4238e-04, 2.4293e-04, ..., 1.0000e+00, 1.0000e+00,
7044         1.0000e+00], grad_fn=<Unique2Backward0>)
7045 100%|███████ | 12/12 [00:54<00:00, 4.17s/it]print_dice: 0.5843371152877808, print_iou: 0
.4127657115459442
7046 [11/12] eta: 0:00:04 time: 4.5629 data: 0.3976
7047 100%|███████ | 12/12 [00:55<00:00, 4.60s/it]
7048 Total time: 0:00:55 (4.6040 s / it)
7049 =====
7050 Averaged stats:
7051 Epoch 39/499: 0%| | 0/160 [00:00<?, ?it/s]epoch: 39 learning rate: 1e-07
7052 Epoch 39/499: 1%| | 1/160 [00:10<27:44, 10.47s/it]print_dice: 0.5460144877433777
, print_iou: 0.37552952766418457
7053 [ 0/160] eta: 0:27:55 time: 10.4721 data: 4.2097
7054 Epoch 39/499: 1%|| | 2/160 [00:16<20:56, 7.95s/it]print_dice: 0.47687217593193054
, print_iou: 0.31308743357658386
7055 Epoch 39/499: 2%|| | 3/160 [00:22<18:39, 7.13s/it]print_dice: 0.5599905848503113
, print_iou: 0.38887977600097656
7056 Epoch 39/499: 2%|| | 4/160 [00:29<17:35, 6.76s/it]print_dice: 0.48336535692214966
, print_iou: 0.3187091648578644
7057 print_dice: 0.5389531850814819, print_iou: 0.3688815236091614
7058 Epoch 39/499: 4%|| | 6/160 [00:41<16:30, 6.43s/it]print_dice: 0.5235503315925598
, print_iou: 0.35460084676742554
7059 Epoch 39/499: 4%|| | 7/160 [00:47<16:15, 6.38s/it]print_dice: 0.48185211420059204
, print_iou: 0.3173947036266327
7060 Epoch 39/499: 5%|| | 8/160 [00:53<15:52, 6.27s/it]print_dice: 0.4930081069469452
, print_iou: 0.32714715600013733
7061 Epoch 39/499: 6%|| | 9/160 [00:59<15:41, 6.24s/it]print_dice: 0.5174190998077393
, print_iou: 0.34899887442588806
7062 Epoch 39/499: 6%|| | 10/160 [01:06<15:34, 6.23s/it]print_dice: 0.5364994406700134
, print_iou: 0.3665864169597626
7063 print_dice: 0.6170215606689453, print_iou: 0.4461541175842285
7064 Epoch 39/499: 8%|| | 12/160 [01:18<15:08, 6.14s/it]print_dice: 0.5119553804397583
, print_iou: 0.3440457284450531
7065 Epoch 39/499: 8%|| | 13/160 [01:24<15:05, 6.16s/it]print_dice: 0.
41760045289993286, print_iou: 0.26390329003334045
7066 Epoch 39/499: 9%|| | 14/160 [01:30<14:58, 6.16s/it]print_dice: 0.5657106637954712
, print_iou: 0.3944188058376312
7067 print_dice: 0.49831509590148926, print_iou: 0.3318372964859009
7068 Epoch 39/499: 10%|| | 16/160 [01:42<14:49, 6.17s/it]print_dice: 0.5423985719680786
, print_iou: 0.37211719155311584
7069 Epoch 39/499: 11%|| | 17/160 [01:49<14:44, 6.19s/it]print_dice: 0.5959054827690125
, print_iou: 0.4244055151939392
7070 Epoch 39/499: 11%|| | 18/160 [01:55<14:37, 6.18s/it]print_dice: 0.5184364318847656
, print_iou: 0.3499252200126648
7071 Epoch 39/499: 12%|| | 19/160 [02:01<14:30, 6.17s/it]print_dice: 0.
43041282892227173, print_iou: 0.27422040700912476
7072 print_dice: 0.6136109232902527, print_iou: 0.4425964951515198
7073 Epoch 39/499: 13%|| | 21/160 [02:13<14:13, 6.14s/it]print_dice: 0.5436245203018188
, print_iou: 0.37327224016189575
7074 Epoch 39/499: 14%|| | 22/160 [02:19<14:08, 6.15s/it]print_dice: 0.4861258864402771
, print_iou: 0.32111382484436035
7075 Epoch 39/499: 14%|| | 23/160 [02:26<14:11, 6.22s/it]print_dice: 0.5431475043296814
, print_iou: 0.3728225827217102
7076 Epoch 39/499: 15%|| | 24/160 [02:32<14:02, 6.19s/it]print_dice: 0.531771719455719
, print_iou: 0.3621860146522522

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7077 Epoch 39/499: 16%|██████| 25/160 [02:38<13:56, 6.19s/it]print_dice: 0.5250275731086731
, print_iou: 0.3559575378894806
7078 Epoch 39/499: 16%|██████| 26/160 [02:44<13:49, 6.19s/it]print_dice: 0.5830462574958801
, print_iou: 0.4114786684513092
7079 Epoch 39/499: 17%|██████| 27/160 [02:50<13:45, 6.21s/it]print_dice: 0.5052770972251892
, print_iou: 0.33804064989089966
7080 Epoch 39/499: 18%|██████| 28/160 [02:57<13:38, 6.20s/it]print_dice: 0.561407744884491
, print_iou: 0.39024803042411804
7081 Epoch 39/499: 18%|██████| 29/160 [03:03<13:28, 6.17s/it]print_dice: 0.545417845249176
, print_iou: 0.37496528029441833
7082 print_dice: 0.5048683285713196, print_iou: 0.3376748561859131
7083 Epoch 39/499: 19%|██████| 31/160 [03:15<13:14, 6.16s/it]print_dice: 0.5063819885253906
, print_iou: 0.3390304446220398
7084 Epoch 39/499: 20%|██████| 32/160 [03:21<13:03, 6.12s/it]print_dice: 0.4471784234046936
, print_iou: 0.2879779636859894
7085 Epoch 39/499: 21%|██████| 33/160 [03:27<13:02, 6.16s/it]print_dice: 0.5392801761627197
, print_iou: 0.36918795108795166
7086 print_dice: 0.5109578371047974, print_iou: 0.34314534068107605
7087 Epoch 39/499: 22%|██████| 35/160 [03:40<12:51, 6.17s/it]print_dice: 0.
44393497705459595, print_iou: 0.2852933406829834
7088 print_dice: 0.6464390158653259, print_iou: 0.4775839149951935
7089 Epoch 39/499: 23%|██████| 37/160 [03:52<12:39, 6.17s/it]print_dice: 0.5144297480583191
, print_iou: 0.3462843596935272
7090 Epoch 39/499: 24%|██████| 38/160 [03:58<12:32, 6.17s/it]print_dice: 0.5646222233772278
, print_iou: 0.3933614194393158
7091 Epoch 39/499: 24%|██████| 39/160 [04:05<12:30, 6.21s/it]print_dice: 0.5014356970787048
, print_iou: 0.3346107304096222
7092 Epoch 39/499: 25%|██████| 40/160 [04:11<12:21, 6.18s/it]print_dice: 0.5379476547241211
, print_iou: 0.36794009804725647
7093 print_dice: 0.5642451047897339, print_iou: 0.3929954171180725
7094 Epoch 39/499: 26%|██████| 42/160 [04:23<12:11, 6.20s/it]print_dice: 0.4495960474014282
, print_iou: 0.28998640179634094
7095 Epoch 39/499: 27%|██████| 43/160 [04:29<12:05, 6.20s/it]print_dice: 0.581244707107544
, print_iou: 0.4096863567829132
7096 Epoch 39/499: 28%|██████| 44/160 [04:35<11:56, 6.17s/it]print_dice: 0.5108242630958557
, print_iou: 0.3430248200893402
7097 Epoch 39/499: 28%|██████| 45/160 [04:42<11:54, 6.22s/it]print_dice: 0.5468248128890991
, print_iou: 0.3762965500354767
7098 Epoch 39/499: 29%|██████| 46/160 [04:48<11:50, 6.24s/it]print_dice: 0.5122188925743103
, print_iou: 0.3442837595939636
7099 Epoch 39/499: 29%|██████| 47/160 [04:54<11:46, 6.25s/it]print_dice: 0.4989002048969269
, print_iou: 0.33235645294189453
7100 Epoch 39/499: 30%|██████| 48/160 [05:00<11:31, 6.18s/it]print_dice: 0.4416145086288452
, print_iou: 0.2833794951438904
7101 print_dice: 0.5118383169174194, print_iou: 0.34393998980522156
7102 Epoch 39/499: 31%|██████| 50/160 [05:12<11:15, 6.14s/it]print_dice: 0.555824875831604
, print_iou: 0.38487356901168823
7103 Epoch 39/499: 32%|██████| 51/160 [05:19<11:13, 6.18s/it]print_dice: 0.5338563323020935
, print_iou: 0.36412280797958374
7104 Epoch 39/499: 32%|██████| 52/160 [05:25<11:11, 6.22s/it]print_dice: 0.5211916565895081
, print_iou: 0.3524402976036072
7105 print_dice: 0.5593287348747253, print_iou: 0.3882417380809784
7106 Epoch 39/499: 34%|██████| 54/160 [05:38<11:06, 6.29s/it]print_dice: 0.5911176204681396
, print_iou: 0.4195649325847626
7107 Epoch 39/499: 34%|██████| 55/160 [05:44<10:57, 6.26s/it]print_dice: 0.5895446538925171
, print_iou: 0.4179818034172058
7108 Epoch 39/499: 35%|██████| 56/160 [05:50<10:43, 6.19s/it]print_dice: 0.6087378859519958
, print_iou: 0.4375436305999756
7109 Epoch 39/499: 36%|██████| 57/160 [05:56<10:38, 6.20s/it]print_dice: 0.
46877214312553406, print_iou: 0.30614134669303894
7110 Epoch 39/499: 36%|██████| 58/160 [06:02<10:33, 6.21s/it]print_dice: 0.5938796997070312
, print_iou: 0.4223533868789673
7111 Epoch 39/499: 37%|██████| 59/160 [06:09<10:28, 6.22s/it]print_dice: 0.5581039190292358
, print_iou: 0.38706251978874207
7112 Epoch 39/499: 38%|██████| 60/160 [06:15<10:20, 6.20s/it]print_dice: 0.5339065194129944
, print_iou: 0.36416947841644287
7113 Epoch 39/499: 38%|██████| 61/160 [06:21<10:17, 6.23s/it]print_dice: 0.5180482864379883
, print_iou: 0.3495716154575348
7114 Epoch 39/499: 39%|██████| 62/160 [06:27<10:13, 6.26s/it]print_dice: 0.47539022564888

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7114 , print_iou: 0.31181108951568604
7115 Epoch 39/499: 39%|██████| 63/160 [06:34<10:12, 6.32s/it]print_dice: 0.6030415892601013
, print_iou: 0.4316818416118622
7116 Epoch 39/499: 40%|██████| 64/160 [06:40<10:06, 6.31s/it]print_dice: 0.6171707510948181
, print_iou: 0.4463101625442505
7117 Epoch 39/499: 41%|██████| 65/160 [06:47<10:00, 6.32s/it]print_dice: 0.5096845030784607
, print_iou: 0.34199774265289307
7118 print_dice: 0.5272768139839172, print_iou: 0.35802847146987915
7119 Epoch 39/499: 42%|██████| 67/160 [06:59<09:40, 6.25s/it]print_dice: 0.5509420037269592
, print_iou: 0.38020703196525574
7120 Epoch 39/499: 42%|██████| 68/160 [07:05<09:32, 6.22s/it]print_dice: 0.511081874370575
, print_iou: 0.34325718879699707
7121 Epoch 39/499: 43%|██████| 69/160 [07:12<09:33, 6.31s/it]print_dice: 0.5562902092933655
, print_iou: 0.38531994819641113
7122 Epoch 39/499: 44%|██████| 70/160 [07:18<09:26, 6.29s/it]print_dice: 0.
47701993584632874, print_iou: 0.31321480870246887
7123 Epoch 39/499: 44%|██████| 71/160 [07:24<09:15, 6.24s/it]print_dice: 0.489656925201416
, print_iou: 0.32420244812965393
7124 print_dice: 0.597019612789154, print_iou: 0.4255366623401642
7125 Epoch 39/499: 46%|██████| 73/160 [07:36<09:01, 6.22s/it]print_dice: 0.5379021167755127
, print_iou: 0.36789748072624207
7126 print_dice: 0.4610705077648163, print_iou: 0.29960471391677856
7127 Epoch 39/499: 47%|██████| 75/160 [07:49<08:51, 6.25s/it]print_dice: 0.5105996131896973
, print_iou: 0.34282225370407104
7128 Epoch 39/499: 48%|██████| 76/160 [07:55<08:44, 6.24s/it]print_dice: 0.
47992759943008423, print_iou: 0.3157268166542053
7129 Epoch 39/499: 48%|██████| 77/160 [08:01<08:38, 6.25s/it]print_dice: 0.5206430554389954
, print_iou: 0.35193878412246704
7130 print_dice: 0.5262235403060913, print_iou: 0.3570578992366791
7131 Epoch 39/499: 49%|██████| 79/160 [08:14<08:21, 6.19s/it]print_dice: 0.5922263264656067
, print_iou: 0.4206829071044922
7132 Epoch 39/499: 50%|██████| 80/160 [08:20<08:11, 6.15s/it]print_dice: 0.5389761328697205
, print_iou: 0.3689030110836029
7133 Epoch 39/499: 51%|██████| 81/160 [08:26<08:09, 6.20s/it]print_dice: 0.5243191123008728
, print_iou: 0.35530656576156616
7134 Epoch 39/499: 51%|██████| 82/160 [08:32<08:03, 6.20s/it]print_dice: 0.5458333492279053
, print_iou: 0.3753581643104553
7135 Epoch 39/499: 52%|██████| 83/160 [08:38<07:55, 6.18s/it]print_dice: 0.4416577219963074
, print_iou: 0.2834151089191437
7136 Epoch 39/499: 52%|██████| 84/160 [08:45<07:51, 6.20s/it]print_dice: 0.5834668278694153
, print_iou: 0.41189777851104736
7137 print_dice: 0.5867745280265808, print_iou: 0.4152023196220398
7138 Epoch 39/499: 54%|██████| 86/160 [08:57<07:44, 6.27s/it]print_dice: 0.4965929388999939
, print_iou: 0.33031168580055237
7139 Epoch 39/499: 54%|██████| 87/160 [09:03<07:34, 6.23s/it]print_dice: 0.
49710410833358765, print_iou: 0.33076417446136475
7140 Epoch 39/499: 55%|██████| 88/160 [09:10<07:28, 6.22s/it]print_dice: 0.5375025868415833
, print_iou: 0.36752378940582275
7141 Epoch 39/499: 56%|██████| 89/160 [09:16<07:19, 6.18s/it]print_dice: 0.5486854314804077
, print_iou: 0.3780609965324402
7142 Epoch 39/499: 56%|██████| 90/160 [09:22<07:12, 6.18s/it]print_dice: 0.4896731376647949
, print_iou: 0.32421666383743286
7143 Epoch 39/499: 57%|██████| 91/160 [09:28<07:08, 6.20s/it]print_dice: 0.5098225474357605
, print_iou: 0.34212201833724976
7144 Epoch 39/499: 57%|██████| 92/160 [09:34<07:00, 6.19s/it]print_dice: 0.
47133272886276245, print_iou: 0.30832919478416443
7145 Epoch 39/499: 58%|██████| 93/160 [09:41<06:56, 6.21s/it]print_dice: 0.5266697406768799
, print_iou: 0.3574689030647278
7146 Epoch 39/499: 59%|██████| 94/160 [09:47<06:55, 6.29s/it]print_dice: 0.5677148699760437
, print_iou: 0.396369993686676
7147 print_dice: 0.5907730460166931, print_iou: 0.4192178249359131
7148 Epoch 39/499: 60%|██████| 96/160 [09:59<06:38, 6.22s/it]print_dice: 0.5295016169548035
, print_iou: 0.36008310317993164
7149 print_dice: 0.46912938356399536, print_iou: 0.3064461350440979
7150 Epoch 39/499: 61%|██████| 98/160 [10:12<06:26, 6.23s/it]print_dice: 0.5258657336235046
, print_iou: 0.35672852396965027
7151 Epoch 39/499: 62%|██████| 99/160 [10:18<06:19, 6.22s/it]print_dice: 0.4641362726688385
, print_iou: 0.3021988868713379
7152 print_dice: 0.5723915696144104, print_iou: 0.4009443521499634

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7153 Epoch 39/499: 63%|███████| 101/160 [10:30<06:07, 6.23s/it]print_dice: 0.5274736285209656, print_iou: 0.3582099974155426
7154 [100/160] eta: 0:06:14 time: 6.2247 data: 0.0007
7155 Epoch 39/499: 64%|███████| 102/160 [10:37<06:02, 6.24s/it]print_dice: 0.5408663749694824, print_iou: 0.3706763982772827
7156 Epoch 39/499: 64%|███████| 103/160 [10:43<05:54, 6.22s/it]print_dice: 0.6145678162574768, print_iou: 0.4435928761959076
7157 Epoch 39/499: 65%|███████| 104/160 [10:49<05:46, 6.19s/it]print_dice: 0.4655512571334839, print_iou: 0.3033996820449829
7158 Epoch 39/499: 66%|███████| 105/160 [10:55<05:40, 6.19s/it]print_dice: 0.534538984298706, print_iou: 0.3647582530975342
7159 Epoch 39/499: 66%|███████| 106/160 [11:01<05:32, 6.16s/it]print_dice: 0.5047252178192139, print_iou: 0.33754682540893555
7160 Epoch 39/499: 67%|███████| 107/160 [11:08<05:28, 6.19s/it]print_dice: 0.530724823474884, print_iou: 0.36121541261672974
7161 print_dice: 0.47926124930381775, print_iou: 0.31515029072761536
7162 Epoch 39/499: 68%|███████| 109/160 [11:20<05:14, 6.18s/it]print_dice: 0.5535120964050293, print_iou: 0.38265931606292725
7163 Epoch 39/499: 69%|███████| 110/160 [11:26<05:08, 6.17s/it]print_dice: 0.5012955069541931, print_iou: 0.33448588848114014
7164 Epoch 39/499: 69%|███████| 111/160 [11:32<05:02, 6.16s/it]print_dice: 0.4863642752170563, print_iou: 0.32132187485694885
7165 Epoch 39/499: 70%|███████| 112/160 [11:38<04:55, 6.16s/it]print_dice: 0.5655407905578613, print_iou: 0.394253671169281
7166 Epoch 39/499: 71%|███████| 113/160 [11:45<04:51, 6.19s/it]print_dice: 0.5768250226974487, print_iou: 0.4053085744380951
7167 Epoch 39/499: 71%|███████| 114/160 [11:51<04:45, 6.21s/it]print_dice: 0.5540950298309326, print_iou: 0.3832167685031891
7168 Epoch 39/499: 72%|███████| 115/160 [11:57<04:39, 6.22s/it]print_dice: 0.5246754288673401, print_iou: 0.3556339144706726
7169 Epoch 39/499: 72%|███████| 116/160 [12:03<04:32, 6.20s/it]print_dice: 0.5547305941581726, print_iou: 0.38382503390312195
7170 print_dice: 0.5543102025985718, print_iou: 0.3834226727485657
7171 Epoch 39/499: 74%|███████| 118/160 [12:16<04:20, 6.20s/it]print_dice: 0.4829719662666321, print_iou: 0.3183671832084656
7172 print_dice: 0.5197001099586487, print_iou: 0.3510775864124298
7173 Epoch 39/499: 75%|███████| 120/160 [12:28<04:07, 6.20s/it]print_dice: 0.463815838098526, print_iou: 0.30192723870277405
7174 print_dice: 0.5382512807846069, print_iou: 0.36822420358657837
7175 Epoch 39/499: 76%|███████| 122/160 [12:40<03:54, 6.18s/it]print_dice: 0.5099791884422302, print_iou: 0.3422631323337555
7176 Epoch 39/499: 77%|███████| 123/160 [12:47<03:49, 6.21s/it]print_dice: 0.5887161493301392, print_iou: 0.4171493351459503
7177 print_dice: 0.4947386682033539, print_iou: 0.32867294549942017
7178 Epoch 39/499: 78%|███████| 125/160 [12:59<03:39, 6.27s/it]print_dice: 0.4878331124782562, print_iou: 0.32260534167289734
7179 Epoch 39/499: 79%|███████| 126/160 [13:06<03:33, 6.29s/it]print_dice: 0.4385157823562622, print_iou: 0.2808326780796051
7180 Epoch 39/499: 79%|███████| 127/160 [13:12<03:28, 6.32s/it]print_dice: 0.5162627100944519, print_iou: 0.34794753789901733
7181 Epoch 39/499: 80%|███████| 128/160 [13:18<03:20, 6.27s/it]print_dice: 0.5371190309524536, print_iou: 0.3671652376651764
7182 Epoch 39/499: 81%|███████| 129/160 [13:24<03:13, 6.23s/it]print_dice: 0.5768969655036926, print_iou: 0.40537959337234497
7183 Epoch 39/499: 81%|███████| 130/160 [13:30<03:06, 6.22s/it]print_dice: 0.5873422026634216, print_iou: 0.4157710075378418
7184 Epoch 39/499: 82%|███████| 131/160 [13:37<02:59, 6.19s/it]print_dice: 0.5910931825637817, print_iou: 0.41954028606414795
7185 print_dice: 0.5533952713012695, print_iou: 0.38254767656326294
7186 Epoch 39/499: 83%|███████| 133/160 [13:49<02:46, 6.17s/it]print_dice: 0.4518371522426605, print_iou: 0.29185375571250916
7187 print_dice: 0.47355917096138, print_iou: 0.31023749709129333
7188 Epoch 39/499: 84%|███████| 135/160 [14:01<02:34, 6.20s/it]print_dice: 0.5440382361412048, print_iou: 0.37366244196891785
7189 Epoch 39/499: 85%|███████| 136/160 [14:08<02:28, 6.20s/it]print_dice: 0.48503294587135315, print_iou: 0.32016071677207947
7190 Epoch 39/499: 86%|███████| 137/160 [14:14<02:23, 6.22s/it]print_dice: 0.5305145382881165, print_iou: 0.36102059483528137
7191 Epoch 39/499: 86%|███████| 138/160 [14:20<02:16, 6.19s/it]print_dice: 0.

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7191 5439767837524414, print_iou: 0.3736044764518738
7192 Epoch 39/499: 87%|██████████| 139/160 [14:26<02:09, 6.18s/it]print_dice: 0.
5430694818496704, print_iou: 0.37274906039237976
7193 Epoch 39/499: 88%|██████████| 140/160 [14:32<02:03, 6.19s/it]print_dice: 0.
4610573351383209, print_iou: 0.29959359765052795
7194 print_dice: 0.46875715255737305, print_iou: 0.30612853169441223
7195 Epoch 39/499: 89%|██████████| 142/160 [14:45<01:52, 6.24s/it]print_dice: 0.
5174246430397034, print_iou: 0.34900394082069397
7196 Epoch 39/499: 89%|██████████| 143/160 [14:51<01:45, 6.19s/it]print_dice: 0.
41357216238975525, print_iou: 0.2606939673423767
7197 Epoch 39/499: 90%|██████████| 144/160 [14:57<01:38, 6.15s/it]print_dice: 0.
5347163081169128, print_iou: 0.3649234175682068
7198 print_dice: 0.4509102404117584, print_iou: 0.2910807728767395
7199 Epoch 39/499: 91%|██████████| 146/160 [15:10<01:27, 6.27s/it]print_dice: 0.
5221255421638489, print_iou: 0.35329490900039673
7200 Epoch 39/499: 92%|██████████| 147/160 [15:16<01:22, 6.37s/it]print_dice: 0.
4886893332004547, print_iou: 0.32335466146469116
7201 Epoch 39/499: 92%|██████████| 148/160 [15:23<01:16, 6.36s/it]print_dice: 0.
4973771572113037, print_iou: 0.3310059905052185
7202 Epoch 39/499: 93%|██████████| 149/160 [15:29<01:10, 6.42s/it]print_dice: 0.
5642424821853638, print_iou: 0.39299288392066956
7203 Epoch 39/499: 94%|██████████| 150/160 [15:36<01:04, 6.48s/it]print_dice: 0.
5610970854759216, print_iou: 0.3899478614330292
7204 Epoch 39/499: 94%|██████████| 151/160 [15:43<00:59, 6.61s/it]print_dice: 0.
5655301213264465, print_iou: 0.3942432999610901
7205 Epoch 39/499: 95%|██████████| 152/160 [15:50<00:53, 6.66s/it]print_dice: 0.
5034419298171997, print_iou: 0.3363998830318451
7206 Epoch 39/499: 96%|██████████| 153/160 [15:56<00:47, 6.75s/it]print_dice: 0.610016405582428
, print_iou: 0.43886587023735046
7207 Epoch 39/499: 96%|██████████| 154/160 [16:03<00:40, 6.68s/it]print_dice: 0.
5647156238555908, print_iou: 0.3934520483016968
7208 print_dice: 0.568092405796051, print_iou: 0.396738201379776
7209 Epoch 39/499: 98%|██████████| 156/160 [16:15<00:25, 6.46s/it]print_dice: 0.
5685381293296814, print_iou: 0.39717307686805725
7210 Epoch 39/499: 98%|██████████| 157/160 [16:22<00:19, 6.40s/it]print_dice: 0.
5152255296707153, print_iou: 0.3470059037208557
7211 Epoch 39/499: 99%|██████████| 158/160 [16:28<00:12, 6.36s/it]print_dice: 0.
5549225211143494, print_iou: 0.38400882482528687
7212 Epoch 39/499: 99%|██████████| 159/160 [16:34<00:06, 6.28s/it]print_dice: 0.
5692325830459595, print_iou: 0.39785125851631165
7213 Epoch 39/499: 100%|██████████| 160/160 [16:40<00:00, 6.23s/it]print_dice: 0.
5491288304328918, print_iou: 0.3784821629524231
7214 [159/160] eta: 0:00:06 time: 6.3985 data: 0.0031
7215 Total time: 0:16:41 (6.2596 s / it)
7216 Averaged stats: training_loss: -77.4174 (-77.4174) loss_mask: -77.6360 (-77.6360)
loss_dice: 0.2186 (0.2186)
7217 Epoch 39/499: 100%|██████████| 160/160 [16:41<00:00, 6.26s/it]
7218 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8400874222862
7219 Validating...
7220 Valid_dataloader len: 12
7221 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.6725e-04, 1.
7565e-04, 1.8119e-04, ..., 1.0000e+00, 1.0000e+00,
7222 1.0000e+00], grad_fn=<Unique2Backward0>)
7223 8%|██████████| 1/12 [00:12<02:20, 12.80s/it]print_dice: 0.5658273100852966, print_iou: 0.
3945322334766388
7224 [ 0/12] eta: 0:02:33 time: 12.7975 data: 8.7271
7225 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2916e-04, 2.
3043e-04, 2.3290e-04, ..., 1.0000e+00, 1.0000e+00,
7226 1.0000e+00], grad_fn=<Unique2Backward0>)
7227 print_dice: 0.6162586212158203, print_iou: 0.4453568160533905
7228 17%|██████████| 2/12 [00:16<01:17, 7.70s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([1.9300e-04, 2.0277e-04, 2.0943e-04, ..., 1.0000e+00, 1.
0000e+00,
7229 1.0000e+00], grad_fn=<Unique2Backward0>)
7230 25%|██████████| 3/12 [00:21<00:55, 6.11s/it]print_dice: 0.5399728417396545, print_iou: 0.
36983755230903625
7231 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.7138e-04, 2.
8084e-04, 2.8349e-04, ..., 1.0000e+00, 1.0000e+00,
7232 1.0000e+00], grad_fn=<Unique2Backward0>)

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7233 33%|██████| 4/12 [00:25<00:42, 5.36s/it]print_dice: 0.5270773768424988, print_iou: 0.
3578445613384247
7234 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.9080e-04, 1.
9926e-04, 2.0234e-04, ..., 1.0000e+00, 1.0000e+00,
7235 1.0000e+00], grad_fn=<Unique2Backward0>)
7236 42%|██████| 5/12 [00:29<00:34, 4.95s/it]print_dice: 0.5795861482620239, print_iou: 0.
4080403745174408
7237 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([4.9644e-04, 5.
4342e-04, 5.5466e-04, ..., 9.9999e-01, 9.9999e-01,
7238 9.9999e-01], grad_fn=<Unique2Backward0>)
7239 50%|██████| 6/12 [00:33<00:28, 4.68s/it]print_dice: 0.5165485143661499, print_iou: 0.
3482072353363037
7240 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2893e-04, 2.
3032e-04, 2.3317e-04, ..., 1.0000e+00, 1.0000e+00,
7241 1.0000e+00], grad_fn=<Unique2Backward0>)
7242 print_dice: 0.4456317126750946, print_iou: 0.28669634461402893
7243 58%|██████| 7/12 [00:38<00:22, 4.59s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([9.9922e-05, 1.0756e-04, 1.0763e-04, ..., 1.0000e+00, 1.
0000e+00,
7244 1.0000e+00], grad_fn=<Unique2Backward0>)
7245 67%|██████| 8/12 [00:42<00:17, 4.44s/it]print_dice: 0.5546513795852661, print_iou: 0.
38374921679496765
7246 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.9295e-04, 1.
9838e-04, 1.9929e-04, ..., 1.0000e+00, 1.0000e+00,
7247 1.0000e+00], grad_fn=<Unique2Backward0>)
7248 75%|██████| 9/12 [00:46<00:13, 4.38s/it]print_dice: 0.5715755820274353, print_iou: 0.
400144100189209
7249 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.2355e-04, 5.
2773e-04, 5.4282e-04, ..., 9.9999e-01, 9.9999e-01,
7250 9.9999e-01], grad_fn=<Unique2Backward0>)
7251 83%|██████| 10/12 [00:50<00:08, 4.31s/it]print_dice: 0.5772625803947449, print_iou: 0
.40574076771736145
7252 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.2462e-04, 6.
2723e-04, 6.3234e-04, ..., 9.9998e-01, 9.9998e-01,
7253 9.9999e-01], grad_fn=<Unique2Backward0>)
7254 92%|██████| 11/12 [00:54<00:04, 4.24s/it]print_dice: 0.621664822101593, print_iou: 0.
4510258436203003
7255 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2900e-04, 2.
3034e-04, 2.3311e-04, ..., 1.0000e+00, 1.0000e+00,
7256 1.0000e+00], grad_fn=<Unique2Backward0>)
7257 100%|██████| 12/12 [00:58<00:00, 4.20s/it]print_dice: 0.5894752740859985, print_iou: 0
.4179120361804962
7258 [11/12] eta: 0:00:04 time: 4.9048 data: 0.7280
7259 Total time: 0:00:59 (4.9613 s / it)
7260 =====
7261 Averaged stats:
7262 100%|██████| 12/12 [00:59<00:00, 4.96s/it]
7263 Epoch 40/499: 0%| 0/160 [00:00<?, ?it/s]epoch: 40 learning rate: 1e-08
7264 Epoch 40/499: 1%| 1/160 [00:11<30:51, 11.65s/it]print_dice: 0.6025627255439758
, print_iou: 0.43119123578071594
7265 [ 0/160] eta: 0:31:03 time: 11.6469 data: 5.0428
7266 Epoch 40/499: 1%| 2/160 [00:17<22:18, 8.47s/it]print_dice: 0.5430032014846802
, print_iou: 0.37268662452697754
7267 Epoch 40/499: 2%| 3/160 [00:24<19:32, 7.47s/it]print_dice: 0.4610012173652649
, print_iou: 0.29954618215560913
7268 Epoch 40/499: 2%| 4/160 [00:30<18:09, 6.98s/it]print_dice: 0.5954338312149048
, print_iou: 0.4239272177219391
7269 Epoch 40/499: 3%| 5/160 [00:36<17:20, 6.72s/it]print_dice: 0.5875438451766968
, print_iou: 0.41597312688827515
7270 Epoch 40/499: 4%| 6/160 [00:42<16:48, 6.55s/it]print_dice: 0.5185609459877014
, print_iou: 0.35003867745399475
7271 Epoch 40/499: 4%| 7/160 [00:49<16:28, 6.46s/it]print_dice: 0.44311174750328064
, print_iou: 0.2846137285232544
7272 Epoch 40/499: 5%| 8/160 [00:55<16:13, 6.41s/it]print_dice: 0.47222959995269775
, print_iou: 0.3090972304344177
7273 print_dice: 0.54749995470047, print_iou: 0.37693628668785095
7274 Epoch 40/499: 6%| 10/160 [01:08<15:52, 6.35s/it]print_dice: 0.4775424599647522
, print_iou: 0.3136655390262604
7275 Epoch 40/499: 7%| 11/160 [01:14<15:45, 6.35s/it]print_dice: 0.5673949122428894

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7275 , print_iou: 0.39605817198753357
7276 Epoch 40/499: 8%|██████████| 12/160 [01:20<15:35, 6.32s/it]print_dice: 0.5211981534957886
, print_iou: 0.3524462580680847
7277 print_dice: 0.5080685615539551, print_iou: 0.340544193983078
7278 Epoch 40/499: 9%|██████████| 14/160 [01:33<15:12, 6.25s/it]print_dice: 0.5683370232582092
, print_iou: 0.3969767987728119
7279 Epoch 40/499: 9%|██████████| 15/160 [01:39<15:06, 6.25s/it]print_dice: 0.
47176599502563477, print_iou: 0.3087001144886017
7280 print_dice: 0.623309850692749, print_iou: 0.4527597427368164
7281 Epoch 40/499: 11%|██████████| 17/160 [01:51<14:51, 6.24s/it]print_dice: 0.5045122504234314
, print_iou: 0.337356299161911
7282 Epoch 40/499: 11%|██████████| 18/160 [01:57<14:46, 6.24s/it]print_dice: 0.5752981305122375
, print_iou: 0.4038024842739105
7283 Epoch 40/499: 12%|██████████| 19/160 [02:04<14:47, 6.30s/it]print_dice: 0.5535888075828552
, print_iou: 0.38273265957832336
7284 print_dice: 0.563338577747345, print_iou: 0.3921164274215698
7285 Epoch 40/499: 13%|██████████| 21/160 [02:17<14:39, 6.33s/it]print_dice: 0.4224800765514374
, print_iou: 0.2678128182888031
7286 print_dice: 0.5878721475601196, print_iou: 0.416302353143692
7287 Epoch 40/499: 14%|██████████| 23/160 [02:29<14:21, 6.29s/it]print_dice: 0.5882256031036377
, print_iou: 0.4166569411754608
7288 Epoch 40/499: 15%|██████████| 24/160 [02:35<14:16, 6.29s/it]print_dice: 0.561953067779541
, print_iou: 0.390775203704834
7289 print_dice: 0.5544189810752869, print_iou: 0.3835267424583435
7290 Epoch 40/499: 16%|██████████| 26/160 [02:48<14:02, 6.29s/it]print_dice: 0.5270662307739258
, print_iou: 0.3578343093395233
7291 Epoch 40/499: 17%|██████████| 27/160 [02:54<13:53, 6.26s/it]print_dice: 0.5186117887496948
, print_iou: 0.35008499026298523
7292 Epoch 40/499: 18%|██████████| 28/160 [03:00<13:48, 6.28s/it]print_dice: 0.5711057186126709
, print_iou: 0.3996836841106415
7293 Epoch 40/499: 18%|██████████| 29/160 [03:07<13:36, 6.23s/it]print_dice: 0.4874787926673889
, print_iou: 0.32229548692703247
7294 Epoch 40/499: 19%|██████████| 30/160 [03:13<13:31, 6.25s/it]print_dice: 0.5670563578605652
, print_iou: 0.39572831988334656
7295 Epoch 40/499: 19%|██████████| 31/160 [03:19<13:28, 6.27s/it]print_dice: 0.5866425633430481
, print_iou: 0.41507020592689514
7296 Epoch 40/499: 20%|██████████| 32/160 [03:25<13:22, 6.27s/it]print_dice: 0.
48849743604660034, print_iou: 0.3231866657733917
7297 Epoch 40/499: 21%|██████████| 33/160 [03:32<13:10, 6.22s/it]print_dice: 0.5186720490455627
, print_iou: 0.35013991594314575
7298 Epoch 40/499: 21%|██████████| 34/160 [03:38<13:04, 6.22s/it]print_dice: 0.5179814696311951
, print_iou: 0.3495107889175415
7299 Epoch 40/499: 22%|██████████| 35/160 [03:44<13:03, 6.27s/it]print_dice: 0.5270661115646362
, print_iou: 0.35783421993255615
7300 Epoch 40/499: 22%|██████████| 36/160 [03:50<12:53, 6.24s/it]print_dice: 0.4567160904407501
, print_iou: 0.29593783617019653
7301 print_dice: 0.5072931051254272, print_iou: 0.33984777331352234
7302 Epoch 40/499: 24%|██████████| 38/160 [04:03<12:40, 6.23s/it]print_dice: 0.
48702487349510193, print_iou: 0.32189878821372986
7303 Epoch 40/499: 24%|██████████| 39/160 [04:09<12:35, 6.25s/it]print_dice: 0.5456222295761108
, print_iou: 0.37515851855278015
7304 Epoch 40/499: 25%|██████████| 40/160 [04:15<12:28, 6.24s/it]print_dice: 0.5127674341201782
, print_iou: 0.3447795808315277
7305 Epoch 40/499: 26%|██████████| 41/160 [04:22<12:21, 6.23s/it]print_dice: 0.558580756187439
, print_iou: 0.387521356344223
7306 Epoch 40/499: 26%|██████████| 42/160 [04:28<12:13, 6.21s/it]print_dice: 0.5158553123474121
, print_iou: 0.3475775420665741
7307 Epoch 40/499: 27%|██████████| 43/160 [04:34<12:10, 6.25s/it]print_dice: 0.5301865339279175
, print_iou: 0.360716849565506
7308 Epoch 40/499: 28%|██████████| 44/160 [04:40<12:04, 6.25s/it]print_dice: 0.586604654788971
, print_iou: 0.4150322377681732
7309 Epoch 40/499: 28%|██████████| 45/160 [04:47<11:59, 6.26s/it]print_dice: 0.5145869851112366
, print_iou: 0.34642690420150757
7310 print_dice: 0.4317339062690735, print_iou: 0.2752937972545624
7311 Epoch 40/499: 29%|██████████| 47/160 [04:59<11:50, 6.29s/it]print_dice: 0.4894494116306305
, print_iou: 0.32402053475379944
7312 print_dice: 0.5700260400772095, print_iou: 0.3986268937587738
7313 Epoch 40/499: 31%|██████████| 49/160 [05:12<11:35, 6.27s/it]print_dice: 0.5642519593238831
, print_iou: 0.39300206303596497

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7314 Epoch 40/499: 31%|██████| 50/160 [05:18<11:29, 6.27s/it]print_dice: 0.5717073082923889
, print_iou: 0.4002732038497925
7315 print_dice: 0.6170376539230347, print_iou: 0.44617098569869995
7316 Epoch 40/499: 32%|██████| 52/160 [05:30<11:17, 6.27s/it]print_dice: 0.5645737051963806
, print_iou: 0.39331427216529846
7317 Epoch 40/499: 33%|██████| 53/160 [05:37<11:11, 6.28s/it]print_dice: 0.5946924090385437
, print_iou: 0.42317599058151245
7318 Epoch 40/499: 34%|██████| 54/160 [05:43<11:03, 6.26s/it]print_dice: 0.5581660866737366
, print_iou: 0.38712233304977417
7319 print_dice: 0.5579676032066345, print_iou: 0.3869313895702362
7320 Epoch 40/499: 35%|██████| 56/160 [05:55<10:46, 6.22s/it]print_dice: 0.5689511895179749
, print_iou: 0.39757636189460754
7321 Epoch 40/499: 36%|██████| 57/160 [06:02<10:42, 6.24s/it]print_dice: 0.500453531742096
, print_iou: 0.3337365984916687
7322 print_dice: 0.4948204755783081, print_iou: 0.32874515652656555
7323 Epoch 40/499: 37%|██████| 59/160 [06:14<10:32, 6.26s/it]print_dice: 0.
47931939363479614, print_iou: 0.3152005672454834
7324 Epoch 40/499: 38%|██████| 60/160 [06:20<10:25, 6.26s/it]print_dice: 0.5794618725776672
, print_iou: 0.4079171419143677
7325 print_dice: 0.5479535460472107, print_iou: 0.37736639380455017
7326 Epoch 40/499: 39%|██████| 62/160 [06:33<10:15, 6.29s/it]print_dice: 0.5162250399589539
, print_iou: 0.34791329503059387
7327 print_dice: 0.44664302468299866, print_iou: 0.28753405809402466
7328 Epoch 40/499: 40%|██████| 64/160 [06:46<10:02, 6.27s/it]print_dice: 0.5995001792907715
, print_iou: 0.4280616044998169
7329 Epoch 40/499: 41%|██████| 65/160 [06:52<09:53, 6.25s/it]print_dice: 0.5393980741500854
, print_iou: 0.36929845809936523
7330 Epoch 40/499: 41%|██████| 66/160 [06:58<09:48, 6.26s/it]print_dice: 0.5414437055587769
, print_iou: 0.3712189197540283
7331 Epoch 40/499: 42%|██████| 67/160 [07:04<09:43, 6.27s/it]print_dice: 0.5432474613189697
, print_iou: 0.3729167580604553
7332 Epoch 40/499: 42%|██████| 68/160 [07:11<09:38, 6.28s/it]print_dice: 0.4792845845222473
, print_iou: 0.3151704668998718
7333 print_dice: 0.5314794182777405, print_iou: 0.36191484332084656
7334 Epoch 40/499: 44%|██████| 70/160 [07:23<09:23, 6.26s/it]print_dice: 0.5133821964263916
, print_iou: 0.3453356921672821
7335 Epoch 40/499: 44%|██████| 71/160 [07:29<09:17, 6.26s/it]print_dice: 0.5411188006401062
, print_iou: 0.3709135353565216
7336 Epoch 40/499: 45%|██████| 72/160 [07:36<09:11, 6.27s/it]print_dice: 0.6020105481147766
, print_iou: 0.43062594532966614
7337 Epoch 40/499: 46%|██████| 73/160 [07:42<09:04, 6.26s/it]print_dice: 0.5424721240997314
, print_iou: 0.37218645215034485
7338 print_dice: 0.5040311813354492, print_iou: 0.33692628145217896
7339 Epoch 40/499: 47%|██████| 75/160 [07:54<08:51, 6.25s/it]print_dice: 0.6012386083602905
, print_iou: 0.4298363924026489
7340 Epoch 40/499: 48%|██████| 76/160 [08:01<08:44, 6.25s/it]print_dice: 0.
46965542435646057, print_iou: 0.3068952262401581
7341 Epoch 40/499: 48%|██████| 77/160 [08:07<08:39, 6.25s/it]print_dice: 0.538006603717804
, print_iou: 0.3679952323436737
7342 print_dice: 0.5782182216644287, print_iou: 0.40668562054634094
7343 Epoch 40/499: 49%|██████| 79/160 [08:20<08:31, 6.31s/it]print_dice: 0.5093825459480286
, print_iou: 0.3417258560657501
7344 Epoch 40/499: 50%|██████| 80/160 [08:26<08:23, 6.29s/it]print_dice: 0.5348206162452698
, print_iou: 0.36502060294151306
7345 Epoch 40/499: 51%|██████| 81/160 [08:32<08:19, 6.32s/it]print_dice: 0.5478165149688721
, print_iou: 0.37723642587661743
7346 print_dice: 0.5926752090454102, print_iou: 0.4211360812187195
7347 Epoch 40/499: 52%|██████| 83/160 [08:45<08:06, 6.32s/it]print_dice: 0.5520508885383606
, print_iou: 0.38126400113105774
7348 Epoch 40/499: 52%|██████| 84/160 [08:51<07:57, 6.29s/it]print_dice: 0.5586702823638916
, print_iou: 0.38760754466056824
7349 Epoch 40/499: 53%|██████| 85/160 [08:57<07:52, 6.29s/it]print_dice: 0.4468052387237549
, print_iou: 0.28766852617263794
7350 print_dice: 0.510032594203949, print_iou: 0.34231123328208923
7351 Epoch 40/499: 54%|██████| 87/160 [09:10<07:38, 6.28s/it]print_dice: 0.4504533112049103
, print_iou: 0.2907000482082367
7352 Epoch 40/499: 55%|██████| 88/160 [09:16<07:31, 6.27s/it]print_dice: 0.4918942153453827
, print_iou: 0.32616692781448364
7353 Epoch 40/499: 56%|██████| 89/160 [09:22<07:24, 6.26s/it]print_dice: 0.5665543675422668

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7353 , print_iou: 0.39523953199386597
7354 Epoch 40/499: 56%|███████| 90/160 [09:29<07:17, 6.25s/it]print_dice: 0.5533329844474792
, print_iou: 0.3824881613254547
7355 print_dice: 0.526620626449585, print_iou: 0.3574236333370209
7356 Epoch 40/499: 57%|███████| 92/160 [09:41<07:06, 6.27s/it]print_dice: 0.5823882818222046
, print_iou: 0.4108235538005829
7357 Epoch 40/499: 58%|███████| 93/160 [09:48<07:00, 6.28s/it]print_dice: 0.4594968259334564
, print_iou: 0.2982771098613739
7358 print_dice: 0.49601349234580994, print_iou: 0.32979917526245117
7359 Epoch 40/499: 59%|███████| 95/160 [10:00<06:48, 6.28s/it]print_dice: 0.5601274967193604
, print_iou: 0.38901185989379883
7360 print_dice: 0.4749947488307953, print_iou: 0.3114708960056305
7361 Epoch 40/499: 61%|███████| 97/160 [10:12<06:31, 6.22s/it]print_dice: 0.5076248049736023
, print_iou: 0.3401455581188202
7362 Epoch 40/499: 61%|███████| 98/160 [10:19<06:26, 6.23s/it]print_dice: 0.5348425507545471
, print_iou: 0.36504101753234863
7363 Epoch 40/499: 62%|███████| 99/160 [10:25<06:21, 6.25s/it]print_dice: 0.5437062382698059
, print_iou: 0.37334930896759033
7364 Epoch 40/499: 62%|███████| 100/160 [10:31<06:15, 6.26s/it]print_dice: 0.
5176998972892761, print_iou: 0.34925445914268494
7365 print_dice: 0.64711594581604, print_iou: 0.4783232510089874
7366 [100/160] eta: 0:06:19 time: 6.2662 data: 0.0003
7367 Epoch 40/499: 64%|███████| 102/160 [10:44<06:04, 6.28s/it]print_dice: 0.
5583879351615906, print_iou: 0.38733577728271484
7368 Epoch 40/499: 64%|███████| 103/160 [10:50<05:58, 6.30s/it]print_dice: 0.
5660171508789062, print_iou: 0.3947168290615082
7369 Epoch 40/499: 65%|███████| 104/160 [10:57<05:53, 6.31s/it]print_dice: 0.
5049784183502197, print_iou: 0.33777332305908203
7370 Epoch 40/499: 66%|███████| 105/160 [11:03<05:47, 6.32s/it]print_dice: 0.
4908480644226074, print_iou: 0.3252476155757904
7371 Epoch 40/499: 66%|███████| 106/160 [11:09<05:41, 6.32s/it]print_dice: 0.
48016080260276794, print_iou: 0.31592869758605957
7372 Epoch 40/499: 67%|███████| 107/160 [11:16<05:36, 6.35s/it]print_dice: 0.
6126630306243896, print_iou: 0.44161081314086914
7373 Epoch 40/499: 68%|███████| 108/160 [11:22<05:30, 6.35s/it]print_dice: 0.
4681049883365631, print_iou: 0.305572509765625
7374 print_dice: 0.620201826095581, print_iou: 0.4494873285293579
7375 Epoch 40/499: 69%|███████| 110/160 [11:35<05:16, 6.34s/it]print_dice: 0.
48139163851737976, print_iou: 0.3169952630996704
7376 Epoch 40/499: 69%|███████| 111/160 [11:41<05:09, 6.32s/it]print_dice: 0.
5340668559074402, print_iou: 0.3643186688423157
7377 Epoch 40/499: 70%|███████| 112/160 [11:47<05:02, 6.30s/it]print_dice: 0.
6109306812286377, print_iou: 0.43981295824050903
7378 Epoch 40/499: 71%|███████| 113/160 [11:54<04:57, 6.33s/it]print_dice: 0.
5373279452323914, print_iou: 0.36736050248146057
7379 Epoch 40/499: 71%|███████| 114/160 [12:00<04:50, 6.32s/it]print_dice: 0.52960604429245
, print_iou: 0.36017969250679016
7380 Epoch 40/499: 72%|███████| 115/160 [12:06<04:47, 6.38s/it]print_dice: 0.499529093503952
, print_iou: 0.33291488885879517
7381 Epoch 40/499: 72%|███████| 116/160 [12:13<04:41, 6.40s/it]print_dice: 0.
5309897065162659, print_iou: 0.3614608645439148
7382 Epoch 40/499: 73%|███████| 117/160 [12:19<04:35, 6.40s/it]print_dice: 0.
5825585126876831, print_iou: 0.41099298000335693
7383 print_dice: 0.5102301239967346, print_iou: 0.34248921275138855
7384 Epoch 40/499: 74%|███████| 119/160 [12:32<04:20, 6.36s/it]print_dice: 0.524326741695404
, print_iou: 0.35531356930732727
7385 Epoch 40/499: 75%|███████| 120/160 [12:38<04:12, 6.32s/it]print_dice: 0.
4979269504547119, print_iou: 0.33149316906929016
7386 Epoch 40/499: 76%|███████| 121/160 [12:44<04:06, 6.33s/it]print_dice: 0.
4910513460636139, print_iou: 0.3254261612892151
7387 Epoch 40/499: 76%|███████| 122/160 [12:51<03:59, 6.31s/it]print_dice: 0.
5042550563812256, print_iou: 0.33712634444236755
7388 print_dice: 0.5227055549621582, print_iou: 0.35382625460624695
7389 Epoch 40/499: 78%|███████| 124/160 [13:03<03:45, 6.25s/it]print_dice: 0.
5262376666069031, print_iou: 0.3570709228515625
7390 Epoch 40/499: 78%|███████| 125/160 [13:09<03:39, 6.27s/it]print_dice: 0.
5309852957725525, print_iou: 0.3614567518234253
7391 print_dice: 0.44518181681632996, print_iou: 0.28632405400276184
7392 Epoch 40/499: 79%|███████| 127/160 [13:22<03:26, 6.26s/it]print_dice: 0.
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7392 5523900985717773, print_iou: 0.3815877139568329
7393 Epoch 40/499: 80%|██████████| 128/160 [13:28<03:20, 6.26s/it]print_dice: 0.
5358241200447083, print_iou: 0.3659560978412628
7394 Epoch 40/499: 81%|██████████| 129/160 [13:34<03:13, 6.24s/it]print_dice: 0.
44218653440475464, print_iou: 0.283850759267807
7395 print_dice: 0.5419204831123352, print_iou: 0.3716673254966736
7396 Epoch 40/499: 82%|██████████| 131/160 [13:47<02:59, 6.20s/it]print_dice: 0.
5418223142623901, print_iou: 0.3715749979019165
7397 print_dice: 0.6088194847106934, print_iou: 0.43762797117233276
7398 Epoch 40/499: 83%|██████████| 133/160 [13:59<02:46, 6.18s/it]print_dice: 0.
4721854329109192, print_iou: 0.30905938148498535
7399 Epoch 40/499: 84%|██████████| 134/160 [14:05<02:41, 6.21s/it]print_dice: 0.
4663516581058502, print_iou: 0.30407992005348206
7400 Epoch 40/499: 84%|██████████| 135/160 [14:12<02:35, 6.23s/it]print_dice: 0.
5852435231208801, print_iou: 0.4136708676815033
7401 Epoch 40/499: 85%|██████████| 136/160 [14:18<02:29, 6.21s/it]print_dice: 0.
5000669360160828, print_iou: 0.33339282870292664
7402 Epoch 40/499: 86%|██████████| 137/160 [14:24<02:22, 6.20s/it]print_dice: 0.
4183564782142639, print_iou: 0.2645074427127838
7403 Epoch 40/499: 86%|██████████| 138/160 [14:30<02:16, 6.19s/it]print_dice: 0.
5494717955589294, print_iou: 0.37880805134773254
7404 Epoch 40/499: 87%|██████████| 139/160 [14:36<02:10, 6.23s/it]print_dice: 0.
5474911332130432, print_iou: 0.37692791223526
7405 Epoch 40/499: 88%|██████████| 140/160 [14:43<02:04, 6.23s/it]print_dice: 0.
5337198376655579, print_iou: 0.3639957904815674
7406 Epoch 40/499: 88%|██████████| 141/160 [14:49<01:58, 6.25s/it]print_dice: 0.52382892370224
, print_iou: 0.3548565208911896
7407 Epoch 40/499: 89%|██████████| 142/160 [14:55<01:52, 6.27s/it]print_dice: 0.
5349520444869995, print_iou: 0.3651430010795593
7408 Epoch 40/499: 89%|██████████| 143/160 [15:02<01:46, 6.28s/it]print_dice: 0.
5496894717216492, print_iou: 0.3790150284767151
7409 Epoch 40/499: 90%|██████████| 144/160 [15:08<01:40, 6.27s/it]print_dice: 0.
5136967301368713, print_iou: 0.34562036395072937
7410 Epoch 40/499: 91%|██████████| 145/160 [15:14<01:34, 6.30s/it]print_dice: 0.
5407323241233826, print_iou: 0.3705504834651947
7411 Epoch 40/499: 91%|██████████| 146/160 [15:20<01:28, 6.31s/it]print_dice: 0.
5975799560546875, print_iou: 0.4261062741279602
7412 Epoch 40/499: 92%|██████████| 147/160 [15:27<01:21, 6.26s/it]print_dice: 0.
4970598518848419, print_iou: 0.3307249844074249
7413 Epoch 40/499: 92%|██████████| 148/160 [15:33<01:14, 6.18s/it]print_dice: 0.
5158683657646179, print_iou: 0.347589373588562
7414 Epoch 40/499: 93%|██████████| 149/160 [15:39<01:08, 6.19s/it]print_dice: 0.
5301251411437988, print_iou: 0.3606600761413574
7415 Epoch 40/499: 94%|██████████| 150/160 [15:45<01:02, 6.21s/it]print_dice: 0.
5138347148895264, print_iou: 0.34574535489082336
7416 Epoch 40/499: 94%|██████████| 151/160 [15:51<00:56, 6.24s/it]print_dice: 0.
5513237714767456, print_iou: 0.38057073950767517
7417 Epoch 40/499: 95%|██████████| 152/160 [15:58<00:49, 6.23s/it]print_dice: 0.476052463054657
, print_iou: 0.31238114833831787
7418 Epoch 40/499: 96%|██████████| 153/160 [16:04<00:43, 6.27s/it]print_dice: 0.
5682272911071777, print_iou: 0.3968697488307953
7419 Epoch 40/499: 96%|██████████| 154/160 [16:10<00:37, 6.27s/it]print_dice: 0.
5635336637496948, print_iou: 0.39230549335479736
7420 Epoch 40/499: 97%|██████████| 155/160 [16:17<00:31, 6.28s/it]print_dice: 0.
5487398505210876, print_iou: 0.37811264395713806
7421 Epoch 40/499: 98%|██████████| 156/160 [16:23<00:24, 6.25s/it]print_dice: 0.
5070481896400452, print_iou: 0.3396279811859131
7422 Epoch 40/499: 98%|██████████| 157/160 [16:29<00:18, 6.24s/it]print_dice: 0.
5075892210006714, print_iou: 0.3401136100292206
7423 Epoch 40/499: 99%|██████████| 158/160 [16:35<00:12, 6.25s/it]print_dice: 0.
4788226783275604, print_iou: 0.3147711157798767
7424 print_dice: 0.4916211664676666, print_iou: 0.32592687010765076
7425 Epoch 40/499: 100%|██████████| 160/160 [16:47<00:00, 6.16s/it]print_dice: 0.
5426125526428223, print_iou: 0.37231868505477905
7426 [159/160] eta: 0:00:06 time: 6.2367 data: 0.0004
7427 Epoch 40/499: 100%|██████████| 160/160 [16:48<00:00, 6.30s/it]
7428 Total time: 0:16:48 (6.3044 s / it)
7429 Averaged stats: training_loss: -464.9484 (-464.9484) loss_mask: -464.8855 (-464.8855)
loss_dice: -0.0629 (-0.0629)

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7430 Net parameter norm: 1053.840111751575
7431 Validating...
7432 Valid_data_loader len: 12
7433 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
sigmoid values: tensor([1.6733e-04, 1.7544e-04, 1.8108e-04, ..., 1.0000e+00, 1.0000e+00,
7434 1.0000e+00], grad_fn=<Unique2Backward0>)
7435 8%|███████| 1/12 [00:08<01:37, 8.82s/it]print_dice: 0.5641132593154907, print_iou: 0.
3928675055503845
7436 [ 0/12] eta: 0:01:45 time: 8.8224 data: 4.7319
7437 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.8480e-04, 7.
2563e-04, 7.2853e-04, ..., 9.9999e-01, 9.9999e-01,
7438 9.9999e-01], grad_fn=<Unique2Backward0>)
7439 17%|███████| 2/12 [00:13<01:01, 6.17s/it]print_dice: 0.6119294166564941, print_iou: 0.
4408489167690277
7440 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2904e-04, 2.
3016e-04, 2.3276e-04, ..., 1.0000e+00, 1.0000e+00,
7441 1.0000e+00], grad_fn=<Unique2Backward0>)
7442 print_dice: 0.53959721326828, print_iou: 0.36948519945144653
7443 25%|███████| 3/12 [00:17<00:47, 5.24s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.7158e-04, 2.8056e-04, 2.8275e-04, ..., 1.0000e+00, 1.
0000e+00,
7444 1.0000e+00], grad_fn=<Unique2Backward0>)
7445 print_dice: 0.5261684656143188, print_iou: 0.3570071756839752
7446 33%|███████| 4/12 [00:21<00:38, 4.80s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([6.4053e-04, 6.5595e-04, 6.8048e-04, ..., 9.9998e-01, 9.
9998e-01,
7447 9.9998e-01], grad_fn=<Unique2Backward0>)
7448 42%|███████| 5/12 [00:25<00:31, 4.55s/it]print_dice: 0.5822067856788635, print_iou: 0.
41064295172691345
7449 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.2706e-04, 1.
2876e-04, 1.2880e-04, ..., 1.0000e+00, 1.0000e+00,
7450 1.0000e+00], grad_fn=<Unique2Backward0>)
7451 50%|███████| 6/12 [00:29<00:26, 4.42s/it]print_dice: 0.5168116688728333, print_iou: 0.
34844642877578735
7452 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.9445e-04, 7.
1777e-04, 7.2956e-04, ..., 9.9998e-01, 9.9998e-01,
7453 9.9998e-01], grad_fn=<Unique2Backward0>)
7454 58%|███████| 7/12 [00:34<00:21, 4.40s/it]print_dice: 0.4441017210483551, print_iou: 0.
2854310870170593
7455 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2910e-04, 2.
3027e-04, 2.3278e-04, ..., 1.0000e+00, 1.0000e+00,
7456 1.0000e+00], grad_fn=<Unique2Backward0>)
7457 67%|███████| 8/12 [00:38<00:17, 4.30s/it]print_dice: 0.5510563254356384, print_iou: 0.
3803158700466156
7458 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.7330e-04, 6.
3027e-04, 6.3057e-04, ..., 9.9999e-01, 9.9999e-01,
7459 9.9999e-01], grad_fn=<Unique2Backward0>)
7460 75%|███████| 9/12 [00:42<00:12, 4.26s/it]print_dice: 0.567484438419342, print_iou: 0.
39614540338516235
7461 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0010, 0.0011
, 0.0011, ..., 1.0000, 1.0000, 1.0000],
7462 grad_fn=<Unique2Backward0>)
7463 83%|███████| 10/12 [00:46<00:08, 4.19s/it]print_dice: 0.573283314704895, print_iou: 0.
40182000398635864
7464 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2918e-04, 2.
3030e-04, 2.3272e-04, ..., 1.0000e+00, 1.0000e+00,
7465 1.0000e+00], grad_fn=<Unique2Backward0>)
7466 92%|███████| 11/12 [00:50<00:04, 4.16s/it]print_dice: 0.6202210187911987, print_iou: 0.
44950753450393677
7467 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2914e-04, 2.
3024e-04, 2.3271e-04, ..., 1.0000e+00, 1.0000e+00,
7468 1.0000e+00], grad_fn=<Unique2Backward0>)
7469 100%|███████| 12/12 [00:54<00:00, 4.14s/it]print_dice: 0.5883119702339172, print_iou: 0.
41674360632896423
7470 [11/12] eta: 0:00:04 time: 4.5419 data: 0.3948
7471 100%|███████| 12/12 [00:55<00:00, 4.59s/it]
7472 Total time: 0:00:55 (4.5862 s / it)
7473 =====
7474 Averaged stats:

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7475 come here save at work_dirs/DrSAM_b
7476 epoch:    41    learning rate:    1e-08
7477 Epoch 41/499:    1%|          | 1/160 [00:10<27:52, 10.52s/it]print_dice: 0.6221765875816345
,    print_iou: 0.4515647888183594
7478 [ 0/160] eta: 0:28:03    time: 10.5196    data: 4.1274
7479 Epoch 41/499:    1%||         | 2/160 [00:16<21:12, 8.05s/it]print_dice: 0.5848039388656616
,    print_iou: 0.413231760263443
7480 print_dice: 0.5625211596488953,    print_iou: 0.39132481813430786
7481 Epoch 41/499:    2%||         | 4/160 [00:29<17:49, 6.86s/it]print_dice: 0.5452602505683899
,    print_iou: 0.3748163878917694
7482 Epoch 41/499:    3%||         | 5/160 [00:35<17:14, 6.67s/it]print_dice: 0.535895824432373
,    print_iou: 0.3660230338573456
7483 print_dice: 0.5241739749908447,    print_iou: 0.3551732897758484
7484 Epoch 41/499:    4%||         | 7/160 [00:48<16:19, 6.40s/it]print_dice: 0.5407940745353699
,    print_iou: 0.37060847878456116
7485 Epoch 41/499:    5%||         | 8/160 [00:54<16:08, 6.37s/it]print_dice: 0.5551865100860596
,    print_iou: 0.38426172733306885
7486 Epoch 41/499:    6%||         | 9/160 [01:00<16:03, 6.38s/it]print_dice: 0.4976062476634979
,    print_iou: 0.3312089443206787
7487 Epoch 41/499:    6%||         | 10/160 [01:07<15:55, 6.37s/it]print_dice: 0.5327332615852356
,    print_iou: 0.36307868361473083
7488 print_dice: 0.47445428371429443,    print_iou: 0.31100624799728394
7489 Epoch 41/499:    8%||         | 12/160 [01:19<15:33, 6.31s/it]print_dice: 0.5856233835220337
,    print_iou: 0.41405054926872253
7490 Epoch 41/499:    8%||         | 13/160 [01:26<15:28, 6.32s/it]print_dice: 0.
42207375168800354,    print_iou: 0.2674863636493683
7491 Epoch 41/499:    9%||         | 14/160 [01:32<15:23, 6.32s/it]print_dice: 0.5290871858596802
,    print_iou: 0.35969990491867065
7492 print_dice: 0.48927778005599976,    print_iou: 0.32387012243270874
7493 Epoch 41/499:   10%||         | 16/160 [01:44<15:07, 6.30s/it]print_dice: 0.532961905002594
,    print_iou: 0.3632911145687103
7494 print_dice: 0.5379951596260071,    print_iou: 0.3679845333099365
7495 Epoch 41/499:   11%||         | 18/160 [01:57<14:53, 6.29s/it]print_dice: 0.4691840410232544
,    print_iou: 0.30649277567863464
7496 Epoch 41/499:   12%||         | 19/160 [02:03<14:45, 6.28s/it]print_dice: 0.5531923174858093
,    print_iou: 0.3823537230491638
7497 print_dice: 0.5033463835716248,    print_iou: 0.3363145589828491
7498 Epoch 41/499:   13%||         | 21/160 [02:16<14:34, 6.29s/it]print_dice: 0.5411984920501709
,    print_iou: 0.3709884583950043
7499 Epoch 41/499:   14%||         | 22/160 [02:22<14:26, 6.28s/it]print_dice: 0.5309500694274902
,    print_iou: 0.36142411828041077
7500 Epoch 41/499:   14%||         | 23/160 [02:28<14:15, 6.25s/it]print_dice: 0.5500234961509705
,    print_iou: 0.37933269143104553
7501 Epoch 41/499:   15%||         | 24/160 [02:34<14:02, 6.19s/it]print_dice: 0.5582214593887329
,    print_iou: 0.38717561960220337
7502 Epoch 41/499:   16%||         | 25/160 [02:41<14:00, 6.23s/it]print_dice: 0.5581915378570557
,    print_iou: 0.3871467709541321
7503 Epoch 41/499:   16%||         | 26/160 [02:47<13:51, 6.21s/it]print_dice: 0.6166625618934631
,    print_iou: 0.44577884674072266
7504 Epoch 41/499:   17%||         | 27/160 [02:53<13:47, 6.22s/it]print_dice: 0.6123600006103516
,    print_iou: 0.4412960112094879
7505 print_dice: 0.5002392530441284,    print_iou: 0.3335460424423218
7506 Epoch 41/499:   18%||         | 29/160 [03:05<13:26, 6.16s/it]print_dice: 0.5749585032463074
,    print_iou: 0.40346792340278625
7507 Epoch 41/499:   19%||         | 30/160 [03:11<13:24, 6.18s/it]print_dice: 0.4639107584953308
,    print_iou: 0.3020077049732208
7508 print_dice: 0.5876790285110474,    print_iou: 0.4161086976528168
7509 Epoch 41/499:   20%||         | 32/160 [03:24<13:12, 6.19s/it]print_dice: 0.
49186068773269653,    print_iou: 0.3261374235153198
7510 print_dice: 0.5143952965736389,    print_iou: 0.3462531566619873
7511 Epoch 41/499:   21%||         | 34/160 [03:37<13:08, 6.26s/it]print_dice: 0.59516841173172
,    print_iou: 0.423658162355423
7512 print_dice: 0.49638640880584717,    print_iou: 0.3301289677619934
7513 Epoch 41/499:   22%||         | 36/160 [03:49<12:47, 6.19s/it]print_dice: 0.5632593035697937
,    print_iou: 0.39203962683677673
7514 print_dice: 0.4614308774471283,    print_iou: 0.2999091148376465
7515 Epoch 41/499:   24%||         | 38/160 [04:01<12:37, 6.21s/it]print_dice: 0.5629851818084717
,    print_iou: 0.39177408814430237
7516 Epoch 41/499:   24%||         | 39/160 [04:07<12:29, 6.20s/it]print_dice: 0.5289048552513123

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7516 , print_iou: 0.3595314025878906
7517 Epoch 41/499: 25%|██████| 40/160 [04:14<12:22, 6.19s/it]print_dice: 0.5193749070167542
, print_iou: 0.35078081488609314
7518 Epoch 41/499: 26%|██████| 41/160 [04:20<12:23, 6.25s/it]print_dice: 0.5141911506652832
, print_iou: 0.3460681736469269
7519 Epoch 41/499: 26%|██████| 42/160 [04:26<12:22, 6.30s/it]print_dice: 0.5134391188621521
, print_iou: 0.34538722038269043
7520 Epoch 41/499: 27%|██████| 43/160 [04:33<12:11, 6.25s/it]print_dice: 0.4795837700366974
, print_iou: 0.3154292702674866
7521 print_dice: 0.5665622353553772, print_iou: 0.3952471911907196
7522 Epoch 41/499: 28%|██████| 45/160 [04:45<11:54, 6.21s/it]print_dice: 0.5150942206382751
, print_iou: 0.3468868136405945
7523 Epoch 41/499: 29%|██████| 46/160 [04:51<11:47, 6.21s/it]print_dice: 0.5466386675834656
, print_iou: 0.37612026929855347
7524 Epoch 41/499: 29%|██████| 47/160 [04:57<11:42, 6.21s/it]print_dice: 0.4812849462032318
, print_iou: 0.3169027268886566
7525 Epoch 41/499: 30%|██████| 48/160 [05:03<11:34, 6.20s/it]print_dice: 0.5422669053077698
, print_iou: 0.3719932734966278
7526 print_dice: 0.4762037396430969, print_iou: 0.3125114142894745
7527 Epoch 41/499: 31%|██████| 50/160 [05:16<11:18, 6.16s/it]print_dice: 0.5409941673278809
, print_iou: 0.37079647183418274
7528 Epoch 41/499: 32%|██████| 51/160 [05:22<11:13, 6.17s/it]print_dice: 0.4816252291202545
, print_iou: 0.31719785928726196
7529 Epoch 41/499: 32%|██████| 52/160 [05:28<11:10, 6.21s/it]print_dice: 0.5473725199699402
, print_iou: 0.3768154978752136
7530 print_dice: 0.5973849892616272, print_iou: 0.42590802907943726
7531 Epoch 41/499: 34%|██████| 54/160 [05:40<10:55, 6.18s/it]print_dice: 0.4176620841026306
, print_iou: 0.2639525234699249
7532 Epoch 41/499: 34%|██████| 55/160 [05:47<10:50, 6.20s/it]print_dice: 0.5484576225280762
, print_iou: 0.3778447210788727
7533 Epoch 41/499: 35%|██████| 56/160 [05:53<10:43, 6.19s/it]print_dice: 0.5054868459701538
, print_iou: 0.3382284343242645
7534 Epoch 41/499: 36%|██████| 57/160 [05:59<10:37, 6.19s/it]print_dice: 0.5439828634262085
, print_iou: 0.3736102283000946
7535 Epoch 41/499: 36%|██████| 58/160 [06:05<10:30, 6.19s/it]print_dice: 0.5492728352546692
, print_iou: 0.3786189556121826
7536 Epoch 41/499: 37%|██████| 59/160 [06:12<10:30, 6.24s/it]print_dice: 0.4352811872959137
, print_iou: 0.2781849205493927
7537 Epoch 41/499: 38%|██████| 60/160 [06:18<10:19, 6.20s/it]print_dice: 0.5682807564735413
, print_iou: 0.39692193269729614
7538 Epoch 41/499: 38%|██████| 61/160 [06:24<10:15, 6.22s/it]print_dice: 0.5335492491722107
, print_iou: 0.3638371229171753
7539 Epoch 41/499: 39%|██████| 62/160 [06:30<10:06, 6.19s/it]print_dice: 0.5179264545440674
, print_iou: 0.3494607210159302
7540 Epoch 41/499: 39%|██████| 63/160 [06:36<10:01, 6.20s/it]print_dice: 0.510857105255127
, print_iou: 0.34305447340011597
7541 Epoch 41/499: 40%|██████| 64/160 [06:42<09:52, 6.17s/it]print_dice: 0.602104127407074
, print_iou: 0.4307217001914978
7542 Epoch 41/499: 41%|██████| 65/160 [06:49<09:44, 6.15s/it]print_dice: 0.5190392732620239
, print_iou: 0.35047468543052673
7543 Epoch 41/499: 41%|██████| 66/160 [06:55<09:41, 6.18s/it]print_dice: 0.4916486144065857
, print_iou: 0.3259509801864624
7544 Epoch 41/499: 42%|██████| 67/160 [07:01<09:38, 6.22s/it]print_dice: 0.
49383625388145447, print_iou: 0.32787689566612244
7545 Epoch 41/499: 42%|██████| 68/160 [07:07<09:34, 6.24s/it]print_dice: 0.
46788230538368225, print_iou: 0.30538272857666016
7546 Epoch 41/499: 43%|██████| 69/160 [07:14<09:30, 6.26s/it]print_dice: 0.5169914364814758
, print_iou: 0.3486098647117615
7547 print_dice: 0.5286116600036621, print_iou: 0.3592604696750641
7548 Epoch 41/499: 44%|██████| 71/160 [07:26<09:15, 6.24s/it]print_dice: 0.5940024256706238
, print_iou: 0.4224775731563568
7549 Epoch 41/499: 45%|██████| 72/160 [07:32<09:10, 6.25s/it]print_dice: 0.5546706914901733
, print_iou: 0.38376766443252563
7550 print_dice: 0.5291394591331482, print_iou: 0.3597482144832611
7551 Epoch 41/499: 46%|██████| 74/160 [07:45<09:02, 6.31s/it]print_dice: 0.
49103471636772156, print_iou: 0.3254115581512451
7552 Epoch 41/499: 47%|██████| 75/160 [07:51<08:51, 6.25s/it]print_dice: 0.5517043471336365
, print_iou: 0.3809335231781006
7553 Epoch 41/499: 48%|██████| 76/160 [07:57<08:40, 6.20s/it]print_dice: 0.5911530256271362

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7553 , print_iou: 0.41960060596466064
7554 Epoch 41/499: 48%|██████| 77/160 [08:04<08:35, 6.22s/it]print_dice: 0.5957943797111511
, print_iou: 0.42429283261299133
7555 Epoch 41/499: 49%|██████| 78/160 [08:10<08:31, 6.24s/it]print_dice: 0.5824131369590759
, print_iou: 0.4108482897281647
7556 print_dice: 0.4985034465789795, print_iou: 0.3320043981075287
7557 Epoch 41/499: 50%|██████| 80/160 [08:22<08:20, 6.26s/it]print_dice: 0.5339053273200989
, print_iou: 0.3641684055328369
7558 Epoch 41/499: 51%|██████| 81/160 [08:29<08:11, 6.23s/it]print_dice: 0.5156074166297913
, print_iou: 0.34735244512557983
7559 Epoch 41/499: 51%|██████| 82/160 [08:35<08:05, 6.22s/it]print_dice: 0.5380736589431763
, print_iou: 0.3680579662322998
7560 Epoch 41/499: 52%|██████| 83/160 [08:41<08:00, 6.24s/it]print_dice: 0.5969241261482239
, print_iou: 0.42543965578079224
7561 Epoch 41/499: 52%|██████| 84/160 [08:47<07:55, 6.26s/it]print_dice: 0.
48712554574012756, print_iou: 0.32198676466941833
7562 Epoch 41/499: 53%|██████| 85/160 [08:54<07:47, 6.24s/it]print_dice: 0.4785672724246979
, print_iou: 0.31455039978027344
7563 Epoch 41/499: 54%|██████| 86/160 [09:00<07:37, 6.18s/it]print_dice: 0.5410398840904236
, print_iou: 0.370839387178421
7564 print_dice: 0.5598154664039612, print_iou: 0.38871094584465027
7565 Epoch 41/499: 55%|██████| 88/160 [09:12<07:27, 6.21s/it]print_dice: 0.
48944416642189026, print_iou: 0.32401591539382935
7566 print_dice: 0.5285423994064331, print_iou: 0.3591964840888977
7567 Epoch 41/499: 56%|██████| 90/160 [09:25<07:16, 6.23s/it]print_dice: 0.5733503103256226
, print_iou: 0.40188586711883545
7568 Epoch 41/499: 57%|██████| 91/160 [09:31<07:09, 6.22s/it]print_dice: 0.5482877492904663
, print_iou: 0.37768352031707764
7569 Epoch 41/499: 57%|██████| 92/160 [09:37<07:01, 6.20s/it]print_dice: 0.48683962225914
, print_iou: 0.3217369616031647
7570 Epoch 41/499: 58%|██████| 93/160 [09:43<06:58, 6.24s/it]print_dice: 0.5179064869880676
, print_iou: 0.3494425415992737
7571 Epoch 41/499: 59%|██████| 94/160 [09:50<06:54, 6.28s/it]print_dice: 0.5129971504211426
, print_iou: 0.34498733282089233
7572 print_dice: 0.5658087134361267, print_iou: 0.39451414346694946
7573 Epoch 41/499: 60%|██████| 96/160 [10:02<06:38, 6.23s/it]print_dice: 0.5518742203712463
, print_iou: 0.3810954689979553
7574 Epoch 41/499: 61%|██████| 97/160 [10:08<06:30, 6.21s/it]print_dice: 0.544143795967102
, print_iou: 0.37376201152801514
7575 Epoch 41/499: 61%|██████| 98/160 [10:14<06:24, 6.21s/it]print_dice: 0.4488806426525116
, print_iou: 0.289391428232193
7576 Epoch 41/499: 62%|██████| 99/160 [10:21<06:17, 6.19s/it]print_dice: 0.6481946110725403
, print_iou: 0.47950291633605957
7577 Epoch 41/499: 62%|██████| 100/160 [10:27<06:09, 6.15s/it]print_dice: 0.
5414748191833496, print_iou: 0.37124815583229065
7578 print_dice: 0.4763544201850891, print_iou: 0.3126412034034729
7579 [100/160] eta: 0:06:16 time: 6.2160 data: 0.0006
7580 Epoch 41/499: 64%|██████| 102/160 [10:39<05:58, 6.19s/it]print_dice: 0.
5465152263641357, print_iou: 0.3760034441947937
7581 Epoch 41/499: 64%|██████| 103/160 [10:45<05:51, 6.17s/it]print_dice: 0.
5013912916183472, print_iou: 0.3345712125301361
7582 Epoch 41/499: 65%|██████| 104/160 [10:51<05:45, 6.17s/it]print_dice: 0.
5859054923057556, print_iou: 0.41433262825012207
7583 print_dice: 0.567378580570221, print_iou: 0.39604222774505615
7584 Epoch 41/499: 66%|██████| 106/160 [11:04<05:31, 6.13s/it]print_dice: 0.
4806358814239502, print_iou: 0.3163401782512665
7585 Epoch 41/499: 67%|██████| 107/160 [11:10<05:26, 6.15s/it]print_dice: 0.
49015867710113525, print_iou: 0.32464250922203064
7586 Epoch 41/499: 68%|██████| 108/160 [11:16<05:22, 6.20s/it]print_dice: 0.
4470665752887726, print_iou: 0.28788521885871887
7587 Epoch 41/499: 68%|██████| 109/160 [11:22<05:15, 6.19s/it]print_dice: 0.
5379441976547241, print_iou: 0.3679368495941162
7588 Epoch 41/499: 69%|██████| 110/160 [11:28<05:09, 6.19s/it]print_dice: 0.443240225315094
, print_iou: 0.2847197353839874
7589 Epoch 41/499: 69%|██████| 111/160 [11:35<05:02, 6.18s/it]print_dice: 0.
46685266494750977, print_iou: 0.3045060634613037
7590 Epoch 41/499: 70%|██████| 112/160 [11:41<04:58, 6.21s/it]print_dice: 0.
44336217641830444, print_iou: 0.2848203778266907
7591 Epoch 41/499: 71%|██████| 113/160 [11:47<04:52, 6.22s/it]print_dice: 0.

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7591 6100109815597534, print_iou: 0.4388602674007416
7592 Epoch 41/499: 71%|███████| 114/160 [11:53<04:45, 6.22s/it]print_dice: 0.
5579389929771423, print_iou: 0.38690388202667236
7593 print_dice: 0.5681820511817932, print_iou: 0.3968256115913391
7594 Epoch 41/499: 72%|███████| 116/160 [12:06<04:35, 6.26s/it]print_dice: 0.
5684667825698853, print_iou: 0.397103488445282
7595 Epoch 41/499: 73%|███████| 117/160 [12:12<04:27, 6.22s/it]print_dice: 0.
5433651804924011, print_iou: 0.3730277419090271
7596 Epoch 41/499: 74%|███████| 118/160 [12:18<04:20, 6.20s/it]print_dice: 0.
5647847056388855, print_iou: 0.3935191333293915
7597 Epoch 41/499: 74%|███████| 119/160 [12:25<04:14, 6.21s/it]print_dice: 0.505202054977417
, print_iou: 0.3379734754562378
7598 print_dice: 0.5123566389083862, print_iou: 0.344408243894577
7599 Epoch 41/499: 76%|███████| 121/160 [12:37<04:04, 6.26s/it]print_dice: 0.
5020402073860168, print_iou: 0.3351493179798126
7600 Epoch 41/499: 76%|███████| 122/160 [12:43<03:59, 6.29s/it]print_dice: 0.
48149076104164124, print_iou: 0.3170812129974365
7601 Epoch 41/499: 77%|███████| 123/160 [12:50<03:53, 6.31s/it]print_dice: 0.
5803478956222534, print_iou: 0.40879586338996887
7602 Epoch 41/499: 78%|███████| 124/160 [12:56<03:45, 6.27s/it]print_dice: 0.
6178835034370422, print_iou: 0.4470560550689697
7603 Epoch 41/499: 78%|███████| 125/160 [13:02<03:37, 6.21s/it]print_dice: 0.
5061129331588745, print_iou: 0.33878931403160095
7604 Epoch 41/499: 79%|███████| 126/160 [13:08<03:30, 6.19s/it]print_dice: 0.560163676738739
, print_iou: 0.3890467584133148
7605 Epoch 41/499: 79%|███████| 127/160 [13:14<03:24, 6.20s/it]print_dice: 0.611576497554779
, print_iou: 0.4404826760292053
7606 Epoch 41/499: 80%|███████| 128/160 [13:21<03:17, 6.18s/it]print_dice: 0.
5071365833282471, print_iou: 0.33970728516578674
7607 Epoch 41/499: 81%|███████| 129/160 [13:27<03:11, 6.19s/it]print_dice: 0.
5259281992912292, print_iou: 0.35678598284721375
7608 Epoch 41/499: 81%|███████| 130/160 [13:33<03:06, 6.21s/it]print_dice: 0.
5502685904502869, print_iou: 0.37956589460372925
7609 Epoch 41/499: 82%|███████| 131/160 [13:39<03:00, 6.24s/it]print_dice: 0.
5051679015159607, print_iou: 0.337942898273468
7610 Epoch 41/499: 82%|███████| 132/160 [13:46<02:54, 6.22s/it]print_dice: 0.
45106661319732666, print_iou: 0.2912110984325409
7611 Epoch 41/499: 83%|███████| 133/160 [13:52<02:48, 6.23s/it]print_dice: 0.
49130338430404663, print_iou: 0.3256475627422333
7612 print_dice: 0.5383528470993042, print_iou: 0.3683193027973175
7613 Epoch 41/499: 84%|███████| 135/160 [14:04<02:36, 6.26s/it]print_dice: 0.547960102558136
, print_iou: 0.3773726224899292
7614 print_dice: 0.5441088676452637, print_iou: 0.3737291097640991
7615 Epoch 41/499: 86%|███████| 137/160 [14:17<02:23, 6.23s/it]print_dice: 0.
5173130631446838, print_iou: 0.3489024043083191
7616 Epoch 41/499: 86%|███████| 138/160 [14:23<02:18, 6.29s/it]print_dice: 0.
5104161500930786, print_iou: 0.3426568806171417
7617 Epoch 41/499: 87%|███████| 139/160 [14:30<02:13, 6.33s/it]print_dice: 0.
5733823180198669, print_iou: 0.40191730856895447
7618 Epoch 41/499: 88%|███████| 140/160 [14:36<02:05, 6.26s/it]print_dice: 0.
49663758277893066, print_iou: 0.33035120368003845
7619 Epoch 41/499: 88%|███████| 141/160 [14:42<01:58, 6.24s/it]print_dice: 0.
5125266909599304, print_iou: 0.34456193447113037
7620 Epoch 41/499: 89%|███████| 142/160 [14:48<01:51, 6.20s/it]print_dice: 0.51519376039505
, print_iou: 0.3469771146774292
7621 Epoch 41/499: 89%|███████| 143/160 [14:54<01:45, 6.23s/it]print_dice: 0.
6149251461029053, print_iou: 0.44396528601646423
7622 Epoch 41/499: 90%|███████| 144/160 [15:00<01:39, 6.19s/it]print_dice: 0.
5914355516433716, print_iou: 0.4198853373527527
7623 Epoch 41/499: 91%|███████| 145/160 [15:07<01:33, 6.21s/it]print_dice: 0.
46968787908554077, print_iou: 0.30692291259765625
7624 Epoch 41/499: 91%|███████| 146/160 [15:13<01:27, 6.23s/it]print_dice: 0.
5651644468307495, print_iou: 0.3938879370689392
7625 Epoch 41/499: 92%|███████| 147/160 [15:19<01:21, 6.29s/it]print_dice: 0.
43085744976997375, print_iou: 0.2745814621448517
7626 Epoch 41/499: 92%|███████| 148/160 [15:26<01:15, 6.31s/it]print_dice: 0.
5544920563697815, print_iou: 0.3835967183113098
7627 Epoch 41/499: 93%|███████| 149/160 [15:32<01:08, 6.27s/it]print_dice: 0.
5854767560958862, print_iou: 0.41390395164489746

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7628 Epoch 41/499: 94%|██████████| 150/160 [15:38<01:02, 6.23s/it]print_dice: 0.
5175613164901733, print_iou: 0.3491283059120178
7629 Epoch 41/499: 94%|██████████| 151/160 [15:44<00:56, 6.23s/it]print_dice: 0.
5257290601730347, print_iou: 0.3566027581691742
7630 print_dice: 0.5345979928970337, print_iou: 0.3648132085800171
7631 Epoch 41/499: 96%|██████████| 153/160 [15:57<00:43, 6.28s/it]print_dice: 0.563773512840271
, print_iou: 0.39253801107406616
7632 Epoch 41/499: 96%|██████████| 154/160 [16:03<00:37, 6.30s/it]print_dice: 0.
5328647494316101, print_iou: 0.363200843334198
7633 Epoch 41/499: 97%|██████████| 155/160 [16:10<00:31, 6.32s/it]print_dice: 0.
6011343598365784, print_iou: 0.4297299087047577
7634 Epoch 41/499: 98%|██████████| 156/160 [16:16<00:25, 6.29s/it]print_dice: 0.
5105486512184143, print_iou: 0.3427762985229492
7635 Epoch 41/499: 98%|██████████| 157/160 [16:22<00:18, 6.33s/it]print_dice: 0.
5063895583152771, print_iou: 0.3390372097492218
7636 Epoch 41/499: 99%|██████████| 158/160 [16:29<00:12, 6.31s/it]print_dice: 0.567399799823761
, print_iou: 0.3960629105567932
7637 Epoch 41/499: 99%|██████████| 159/160 [16:35<00:06, 6.33s/it]print_dice: 0.
4618874192237854, print_iou: 0.3002949357032776
7638 Epoch 41/499: 100%|██████████| 160/160 [16:41<00:00, 6.22s/it]print_dice: 0.
44584232568740845, print_iou: 0.28687071800231934
7639 [159/160] eta: 0:00:06 time: 6.2589 data: 0.0032
7640 Total time: 0:16:42 (6.2660 s / it)
7641 Averaged stats: training_loss: -77.2550 (-77.2550) loss_mask: -77.5194 (-77.5194)
loss_dice: 0.2644 (0.2644)
7642 Epoch 41/499: 100%|██████████| 160/160 [16:42<00:00, 6.27s/it]
7643 Net parameter norm: 1053.8401408654172
7644 Validating...
7645 Valid_dataloader len: 12
7646 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
sigmoid values: tensor([1.6706e-04, 1.7479e-04, 1.8134e-04, ..., 1.0000e+00, 1.0000e+00,
7647 1.0000e+00], grad_fn=<Unique2Backward0>)
7648 8%|██████████| 1/12 [00:10<01:50, 10.03s/it]print_dice: 0.5639167428016663, print_iou: 0.
3926769495010376
7649 [ 0/12] eta: 0:02:00 time: 10.0345 data: 5.8448
7650 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2991e-04, 2.
3006e-04, 2.3267e-04, ..., 1.0000e+00, 1.0000e+00,
7651 1.0000e+00], grad_fn=<Unique2Backward0>)
7652 17%|██████████| 2/12 [00:14<01:06, 6.61s/it]print_dice: 0.6159858703613281, print_iou: 0.
4450719654560089
7653 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.9278e-04, 2.
0174e-04, 2.0859e-04, ..., 1.0000e+00, 1.0000e+00,
7654 1.0000e+00], grad_fn=<Unique2Backward0>)
7655 25%|██████████| 3/12 [00:18<00:49, 5.49s/it]print_dice: 0.5376542806625366, print_iou: 0.
3676656186580658
7656 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2981e-04, 2.
2989e-04, 2.3251e-04, ..., 1.0000e+00, 1.0000e+00,
7657 1.0000e+00], grad_fn=<Unique2Backward0>)
7658 33%|██████████| 4/12 [00:22<00:39, 4.95s/it]print_dice: 0.5312048196792603, print_iou: 0.
3616602420806885
7659 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([4.3838e-04, 4.
3998e-04, 4.5412e-04, ..., 9.9999e-01, 9.9999e-01,
7660 9.9999e-01], grad_fn=<Unique2Backward0>)
7661 print_dice: 0.5817316174507141, print_iou: 0.4101703464984894
7662 42%|██████████| 5/12 [00:26<00:32, 4.67s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([6.7220e-04, 6.8787e-04, 6.9062e-04, ..., 9.9999e-01, 9.
9999e-01,
7663 9.9999e-01], grad_fn=<Unique2Backward0>)
7664 50%|██████████| 6/12 [00:30<00:26, 4.47s/it]print_dice: 0.5120710134506226, print_iou: 0.
344150185585022
7665 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([4.3440e-04, 4.
6671e-04, 4.6778e-04, ..., 9.9999e-01, 9.9999e-01,
7666 9.9999e-01], grad_fn=<Unique2Backward0>)
7667 58%|██████████| 7/12 [00:34<00:21, 4.36s/it]print_dice: 0.44050851464271545, print_iou: 0
.28246933221817017
7668 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.1541e-04, 7.
3024e-04, 7.5439e-04, ..., 9.9999e-01, 9.9999e-01,
7669 9.9999e-01], grad_fn=<Unique2Backward0>)
7670 67%|██████████| 8/12 [00:39<00:17, 4.28s/it]print_dice: 0.5482227802276611, print_iou: 0.

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7670 3776218593120575
7671 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2988e-04, 2.
    2998e-04, 2.3282e-04, ..., 1.0000e+00, 1.0000e+00,
7672     1.0000e+00], grad_fn=<Unique2Backward0>)
7673 75%|██████████| 9/12 [00:43<00:12, 4.26s/it]print_dice: 0.5696569085121155, print_iou: 0.
    39826589822769165
7674 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([4.9554e-04, 5.
    3099e-04, 5.4473e-04, ..., 9.9999e-01, 9.9999e-01,
7675     9.9999e-01], grad_fn=<Unique2Backward0>)
7676 print_dice: 0.5795533657073975, print_iou: 0.4080078601837158
7677 83%|██████████| 10/12 [00:47<00:08, 4.23s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([6.5802e-04, 7.0167e-04, 7.1800e-04, ..., 9.9998e-01, 9.
    9998e-01,
7678     9.9998e-01], grad_fn=<Unique2Backward0>)
7679 print_dice: 0.6205835938453674, print_iou: 0.44988852739334106
7680 92%|██████████| 11/12 [00:51<00:04, 4.17s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([2.2980e-04, 2.2990e-04, 2.3286e-04, ..., 1.0000e+00, 1.
    0000e+00,
7681     1.0000e+00], grad_fn=<Unique2Backward0>)
7682 100%|██████████| 12/12 [00:55<00:00, 4.12s/it]print_dice: 0.5878615379333496, print_iou: 0
    .4162917137145996
7683 [11/12] eta: 0:00:04 time: 4.6196 data: 0.4875
7684 Total time: 0:00:55 (4.6577 s / it)
7685 =====
7686 Averaged stats:
7687 100%|██████████| 12/12 [00:55<00:00, 4.66s/it]
7688 epoch: 42 learning rate: 1e-08
7689 Epoch 42/499: 1%|██████████| 1/160 [00:10<27:26, 10.36s/it]print_dice: 0.5089829564094543
    , print_iou: 0.3413662910461426
7690 [ 0/160] eta: 0:27:37 time: 10.3582 data: 4.1046
7691 Epoch 42/499: 1%|██████████| 2/160 [00:16<20:54, 7.94s/it]print_dice: 0.4509451687335968
    , print_iou: 0.2911098897457123
7692 print_dice: 0.5412572026252747, print_iou: 0.3710436224937439
7693 Epoch 42/499: 2%|██████████| 4/160 [00:29<17:37, 6.78s/it]print_dice: 0.5937050580978394
    , print_iou: 0.4221767485141754
7694 Epoch 42/499: 3%|██████████| 5/160 [00:35<16:57, 6.56s/it]print_dice: 0.5665799379348755
    , print_iou: 0.3952644169330597
7695 Epoch 42/499: 4%|██████████| 6/160 [00:41<16:29, 6.42s/it]print_dice: 0.5150084495544434
    , print_iou: 0.3468090295791626
7696 Epoch 42/499: 4%|██████████| 7/160 [00:47<16:15, 6.38s/it]print_dice: 0.5432469844818115
    , print_iou: 0.3729163110256195
7697 print_dice: 0.5333085060119629, print_iou: 0.3636132776737213
7698 Epoch 42/499: 6%|██████████| 9/160 [00:59<15:42, 6.24s/it]print_dice: 0.5991266369819641
    , print_iou: 0.4276808202266693
7699 Epoch 42/499: 6%|██████████| 10/160 [01:06<15:36, 6.24s/it]print_dice: 0.4735725224018097
    , print_iou: 0.3102489411830902
7700 Epoch 42/499: 7%|██████████| 11/160 [01:12<15:31, 6.25s/it]print_dice: 0.5977048873901367
    , print_iou: 0.42623329162597656
7701 print_dice: 0.46806299686431885, print_iou: 0.3055367171764374
7702 Epoch 42/499: 8%|██████████| 13/160 [01:24<15:20, 6.26s/it]print_dice: 0.4322868585586548
    , print_iou: 0.2757435739040375
7703 Epoch 42/499: 9%|██████████| 14/160 [01:31<15:07, 6.22s/it]print_dice: 0.5494765639305115
    , print_iou: 0.37881261110305786
7704 Epoch 42/499: 9%|██████████| 15/160 [01:37<14:59, 6.20s/it]print_dice: 0.4715060591697693
    , print_iou: 0.3084775507450104
7705 Epoch 42/499: 10%|██████████| 16/160 [01:43<14:49, 6.18s/it]print_dice: 0.5485039949417114
    , print_iou: 0.3778887093067169
7706 Epoch 42/499: 11%|██████████| 17/160 [01:49<14:40, 6.16s/it]print_dice: 0.4914224147796631
    , print_iou: 0.3257521390914917
7707 Epoch 42/499: 11%|██████████| 18/160 [01:55<14:35, 6.17s/it]print_dice: 0.
    42137935757637024, print_iou: 0.2669288218021393
7708 Epoch 42/499: 12%|██████████| 19/160 [02:01<14:34, 6.20s/it]print_dice: 0.5130373239517212
    , print_iou: 0.34502366185188293
7709 Epoch 42/499: 12%|██████████| 20/160 [02:08<14:26, 6.19s/it]print_dice: 0.5602362155914307
    , print_iou: 0.38911673426628113
7710 Epoch 42/499: 13%|██████████| 21/160 [02:14<14:26, 6.24s/it]print_dice: 0.
    48069998621940613, print_iou: 0.31639569997787476
7711 Epoch 42/499: 14%|██████████| 22/160 [02:20<14:15, 6.20s/it]print_dice: 0.59867262840271
    , print_iou: 0.4272182583808899

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7712 Epoch 42/499: 14%|███          | 23/160 [02:26<14:09, 6.20s/it]print_dice: 0.5020621418952942
, print_iou: 0.33516886830329895
7713 Epoch 42/499: 15%|███          | 24/160 [02:32<13:58, 6.17s/it]print_dice: 0.5421304702758789
, print_iou: 0.37186485528945923
7714 Epoch 42/499: 16%|███          | 25/160 [02:39<14:03, 6.25s/it]print_dice: 0.420196533203125
, print_iou: 0.2659802734851837
7715 Epoch 42/499: 16%|███          | 26/160 [02:45<13:52, 6.21s/it]print_dice: 0.5327346920967102
, print_iou: 0.3630800247192383
7716 Epoch 42/499: 17%|███          | 27/160 [02:51<13:47, 6.22s/it]print_dice: 0.5103809833526611
, print_iou: 0.3426252007484436
7717 Epoch 42/499: 18%|███          | 28/160 [02:57<13:41, 6.23s/it]print_dice: 0.5147956013679504
, print_iou: 0.3466159999370575
7718 print_dice: 0.4901018738746643, print_iou: 0.3245926797389984
7719 Epoch 42/499: 19%|███          | 30/160 [03:10<13:31, 6.24s/it]print_dice: 0.5704181790351868
, print_iou: 0.3990105390548706
7720 print_dice: 0.5480745434761047, print_iou: 0.3774811923503876
7721 Epoch 42/499: 20%|███          | 32/160 [03:22<13:18, 6.24s/it]print_dice: 0.5458148717880249
, print_iou: 0.37534070014953613
7722 Epoch 42/499: 21%|███          | 33/160 [03:28<13:07, 6.20s/it]print_dice: 0.5414673686027527
, print_iou: 0.37124118208885193
7723 Epoch 42/499: 21%|███          | 34/160 [03:35<13:00, 6.20s/it]print_dice: 0.5651307702064514
, print_iou: 0.3938552737236023
7724 Epoch 42/499: 22%|███          | 35/160 [03:41<12:55, 6.21s/it]print_dice: 0.5035741329193115
, print_iou: 0.33651790022850037
7725 Epoch 42/499: 22%|███          | 36/160 [03:47<12:55, 6.25s/it]print_dice: 0.4935997724533081
, print_iou: 0.3276684284210205
7726 Epoch 42/499: 23%|███          | 37/160 [03:53<12:45, 6.22s/it]print_dice: 0.4855601191520691
, print_iou: 0.32062026858329773
7727 print_dice: 0.5114650130271912, print_iou: 0.3436029553413391
7728 Epoch 42/499: 24%|███          | 39/160 [04:06<12:31, 6.21s/it]print_dice: 0.5123657584190369
, print_iou: 0.3444164991378784
7729 print_dice: 0.551390528678894, print_iou: 0.3806343376636505
7730 Epoch 42/499: 26%|███          | 41/160 [04:18<12:13, 6.17s/it]print_dice: 0.5693721175193787
, print_iou: 0.39798757433891296
7731 print_dice: 0.6246066689491272, print_iou: 0.45412948727607727
7732 Epoch 42/499: 27%|███          | 43/160 [04:31<12:08, 6.23s/it]print_dice: 0.5655961632728577
, print_iou: 0.3943074643611908
7733 Epoch 42/499: 28%|███          | 44/160 [04:37<12:00, 6.22s/it]print_dice: 0.5449962019920349
, print_iou: 0.37456682324409485
7734 print_dice: 0.4789237976074219, print_iou: 0.31485849618911743
7735 Epoch 42/499: 29%|███          | 46/160 [04:49<11:46, 6.20s/it]print_dice: 0.4363957345485687
, print_iou: 0.2790960371494293
7736 print_dice: 0.5845004320144653, print_iou: 0.4129287302494049
7737 Epoch 42/499: 30%|███          | 48/160 [05:02<11:35, 6.21s/it]print_dice: 0.4699508845806122
, print_iou: 0.3071475923061371
7738 Epoch 42/499: 31%|███          | 49/160 [05:08<11:32, 6.24s/it]print_dice: 0.5610408186912537
, print_iou: 0.3898935317993164
7739 Epoch 42/499: 31%|███          | 50/160 [05:14<11:24, 6.22s/it]print_dice: 0.5654128789901733
, print_iou: 0.39412930607795715
7740 Epoch 42/499: 32%|███          | 51/160 [05:20<11:15, 6.20s/it]print_dice: 0.6086516380310059
, print_iou: 0.4374545216560364
7741 Epoch 42/499: 32%|███          | 52/160 [05:27<11:11, 6.21s/it]print_dice: 0.4835415184497833
, print_iou: 0.31886234879493713
7742 Epoch 42/499: 33%|███          | 53/160 [05:33<11:03, 6.20s/it]print_dice: 0.5734843611717224
, print_iou: 0.40201759338378906
7743 Epoch 42/499: 34%|███          | 54/160 [05:39<10:59, 6.22s/it]print_dice: 0.5209025144577026
, print_iou: 0.3521759510040283
7744 print_dice: 0.5344241261482239, print_iou: 0.36465129256248474
7745 Epoch 42/499: 35%|███          | 56/160 [05:51<10:46, 6.22s/it]print_dice: 0.5631916522979736
, print_iou: 0.3919740617275238
7746 Epoch 42/499: 36%|███          | 57/160 [05:58<10:38, 6.20s/it]print_dice: 0.5153450965881348
, print_iou: 0.3471143841743469
7747 Epoch 42/499: 36%|███          | 58/160 [06:04<10:32, 6.21s/it]print_dice: 0.537009060382843
, print_iou: 0.3670624792575836
7748 Epoch 42/499: 37%|███          | 59/160 [06:10<10:29, 6.23s/it]print_dice: 0.5538532137870789
, print_iou: 0.38298550248146057
7749 print_dice: 0.569722592830658, print_iou: 0.39833012223243713
7750 Epoch 42/499: 38%|███          | 61/160 [06:23<10:21, 6.27s/it]print_dice: 0.5192779898643494
, print_iou: 0.35069239139556885

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7751 print_dice: 0.5338658094406128, print_iou: 0.3641315996646881
7752 Epoch 42/499: 39%|███████| 63/160 [06:35<10:07, 6.27s/it]print_dice: 0.6056004166603088
, print_iou: 0.43430906534194946
7753 Epoch 42/499: 40%|███████| 64/160 [06:41<09:59, 6.25s/it]print_dice: 0.5566235780715942
, print_iou: 0.3856399357318878
7754 Epoch 42/499: 41%|███████| 65/160 [06:48<09:56, 6.28s/it]print_dice: 0.
49371999502182007, print_iou: 0.32777437567710876
7755 Epoch 42/499: 41%|███████| 66/160 [06:54<09:49, 6.27s/it]print_dice: 0.5138992667198181
, print_iou: 0.345803827047348
7756 Epoch 42/499: 42%|███████| 67/160 [07:00<09:43, 6.27s/it]print_dice: 0.5884349346160889
, print_iou: 0.41686704754829407
7757 Epoch 42/499: 42%|███████| 68/160 [07:06<09:34, 6.24s/it]print_dice: 0.450199156999588
, print_iou: 0.2904883921146393
7758 Epoch 42/499: 43%|███████| 69/160 [07:13<09:25, 6.21s/it]print_dice: 0.5074772238731384
, print_iou: 0.3400130271911621
7759 Epoch 42/499: 44%|███████| 70/160 [07:19<09:16, 6.18s/it]print_dice: 0.530782163143158
, print_iou: 0.3612684905529022
7760 Epoch 42/499: 44%|███████| 71/160 [07:25<09:13, 6.22s/it]print_dice: 0.5480138659477234
, print_iou: 0.37742361426353455
7761 Epoch 42/499: 45%|███████| 72/160 [07:31<09:09, 6.24s/it]print_dice: 0.549094021320343
, print_iou: 0.37844908237457275
7762 print_dice: 0.5548880696296692, print_iou: 0.3839758336544037
7763 Epoch 42/499: 46%|███████| 74/160 [07:44<08:53, 6.20s/it]print_dice: 0.595399022102356
, print_iou: 0.42389193177223206
7764 Epoch 42/499: 47%|███████| 75/160 [07:50<08:47, 6.21s/it]print_dice: 0.5666936635971069
, print_iou: 0.3953751027584076
7765 Epoch 42/499: 48%|███████| 76/160 [07:56<08:43, 6.23s/it]print_dice: 0.5480203628540039
, print_iou: 0.3774297833442688
7766 print_dice: 0.5805959105491638, print_iou: 0.40904200077056885
7767 Epoch 42/499: 49%|███████| 78/160 [08:09<08:29, 6.22s/it]print_dice: 0.5275172591209412
, print_iou: 0.358250230550766
7768 Epoch 42/499: 49%|███████| 79/160 [08:15<08:21, 6.19s/it]print_dice: 0.5492045283317566
, print_iou: 0.3785540461540222
7769 Epoch 42/499: 50%|███████| 80/160 [08:21<08:14, 6.19s/it]print_dice: 0.5860884785652161
, print_iou: 0.4145156741142273
7770 Epoch 42/499: 51%|███████| 81/160 [08:27<08:14, 6.25s/it]print_dice: 0.6113408207893372
, print_iou: 0.44023820757865906
7771 print_dice: 0.585066556930542, print_iou: 0.4134940505027771
7772 Epoch 42/499: 52%|███████| 83/160 [08:40<07:55, 6.18s/it]print_dice: 0.5343207120895386
, print_iou: 0.3645550310611725
7773 Epoch 42/499: 52%|███████| 84/160 [08:46<07:49, 6.18s/it]print_dice: 0.5325408577919006
, print_iou: 0.3628999888896942
7774 Epoch 42/499: 53%|███████| 85/160 [08:52<07:46, 6.22s/it]print_dice: 0.
46712854504585266, print_iou: 0.304740846157074
7775 print_dice: 0.4882183372974396, print_iou: 0.3229423761367798
7776 Epoch 42/499: 54%|███████| 87/160 [09:05<07:35, 6.24s/it]print_dice: 0.6023336052894592
, print_iou: 0.4309566617012024
7777 Epoch 42/499: 55%|███████| 88/160 [09:11<07:30, 6.26s/it]print_dice: 0.503004252910614
, print_iou: 0.33600914478302
7778 Epoch 42/499: 56%|███████| 89/160 [09:17<07:27, 6.30s/it]print_dice: 0.5861961245536804
, print_iou: 0.4146234095096588
7779 Epoch 42/499: 56%|███████| 90/160 [09:24<07:21, 6.31s/it]print_dice: 0.5079118609428406
, print_iou: 0.34040337800979614
7780 Epoch 42/499: 57%|███████| 91/160 [09:30<07:10, 6.24s/it]print_dice: 0.5331761837005615
, print_iou: 0.3634902834892273
7781 print_dice: 0.5414800047874451, print_iou: 0.3712530732154846
7782 Epoch 42/499: 58%|███████| 93/160 [09:42<06:54, 6.19s/it]print_dice: 0.55765300989151
, print_iou: 0.3866288959980011
7783 Epoch 42/499: 59%|███████| 94/160 [09:48<06:50, 6.22s/it]print_dice: 0.514958918094635
, print_iou: 0.34676408767700195
7784 print_dice: 0.5523554682731628, print_iou: 0.38155460357666016
7785 Epoch 42/499: 60%|███████| 96/160 [10:01<06:36, 6.20s/it]print_dice: 0.5461549162864685
, print_iou: 0.3756624162197113
7786 print_dice: 0.5584043860435486, print_iou: 0.3873515725135803
7787 Epoch 42/499: 61%|███████| 98/160 [10:13<06:24, 6.20s/it]print_dice: 0.508256196975708
, print_iou: 0.3407127857208252
7788 Epoch 42/499: 62%|███████| 99/160 [10:19<06:19, 6.23s/it]print_dice: 0.5201609134674072
, print_iou: 0.3514983057975769
7789 Epoch 42/499: 62%|███████| 100/160 [10:25<06:12, 6.21s/it]print_dice: 0.

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7789 5270360708236694, print_iou: 0.3578065037727356
7790 Epoch 42/499: 63%|███████| | 101/160 [10:32<06:06, 6.21s/it]print_dice: 0.
5426873564720154, print_iou: 0.3723890781402588
7791 [100/160] eta: 0:06:15 time: 6.2176 data: 0.0006
7792 Epoch 42/499: 64%|███████| | 102/160 [10:38<06:01, 6.23s/it]print_dice: 0.
5771173238754272, print_iou: 0.4055972695350647
7793 Epoch 42/499: 64%|███████| | 103/160 [10:44<05:55, 6.24s/it]print_dice: 0.
4894147217273712, print_iou: 0.323990136384964
7794 Epoch 42/499: 65%|███████| | 104/160 [10:50<05:49, 6.24s/it]print_dice: 0.
5482601523399353, print_iou: 0.37765729427337646
7795 Epoch 42/499: 66%|███████| | 105/160 [10:57<05:41, 6.21s/it]print_dice: 0.
49681171774864197, print_iou: 0.3305053114891052
7796 Epoch 42/499: 66%|███████| | 106/160 [11:03<05:34, 6.20s/it]print_dice: 0.539426326751709
, print_iou: 0.3693249821662903
7797 Epoch 42/499: 67%|███████| | 107/160 [11:09<05:28, 6.21s/it]print_dice: 0.
5673381090164185, print_iou: 0.39600279927253723
7798 Epoch 42/499: 68%|███████| | 108/160 [11:15<05:24, 6.24s/it]print_dice: 0.
4608195722103119, print_iou: 0.29939281940460205
7799 Epoch 42/499: 68%|███████| | 109/160 [11:21<05:16, 6.21s/it]print_dice: 0.
5686711668968201, print_iou: 0.39730292558670044
7800 Epoch 42/499: 69%|███████| | 110/160 [11:28<05:10, 6.21s/it]print_dice: 0.
44341912865638733, print_iou: 0.28486737608909607
7801 Epoch 42/499: 69%|███████| | 111/160 [11:34<05:06, 6.25s/it]print_dice: 0.
44146984815597534, print_iou: 0.28326037526130676
7802 Epoch 42/499: 70%|███████| | 112/160 [11:40<04:59, 6.24s/it]print_dice: 0.530830442905426
, print_iou: 0.36131325364112854
7803 Epoch 42/499: 71%|███████| | 113/160 [11:46<04:52, 6.21s/it]print_dice: 0.
5263245701789856, print_iou: 0.3571509122848511
7804 Epoch 42/499: 71%|███████| | 114/160 [11:53<04:46, 6.23s/it]print_dice: 0.
4432377815246582, print_iou: 0.28471770882606506
7805 Epoch 42/499: 72%|███████| | 115/160 [11:59<04:41, 6.26s/it]print_dice: 0.
5411010980606079, print_iou: 0.37089693546295166
7806 Epoch 42/499: 72%|███████| | 116/160 [12:05<04:34, 6.24s/it]print_dice: 0.
5136966705322266, print_iou: 0.34562036395072937
7807 print_dice: 0.5776031613349915, print_iou: 0.4060773551464081
7808 Epoch 42/499: 74%|███████| | 118/160 [12:18<04:21, 6.22s/it]print_dice: 0.
6454722881317139, print_iou: 0.47652938961982727
7809 print_dice: 0.5179531574249268, print_iou: 0.34948500990867615
7810 Epoch 42/499: 75%|███████| | 120/160 [12:30<04:08, 6.22s/it]print_dice: 0.
6171554327011108, print_iou: 0.4462941586971283
7811 Epoch 42/499: 76%|███████| | 121/160 [12:36<04:01, 6.19s/it]print_dice: 0.
4986501932144165, print_iou: 0.33213457465171814
7812 Epoch 42/499: 76%|███████| | 122/160 [12:42<03:55, 6.20s/it]print_dice: 0.
5041927099227905, print_iou: 0.33707064390182495
7813 Epoch 42/499: 77%|███████| | 123/160 [12:49<03:49, 6.20s/it]print_dice: 0.
45043835043907166, print_iou: 0.29068759083747864
7814 Epoch 42/499: 78%|███████| | 124/160 [12:55<03:42, 6.19s/it]print_dice: 0.
5011008977890015, print_iou: 0.33431264758110046
7815 Epoch 42/499: 78%|███████| | 125/160 [13:01<03:35, 6.16s/it]print_dice: 0.
5134607553482056, print_iou: 0.34540677070617676
7816 Epoch 42/499: 79%|███████| | 126/160 [13:07<03:29, 6.17s/it]print_dice: 0.
5191298723220825, print_iou: 0.3505573272705078
7817 Epoch 42/499: 79%|███████| | 127/160 [13:13<03:24, 6.19s/it]print_dice: 0.506374716758728
, print_iou: 0.3390239477157593
7818 Epoch 42/499: 80%|███████| | 128/160 [13:19<03:17, 6.16s/it]print_dice: 0.
6174790859222412, print_iou: 0.4466327428817749
7819 Epoch 42/499: 81%|███████| | 129/160 [13:26<03:11, 6.19s/it]print_dice: 0.
5010336637496948, print_iou: 0.3342527747154236
7820 Epoch 42/499: 81%|███████| | 130/160 [13:32<03:05, 6.17s/it]print_dice: 0.540817379951477
, print_iou: 0.3706303834915161
7821 Epoch 42/499: 82%|███████| | 131/160 [13:38<02:58, 6.15s/it]print_dice: 0.550132155418396
, print_iou: 0.37943607568740845
7822 Epoch 42/499: 82%|███████| | 132/160 [13:44<02:52, 6.15s/it]print_dice: 0.
5019736886024475, print_iou: 0.3350900411605835
7823 Epoch 42/499: 83%|███████| | 133/160 [13:50<02:45, 6.14s/it]print_dice: 0.529289186000824
, print_iou: 0.35988664627075195
7824 Epoch 42/499: 84%|███████| | 134/160 [13:56<02:40, 6.16s/it]print_dice: 0.
5256732106208801, print_iou: 0.3565513789653778
7825 Epoch 42/499: 84%|███████| | 135/160 [14:02<02:34, 6.17s/it]print_dice: 0.

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7825 5459864735603333, print_iou: 0.3755030035972595
7826 Epoch 42/499: 85%|██████████| 136/160 [14:09<02:27, 6.16s/it]print_dice: 0.
5127358436584473, print_iou: 0.3447510302066803
7827 print_dice: 0.5158097743988037, print_iou: 0.3475361764431
7828 Epoch 42/499: 86%|██████████| 138/160 [14:21<02:15, 6.16s/it]print_dice: 0.
47928982973098755, print_iou: 0.31517499685287476
7829 Epoch 42/499: 87%|██████████| 139/160 [14:27<02:09, 6.15s/it]print_dice: 0.
5291298031806946, print_iou: 0.3597392737865448
7830 Epoch 42/499: 88%|██████████| 140/160 [14:33<02:03, 6.18s/it]print_dice: 0.
6077179312705994, print_iou: 0.436490535736084
7831 print_dice: 0.4927392601966858, print_iou: 0.32691043615341187
7832 Epoch 42/499: 89%|██████████| 142/160 [14:46<01:51, 6.19s/it]print_dice: 0.469643771648407
, print_iou: 0.3068852722644806
7833 Epoch 42/499: 89%|██████████| 143/160 [14:52<01:45, 6.18s/it]print_dice: 0.
4739523231983185, print_iou: 0.31057503819465637
7834 Epoch 42/499: 90%|██████████| 144/160 [14:58<01:39, 6.22s/it]print_dice: 0.
5270572304725647, print_iou: 0.35782602429389954
7835 Epoch 42/499: 91%|██████████| 145/160 [15:04<01:33, 6.25s/it]print_dice: 0.
48548105359077454, print_iou: 0.320551335811615
7836 Epoch 42/499: 91%|██████████| 146/160 [15:11<01:27, 6.24s/it]print_dice: 0.501261293888092
, print_iou: 0.3344554603099823
7837 Epoch 42/499: 92%|██████████| 147/160 [15:17<01:20, 6.23s/it]print_dice: 0.
46448662877082825, print_iou: 0.3024959862232208
7838 Epoch 42/499: 92%|██████████| 148/160 [15:23<01:14, 6.20s/it]print_dice: 0.
4723716378211975, print_iou: 0.30921897292137146
7839 print_dice: 0.5911926627159119, print_iou: 0.41964051127433777
7840 Epoch 42/499: 94%|██████████| 150/160 [15:35<01:01, 6.20s/it]print_dice: 0.
5924564003944397, print_iou: 0.4209151268005371
7841 Epoch 42/499: 94%|██████████| 151/160 [15:42<00:55, 6.19s/it]print_dice: 0.
4899965226650238, print_iou: 0.32450026273727417
7842 Epoch 42/499: 95%|██████████| 152/160 [15:48<00:49, 6.19s/it]print_dice: 0.
6124731302261353, print_iou: 0.4414134919643402
7843 Epoch 42/499: 96%|██████████| 153/160 [15:54<00:43, 6.25s/it]print_dice: 0.
5412285923957825, print_iou: 0.3710167407989502
7844 Epoch 42/499: 96%|██████████| 154/160 [16:00<00:37, 6.21s/it]print_dice: 0.
47511473298072815, print_iou: 0.3115740716457367
7845 Epoch 42/499: 97%|██████████| 155/160 [16:07<00:31, 6.24s/it]print_dice: 0.
5604540109634399, print_iou: 0.38932693004608154
7846 print_dice: 0.5010494589805603, print_iou: 0.33426687121391296
7847 Epoch 42/499: 98%|██████████| 157/160 [16:19<00:18, 6.24s/it]print_dice: 0.
5274895429611206, print_iou: 0.35822466015815735
7848 print_dice: 0.5867857336997986, print_iou: 0.41521358489990234
7849 Epoch 42/499: 99%|██████████| 159/160 [16:31<00:06, 6.21s/it]print_dice: 0.
5399158596992493, print_iou: 0.36978408694267273
7850 Epoch 42/499: 100%|██████████| 160/160 [16:38<00:00, 6.21s/it]print_dice: 0.
5723360776901245, print_iou: 0.40088993310928345
7851 [159/160] eta: 0:00:06 time: 6.2199 data: 0.0006
7852 Epoch 42/499: 100%|██████████| 160/160 [16:39<00:00, 6.25s/it]
7853 Total time: 0:16:39 (6.2456 s / it)
7854 Averaged stats: training_loss: -446.6546 (-446.6546) loss_mask: -446.5989 (-446.5989)
loss_dice: -0.0557 (-0.0557)
7855 Net parameter norm: 1053.840167081682
7856 0%|██████████| 0/12 [00:00<?, ?it/s]Validating...
7857 Valid_data_loader len: 12
7858 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2963e-04, 2.
2995e-04, 2.3302e-04, ..., 1.0000e+00, 1.0000e+00,
7859 1.0000e+00], grad_fn=<Unique2Backward0>)
7860 print_dice: 0.5654098391532898, print_iou: 0.39412635564804077
7861 8%|██████████| 1/12 [00:10<01:54, 10.41s/it] [ 0/12] eta: 0:02:04 time: 10.4092 data
: 6.0190
7862 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2974e-04, 2.
3001e-04, 2.3270e-04, ..., 1.0000e+00, 1.0000e+00,
7863 1.0000e+00], grad_fn=<Unique2Backward0>)
7864 17%|██████████| 2/12 [00:14<01:08, 6.83s/it]print_dice: 0.6165676712989807, print_iou: 0.
4456796646118164
7865 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.3322e-04, 5.
4486e-04, 5.5128e-04, ..., 9.9999e-01, 9.9999e-01,
7866 9.9999e-01], grad_fn=<Unique2Backward0>)
7867 25%|██████████| 3/12 [00:18<00:50, 5.62s/it]print_dice: 0.5345218777656555, print_iou: 0.

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7867 36474230885505676
7868 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.7010e-04, 2.
      8178e-04, 2.8270e-04, ..., 1.0000e+00, 1.0000e+00,
7869      1.0000e+00], grad_fn=<Unique2Backward0>)
7870 print_dice: 0.5266765356063843, print_iou: 0.3574751317501068
7871 33%|███████| 4/12 [00:22<00:40, 5.01s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([1.9046e-04, 1.9899e-04, 2.0151e-04, ..., 1.0000e+00, 1.
      0000e+00,
7872      1.0000e+00], grad_fn=<Unique2Backward0>)
7873 print_dice: 0.5791206955909729, print_iou: 0.40757909417152405
7874 42%|███████| 5/12 [00:27<00:32, 4.69s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([2.2961e-04, 2.2997e-04, 2.3304e-04, ..., 1.0000e+00, 1.
      0000e+00,
7875      1.0000e+00], grad_fn=<Unique2Backward0>)
7876 50%|███████| 6/12 [00:31<00:27, 4.51s/it]print_dice: 0.5140690803527832, print_iou: 0.
      34595757722854614
7877 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2958e-04, 2.
      2994e-04, 2.3305e-04, ..., 1.0000e+00, 1.0000e+00,
7878      1.0000e+00], grad_fn=<Unique2Backward0>)
7879 58%|███████| 7/12 [00:35<00:22, 4.41s/it]print_dice: 0.44529250264167786, print_iou: 0
      .28641560673713684
7880 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.7923e-04, 3.
      9308e-04, 4.0295e-04, ..., 9.9999e-01, 9.9999e-01,
7881      9.9999e-01], grad_fn=<Unique2Backward0>)
7882 print_dice: 0.5527840852737427, print_iou: 0.3819637894630432
7883 67%|███████| 8/12 [00:39<00:17, 4.31s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([2.2974e-04, 2.3003e-04, 2.3295e-04, ..., 1.0000e+00, 1.
      0000e+00,
7884      1.0000e+00], grad_fn=<Unique2Backward0>)
7885 print_dice: 0.5709009766578674, print_iou: 0.3994831442832947
7886 75%|███████| 9/12 [00:43<00:12, 4.26s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([5.1226e-04, 5.2404e-04, 5.4844e-04, ..., 9.9999e-01, 9.
      9999e-01,
7887      9.9999e-01], grad_fn=<Unique2Backward0>)
7888 print_dice: 0.5824456810951233, print_iou: 0.4108806550502777
7889 83%|███████| 10/12 [00:47<00:08, 4.20s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([2.2966e-04, 2.2997e-04, 2.3296e-04, ..., 1.0000e+00, 1.
      0000e+00,
7890      1.0000e+00], grad_fn=<Unique2Backward0>)
7891 92%|███████| 11/12 [00:51<00:04, 4.17s/it]print_dice: 0.6211606860160828, print_iou: 0
      .4504953622817993
7892 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.7756e-04, 6.
      2969e-04, 6.3882e-04, ..., 9.9998e-01, 9.9998e-01,
7893      9.9998e-01], grad_fn=<Unique2Backward0>)
7894 print_dice: 0.590294599533081, print_iou: 0.41873615980148315
7895 [11/12] eta: 0:00:04 time: 4.6614 data: 0.5021
7896 100%|███████| 12/12 [00:56<00:00, 4.70s/it]
7897 Total time: 0:00:56 (4.6995 s / it)
7898 =====
7899 Averaged stats:
7900 epoch: 43 learning rate: 1e-08
7901 Epoch 43/499: 1%|███████| 1/160 [00:10<27:39, 10.44s/it]print_dice: 0.46449750661849976
      , print_iou: 0.302505224943161
7902 [ 0/160] eta: 0:27:50 time: 10.4388 data: 3.9479
7903 Epoch 43/499: 1%|███████| 2/160 [00:16<20:59, 7.97s/it]print_dice: 0.6012231707572937
      , print_iou: 0.4298206567764282
7904 print_dice: 0.4806421101093292, print_iou: 0.31634554266929626
7905 Epoch 43/499: 2%|███████| 4/160 [00:29<17:46, 6.83s/it]print_dice: 0.507496178150177
      , print_iou: 0.34003007411956787
7906 Epoch 43/499: 3%|███████| 5/160 [00:35<16:57, 6.57s/it]print_dice: 0.4939434230327606
      , print_iou: 0.32797133922576904
7907 print_dice: 0.5083964467048645, print_iou: 0.34083887934684753
7908 Epoch 43/499: 4%|███████| 7/160 [00:47<16:17, 6.39s/it]print_dice: 0.5366190075874329
      , print_iou: 0.36669808626174927
7909 Epoch 43/499: 5%|███████| 8/160 [00:54<16:06, 6.36s/it]print_dice: 0.5482790470123291
      , print_iou: 0.37767523527145386
7910 print_dice: 0.5483658313751221, print_iou: 0.37775757908821106
7911 Epoch 43/499: 6%|███████| 10/160 [01:06<15:38, 6.26s/it]print_dice: 0.5024488568305969
      , print_iou: 0.3355136811733246

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7912 Epoch 43/499:  7%|█          | 11/160 [01:12<15:30,  6.25s/it]print_dice: 0.
    42260265350341797,   print_iou: 0.2679113447666168
7913 print_dice: 0.5582400560379028,   print_iou: 0.3871934711933136
7914 Epoch 43/499:  8%|█          | 13/160 [01:25<15:22,  6.28s/it]print_dice: 0.
    46290186047554016,   print_iou: 0.3011530935764313
7915 Epoch 43/499:  9%|█          | 14/160 [01:31<15:16,  6.28s/it]print_dice: 0.6216917634010315
    ,   print_iou: 0.4510542154312134
7916 Epoch 43/499:  9%|█          | 15/160 [01:37<15:10,  6.28s/it]print_dice: 0.5987817049026489
    ,   print_iou: 0.42732933163642883
7917 Epoch 43/499: 10%|█         | 16/160 [01:44<15:00,  6.26s/it]print_dice: 0.5269401669502258
    ,   print_iou: 0.3577180802822113
7918 print_dice: 0.5667881369590759,   print_iou: 0.3954671323299408
7919 Epoch 43/499: 11%|█         | 18/160 [01:56<14:39,  6.19s/it]print_dice: 0.5146370530128479
    ,   print_iou: 0.34647229313850403
7920 Epoch 43/499: 12%|█         | 19/160 [02:02<14:40,  6.25s/it]print_dice: 0.
    45864996314048767,   print_iou: 0.2975637912750244
7921 Epoch 43/499: 12%|█         | 20/160 [02:08<14:35,  6.25s/it]print_dice: 0.5069249868392944
    ,   print_iou: 0.33951741456985474
7922 print_dice: 0.5137993097305298,   print_iou: 0.3457132875919342
7923 Epoch 43/499: 14%|██        | 22/160 [02:21<14:18,  6.22s/it]print_dice: 0.5582713484764099
    ,   print_iou: 0.38722360134124756
7924 Epoch 43/499: 14%|██        | 23/160 [02:27<14:13,  6.23s/it]print_dice: 0.564045786857605
    ,   print_iou: 0.39280208945274353
7925 Epoch 43/499: 15%|██        | 24/160 [02:33<14:11,  6.26s/it]print_dice: 0.5319087505340576
    ,   print_iou: 0.3623131215572357
7926 Epoch 43/499: 16%|██        | 25/160 [02:40<14:02,  6.24s/it]print_dice: 0.
    48329535126686096,   print_iou: 0.3186483085155487
7927 Epoch 43/499: 16%|██        | 26/160 [02:46<13:57,  6.25s/it]print_dice: 0.4733355641365051
    ,   print_iou: 0.3100455701351166
7928 Epoch 43/499: 17%|██        | 27/160 [02:52<13:53,  6.27s/it]print_dice: 0.5664218664169312
    ,   print_iou: 0.395110547542572
7929 Epoch 43/499: 18%|██        | 28/160 [02:58<13:42,  6.23s/it]print_dice: 0.
    44395965337753296,   print_iou: 0.2853137254714966
7930 print_dice: 0.6141654849052429,   print_iou: 0.44317373633384705
7931 Epoch 43/499: 19%|██       | 30/160 [03:11<13:30,  6.24s/it]print_dice: 0.
    48763179779052734,   print_iou: 0.32242926955223083
7932 Epoch 43/499: 19%|██       | 31/160 [03:17<13:24,  6.24s/it]print_dice: 0.5019835233688354
    ,   print_iou: 0.33509883284568787
7933 Epoch 43/499: 20%|██       | 32/160 [03:23<13:15,  6.22s/it]print_dice: 0.5415226817131042
    ,   print_iou: 0.37129318714141846
7934 print_dice: 0.4824874699115753,   print_iou: 0.31794628500938416
7935 Epoch 43/499: 21%|██       | 34/160 [03:36<13:07,  6.25s/it]print_dice: 0.5390498638153076
    ,   print_iou: 0.36897215247154236
7936 Epoch 43/499: 22%|██       | 35/160 [03:42<13:00,  6.24s/it]print_dice: 0.5669847130775452
    ,   print_iou: 0.3956584930419922
7937 Epoch 43/499: 22%|██       | 36/160 [03:48<12:52,  6.23s/it]print_dice: 0.5509994626045227
    ,   print_iou: 0.38026174902915955
7938 Epoch 43/499: 23%|██       | 37/160 [03:54<12:44,  6.22s/it]print_dice: 0.5784128308296204
    ,   print_iou: 0.40687820315361023
7939 print_dice: 0.5862751007080078,   print_iou: 0.4147024154663086
7940 Epoch 43/499: 24%|██       | 39/160 [04:07<12:32,  6.22s/it]print_dice: 0.5423981547355652
    ,   print_iou: 0.3721168339252472
7941 Epoch 43/499: 25%|██       | 40/160 [04:13<12:28,  6.24s/it]print_dice: 0.5964961051940918
    ,   print_iou: 0.4250049293041229
7942 Epoch 43/499: 26%|██       | 41/160 [04:19<12:26,  6.27s/it]print_dice: 0.5878499746322632
    ,   print_iou: 0.4162801504135132
7943 Epoch 43/499: 26%|██       | 42/160 [04:26<12:16,  6.24s/it]print_dice: 0.5506689548492432
    ,   print_iou: 0.3799469769001007
7944 Epoch 43/499: 27%|██       | 43/160 [04:32<12:14,  6.28s/it]print_dice: 0.4684397876262665
    ,   print_iou: 0.30585789680480957
7945 Epoch 43/499: 28%|██       | 44/160 [04:38<12:11,  6.30s/it]print_dice: 0.5723597407341003
    ,   print_iou: 0.4009131193161011
7946 print_dice: 0.4730176031589508,   print_iou: 0.309772789478302
7947 Epoch 43/499: 29%|██      | 46/160 [04:50<11:45,  6.18s/it]print_dice: 0.5653415322303772
    ,   print_iou: 0.39406001567840576
7948 print_dice: 0.5744593143463135,   print_iou: 0.40297645330429077
7949 Epoch 43/499: 30%|██      | 48/160 [05:03<11:32,  6.18s/it]print_dice: 0.5476272702217102
    ,   print_iou: 0.3770569860935211
7950 Epoch 43/499: 31%|██      | 49/160 [05:09<11:26,  6.18s/it]print_dice: 0.5514348745346069

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7950 , print_iou: 0.38067659735679626
7951 print_dice: 0.4488934576511383, print_iou: 0.2894020974636078
7952 Epoch 43/499: 32%|██████| 51/160 [05:22<11:19, 6.23s/it]print_dice: 0.5610463619232178
, print_iou: 0.3898988366127014
7953 Epoch 43/499: 32%|██████| 52/160 [05:28<11:10, 6.21s/it]print_dice: 0.509328305721283
, print_iou: 0.3416770398616791
7954 Epoch 43/499: 33%|██████| 53/160 [05:34<11:03, 6.20s/it]print_dice: 0.5857584476470947
, print_iou: 0.4141855835914612
7955 print_dice: 0.5627648234367371, print_iou: 0.39156070351600647
7956 Epoch 43/499: 34%|██████| 55/160 [05:47<11:00, 6.29s/it]print_dice: 0.5270909667015076
, print_iou: 0.3578571081161499
7957 Epoch 43/499: 35%|██████| 56/160 [05:53<10:52, 6.28s/it]print_dice: 0.5882095694541931
, print_iou: 0.41664084792137146
7958 Epoch 43/499: 36%|██████| 57/160 [05:59<10:44, 6.26s/it]print_dice: 0.5656588077545166
, print_iou: 0.39436838030815125
7959 Epoch 43/499: 36%|██████| 58/160 [06:05<10:33, 6.21s/it]print_dice: 0.5894363522529602
, print_iou: 0.41787293553352356
7960 Epoch 43/499: 37%|██████| 59/160 [06:12<10:31, 6.25s/it]print_dice: 0.5537135004997253
, print_iou: 0.38285186886787415
7961 Epoch 43/499: 38%|██████| 60/160 [06:18<10:29, 6.29s/it]print_dice: 0.4818190336227417
, print_iou: 0.31736600399017334
7962 Epoch 43/499: 38%|██████| 61/160 [06:24<10:23, 6.30s/it]print_dice: 0.5546378493309021
, print_iou: 0.383736252784729
7963 Epoch 43/499: 39%|██████| 62/160 [06:30<10:14, 6.27s/it]print_dice: 0.5603120923042297
, print_iou: 0.3891899883747101
7964 Epoch 43/499: 39%|██████| 63/160 [06:36<10:01, 6.20s/it]print_dice: 0.5606539249420166
, print_iou: 0.3895198702812195
7965 Epoch 43/499: 40%|██████| 64/160 [06:43<09:52, 6.17s/it]print_dice: 0.5952327251434326
, print_iou: 0.42372339963912964
7966 Epoch 43/499: 41%|██████| 65/160 [06:49<09:47, 6.19s/it]print_dice: 0.5411972403526306
, print_iou: 0.37098726630210876
7967 Epoch 43/499: 41%|██████| 66/160 [06:55<09:43, 6.21s/it]print_dice: 0.5493515133857727
, print_iou: 0.37869375944137573
7968 Epoch 43/499: 42%|██████| 67/160 [07:01<09:35, 6.19s/it]print_dice: 0.5104414224624634
, print_iou: 0.3426796495914459
7969 Epoch 43/499: 42%|██████| 68/160 [07:07<09:30, 6.20s/it]print_dice: 0.5729501843452454
, print_iou: 0.40149274468421936
7970 Epoch 43/499: 43%|██████| 69/160 [07:14<09:22, 6.18s/it]print_dice: 0.5073702931404114
, print_iou: 0.33991706371307373
7971 Epoch 43/499: 44%|██████| 70/160 [07:20<09:12, 6.14s/it]print_dice: 0.4852178394794464
, print_iou: 0.32032185792922974
7972 Epoch 43/499: 44%|██████| 71/160 [07:26<09:06, 6.14s/it]print_dice: 0.5177720785140991
, print_iou: 0.3493201732635498
7973 Epoch 43/499: 45%|██████| 72/160 [07:32<09:05, 6.20s/it]print_dice: 0.5334225296974182
, print_iou: 0.36371928453445435
7974 print_dice: 0.5435472130775452, print_iou: 0.37319931387901306
7975 Epoch 43/499: 46%|██████| 74/160 [07:44<08:52, 6.19s/it]print_dice: 0.52665776014328
, print_iou: 0.35745784640312195
7976 Epoch 43/499: 47%|██████| 75/160 [07:51<08:48, 6.22s/it]print_dice: 0.526494562625885
, print_iou: 0.357307493686676
7977 Epoch 43/499: 48%|██████| 76/160 [07:57<08:41, 6.20s/it]print_dice: 0.542982280254364
, print_iou: 0.3726668953895569
7978 Epoch 43/499: 48%|██████| 77/160 [08:03<08:35, 6.22s/it]print_dice: 0.5880575180053711
, print_iou: 0.41648828983306885
7979 print_dice: 0.49818286299705505, print_iou: 0.3317200541496277
7980 Epoch 43/499: 49%|██████| 79/160 [08:16<08:23, 6.21s/it]print_dice: 0.5219258666038513
, print_iou: 0.3531121015548706
7981 Epoch 43/499: 50%|██████| 80/160 [08:22<08:15, 6.19s/it]print_dice: 0.5589321255683899
, print_iou: 0.3878597021102905
7982 Epoch 43/499: 51%|██████| 81/160 [08:28<08:06, 6.16s/it]print_dice: 0.5388941764831543
, print_iou: 0.3688262701034546
7983 Epoch 43/499: 51%|██████| 82/160 [08:34<08:03, 6.19s/it]print_dice: 0.6170729398727417
, print_iou: 0.4462078809738159
7984 Epoch 43/499: 52%|██████| 83/160 [08:40<07:58, 6.21s/it]print_dice: 0.5435175895690918
, print_iou: 0.3731713891029358
7985 Epoch 43/499: 52%|██████| 84/160 [08:47<07:54, 6.25s/it]print_dice: 0.5969091057777405
, print_iou: 0.42542439699172974
7986 print_dice: 0.5374975800514221, print_iou: 0.3675191104412079
7987 Epoch 43/499: 54%|██████| 86/160 [08:59<07:42, 6.24s/it]print_dice: 0.6091220378875732

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7987 , print_iou: 0.43794065713882446
7988 print_dice: 0.6450141668319702, print_iou: 0.47603023052215576
7989 Epoch 43/499: 55%|███████| 88/160 [09:12<07:37, 6.35s/it]print_dice: 0.4789556562900543
, print_iou: 0.31488606333732605
7990 Epoch 43/499: 56%|███████| 89/160 [09:18<07:30, 6.35s/it]print_dice: 0.6178719997406006
, print_iou: 0.4470440149307251
7991 Epoch 43/499: 56%|███████| 90/160 [09:24<07:19, 6.27s/it]print_dice: 0.5570783615112305
, print_iou: 0.3860766291618347
7992 Epoch 43/499: 57%|███████| 91/160 [09:31<07:14, 6.30s/it]print_dice: 0.4925786852836609
, print_iou: 0.326769083738327
7993 print_dice: 0.592481791973114, print_iou: 0.4209407866001129
7994 Epoch 43/499: 58%|███████| 93/160 [09:43<06:56, 6.22s/it]print_dice: 0.
47252291440963745, print_iou: 0.30934861302375793
7995 print_dice: 0.4863090217113495, print_iou: 0.32127365469932556
7996 Epoch 43/499: 59%|███████| 95/160 [09:56<06:44, 6.23s/it]print_dice: 0.4922179579734802
, print_iou: 0.32645168900489807
7997 Epoch 43/499: 60%|███████| 96/160 [10:02<06:38, 6.23s/it]print_dice: 0.5182102918624878
, print_iou: 0.34971919655799866
7998 print_dice: 0.500714123249054, print_iou: 0.3339684307575226
7999 Epoch 43/499: 61%|███████| 98/160 [10:14<06:24, 6.20s/it]print_dice: 0.5299512147903442
, print_iou: 0.3604990839958191
8000 print_dice: 0.5803099274635315, print_iou: 0.40875816345214844
8001 Epoch 43/499: 62%|███████| 100/160 [10:27<06:15, 6.26s/it]print_dice: 0.
5282157063484192, print_iou: 0.35889479517936707
8002 Epoch 43/499: 63%|███████| 101/160 [10:33<06:09, 6.26s/it]print_dice: 0.426419734954834
, print_iou: 0.270986944437027
8003 [100/160] eta: 0:06:16 time: 6.2586 data: 0.0003
8004 Epoch 43/499: 64%|███████| 102/160 [10:39<06:01, 6.23s/it]print_dice: 0.
5688766241073608, print_iou: 0.3975035548210144
8005 print_dice: 0.5717171430587769, print_iou: 0.4002828598022461
8006 Epoch 43/499: 65%|███████| 104/160 [10:52<05:47, 6.21s/it]print_dice: 0.
5133358836174011, print_iou: 0.3452938199043274
8007 Epoch 43/499: 66%|███████| 105/160 [10:58<05:41, 6.21s/it]print_dice: 0.
46182864904403687, print_iou: 0.3002452552318573
8008 print_dice: 0.4529547393321991, print_iou: 0.29278698563575745
8009 Epoch 43/499: 67%|███████| 107/160 [11:10<05:26, 6.16s/it]print_dice: 0.
5479862689971924, print_iou: 0.37739747762680054
8010 print_dice: 0.5302789211273193, print_iou: 0.36080244183540344
8011 Epoch 43/499: 68%|███████| 109/160 [11:22<05:15, 6.18s/it]print_dice: 0.
5217942595481873, print_iou: 0.35299164056777954
8012 Epoch 43/499: 69%|███████| 110/160 [11:28<05:07, 6.14s/it]print_dice: 0.471437931060791
, print_iou: 0.30841922760009766
8013 print_dice: 0.5646065473556519, print_iou: 0.39334622025489807
8014 Epoch 43/499: 70%|███████| 112/160 [11:41<04:57, 6.19s/it]print_dice: 0.
5995258092880249, print_iou: 0.4280877411365509
8015 Epoch 43/499: 71%|███████| 113/160 [11:47<04:50, 6.17s/it]print_dice: 0.
5371090769767761, print_iou: 0.36715593934059143
8016 print_dice: 0.48911234736442566, print_iou: 0.323725163936615
8017 Epoch 43/499: 72%|███████| 115/160 [11:59<04:39, 6.21s/it]print_dice: 0.
43519216775894165, print_iou: 0.2781122028827667
8018 Epoch 43/499: 72%|███████| 116/160 [12:06<04:34, 6.23s/it]print_dice: 0.
4741828441619873, print_iou: 0.3107730448246002
8019 Epoch 43/499: 73%|███████| 117/160 [12:12<04:27, 6.22s/it]print_dice: 0.
5088533759117126, print_iou: 0.3412497043609619
8020 Epoch 43/499: 74%|███████| 118/160 [12:18<04:20, 6.19s/it]print_dice: 0.468363493680954
, print_iou: 0.30579283833503723
8021 Epoch 43/499: 74%|███████| 119/160 [12:24<04:14, 6.20s/it]print_dice: 0.
5165074467658997, print_iou: 0.34816989302635193
8022 Epoch 43/499: 75%|███████| 120/160 [12:31<04:09, 6.24s/it]print_dice: 0.
5423386693000793, print_iou: 0.3720608055591583
8023 print_dice: 0.5177347660064697, print_iou: 0.34928616881370544
8024 Epoch 43/499: 76%|███████| 122/160 [12:43<03:54, 6.18s/it]print_dice: 0.
5250240564346313, print_iou: 0.3559543192386627
8025 Epoch 43/499: 77%|███████| 123/160 [12:49<03:49, 6.21s/it]print_dice: 0.
44435766339302063, print_iou: 0.2856425642967224
8026 print_dice: 0.5005393028259277, print_iou: 0.3338128924369812
8027 Epoch 43/499: 78%|███████| 125/160 [13:02<03:38, 6.25s/it]print_dice: 0.
5472303032875061, print_iou: 0.3766807019710541
8028 print_dice: 0.5086647868156433, print_iou: 0.3410801291465759
```



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8029 Epoch 43/499: 79%|██████████| 127/160 [13:14<03:24, 6.21s/it]print_dice: 0.
5819166302680969, print_iou: 0.41035428643226624
8030 print_dice: 0.5328999161720276, print_iou: 0.3632335066795349
8031 Epoch 43/499: 81%|██████████| 129/160 [13:26<03:10, 6.15s/it]print_dice: 0.
5639229416847229, print_iou: 0.39268290996551514
8032 Epoch 43/499: 81%|██████████| 130/160 [13:32<03:04, 6.16s/it]print_dice: 0.
49258309602737427, print_iou: 0.3267729878425598
8033 Epoch 43/499: 82%|██████████| 131/160 [13:39<02:59, 6.19s/it]print_dice: 0.
49869775772094727, print_iou: 0.3321768045425415
8034 print_dice: 0.5166659951210022, print_iou: 0.34831398725509644
8035 Epoch 43/499: 83%|██████████| 133/160 [13:51<02:46, 6.17s/it]print_dice: 0.547173798084259
, print_iou: 0.3766271770000458
8036 Epoch 43/499: 84%|██████████| 134/160 [13:57<02:40, 6.17s/it]print_dice: 0.
4862782955169678, print_iou: 0.32124683260917664
8037 Epoch 43/499: 84%|██████████| 135/160 [14:03<02:35, 6.22s/it]print_dice: 0.
5314632058143616, print_iou: 0.36189979314804077
8038 print_dice: 0.4884141981601715, print_iou: 0.3231137692928314
8039 Epoch 43/499: 86%|██████████| 137/160 [14:16<02:21, 6.17s/it]print_dice: 0.
5124829411506653, print_iou: 0.3445224165916443
8040 print_dice: 0.5266153812408447, print_iou: 0.35741883516311646
8041 Epoch 43/499: 87%|██████████| 139/160 [14:28<02:10, 6.21s/it]print_dice: 0.
5414150953292847, print_iou: 0.3711920380592346
8042 Epoch 43/499: 88%|██████████| 140/160 [14:34<02:04, 6.22s/it]print_dice: 0.
5203892588615417, print_iou: 0.3517068922519684
8043 Epoch 43/499: 88%|██████████| 141/160 [14:41<01:57, 6.19s/it]print_dice: 0.
5137194395065308, print_iou: 0.34564095735549927
8044 Epoch 43/499: 89%|██████████| 142/160 [14:47<01:50, 6.16s/it]print_dice: 0.
5345222353935242, print_iou: 0.36474260687828064
8045 print_dice: 0.5427372455596924, print_iou: 0.3724361062049866
8046 Epoch 43/499: 90%|██████████| 144/160 [14:59<01:38, 6.18s/it]print_dice: 0.
5407010316848755, print_iou: 0.37052109837532043
8047 Epoch 43/499: 91%|██████████| 145/160 [15:05<01:32, 6.17s/it]print_dice: 0.
5048149228096008, print_iou: 0.33762702345848083
8048 Epoch 43/499: 91%|██████████| 146/160 [15:12<01:26, 6.20s/it]print_dice: 0.
5136747360229492, print_iou: 0.3456004858016968
8049 Epoch 43/499: 92%|██████████| 147/160 [15:18<01:20, 6.22s/it]print_dice: 0.
5472128987312317, print_iou: 0.3766642212867737
8050 Epoch 43/499: 92%|██████████| 148/160 [15:24<01:14, 6.24s/it]print_dice: 0.60871821641922
, print_iou: 0.43752333521842957
8051 print_dice: 0.4200538992881775, print_iou: 0.2658659815788269
8052 Epoch 43/499: 94%|██████████| 150/160 [15:36<01:02, 6.21s/it]print_dice: 0.
5636805295944214, print_iou: 0.39244788885116577
8053 Epoch 43/499: 94%|██████████| 151/160 [15:43<00:55, 6.22s/it]print_dice: 0.
5369958877563477, print_iou: 0.3670501708984375
8054 Epoch 43/499: 95%|██████████| 152/160 [15:49<00:49, 6.22s/it]print_dice: 0.
49886080622673035, print_iou: 0.33232149481773376
8055 print_dice: 0.5176032781600952, print_iou: 0.34916651248931885
8056 Epoch 43/499: 96%|██████████| 154/160 [16:01<00:37, 6.25s/it]print_dice: 0.510526716709137
, print_iou: 0.3427565097808838
8057 Epoch 43/499: 97%|██████████| 155/160 [16:08<00:31, 6.24s/it]print_dice: 0.
6034049391746521, print_iou: 0.4320543110370636
8058 Epoch 43/499: 98%|██████████| 156/160 [16:14<00:24, 6.21s/it]print_dice: 0.517789363861084
, print_iou: 0.34933584928512573
8059 Epoch 43/499: 98%|██████████| 157/160 [16:20<00:18, 6.22s/it]print_dice: 0.
5889946222305298, print_iou: 0.41742902994155884
8060 print_dice: 0.44090113043785095, print_iou: 0.28279227018356323
8061 Epoch 43/499: 99%|██████████| 159/160 [16:33<00:06, 6.26s/it]print_dice: 0.
5102819204330444, print_iou: 0.34253591299057007
8062 Epoch 43/499: 100%|██████████| 160/160 [16:39<00:00, 6.23s/it]print_dice: 0.
4460933208465576, print_iou: 0.2870785892009735
8063 [159/160] eta: 0:00:06 time: 6.2146 data: 0.0031
8064 Epoch 43/499: 100%|██████████| 160/160 [16:40<00:00, 6.25s/it]
8065 Total time: 0:16:40 (6.2520 s / it)
8066 Averaged stats: training_loss: 109.4757 (109.4757) loss_mask: 109.2046 (109.2046)
loss_dice: 0.2711 (0.2711)
8067 Net parameter norm: 1053.8402023286326
8068 Validating...
8069 Valid_dataloader len: 12
8070 0%| | 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique

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8070 sigmoid values: tensor([1.6755e-04, 1.7540e-04, 1.7969e-04, ..., 1.0000e+00, 1.0000e+00,
8071      1.0000e+00], grad_fn=<Unique2Backward0>)
8072  8%|██████    | 1/12 [00:09<01:48,  9.82s/it]print_dice: 0.5619444847106934, print_iou: 0.
3907669186592102
8073  [ 0/12] eta: 0:01:57   time: 9.8185  data: 5.6687
8074 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.9136e-04, 1.
9926e-04, 1.9977e-04, ..., 1.0000e+00, 1.0000e+00,
8075      1.0000e+00], grad_fn=<Unique2Backward0>)
8076 17%|██████    | 2/12 [00:14<01:05,  6.57s/it]print_dice: 0.6119598150253296, print_iou: 0.
4408804774284363
8077 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.3004e-04, 2.
3026e-04, 2.3187e-04, ..., 1.0000e+00, 1.0000e+00,
8078      1.0000e+00], grad_fn=<Unique2Backward0>)
8079 25%|██████    | 3/12 [00:18<00:49,  5.50s/it]print_dice: 0.5371208786964417, print_iou: 0.
3671669661998749
8080 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([3.9989e-04, 4.
1221e-04, 4.1951e-04, ..., 9.9999e-01, 9.9999e-01,
8081      9.9999e-01], grad_fn=<Unique2Backward0>)
8082 33%|██████    | 4/12 [00:22<00:39,  4.98s/it]print_dice: 0.525596022605896, print_iou: 0.
35648030042648315
8083 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.9064e-04, 1.
9672e-04, 2.0037e-04, ..., 1.0000e+00, 1.0000e+00,
8084      1.0000e+00], grad_fn=<Unique2Backward0>)
8085 42%|██████    | 5/12 [00:26<00:32,  4.68s/it]print_dice: 0.5760715007781982, print_iou: 0.
40456488728523254
8086 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([8.2393e-04, 8.
6099e-04, 8.9186e-04, ..., 9.9998e-01, 9.9998e-01,
8087      9.9998e-01], grad_fn=<Unique2Backward0>)
8088 50%|██████    | 6/12 [00:30<00:26,  4.50s/it]print_dice: 0.5121449828147888, print_iou: 0.
3442169725894928
8089 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.3000e-04, 2.
3020e-04, 2.3188e-04, ..., 1.0000e+00, 1.0000e+00,
8090      1.0000e+00], grad_fn=<Unique2Backward0>)
8091 print_dice: 0.44445857405662537, print_iou: 0.2857259511947632
8092 58%|██████    | 7/12 [00:35<00:22,  4.42s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([5.6504e-04, 5.7196e-04, 5.7680e-04, ..., 9.9998e-01, 9.
9998e-01,
8093      9.9998e-01], grad_fn=<Unique2Backward0>)
8094 67%|██████    | 8/12 [00:39<00:17,  4.31s/it]print_dice: 0.5516493320465088, print_iou: 0.
38088104128837585
8095 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.3018e-04, 2.
3041e-04, 2.3188e-04, ..., 1.0000e+00, 1.0000e+00,
8096      1.0000e+00], grad_fn=<Unique2Backward0>)
8097 75%|██████    | 9/12 [00:43<00:12,  4.25s/it]print_dice: 0.5685949325561523, print_iou: 0.
39722853899002075
8098 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.3004e-04, 2.
3026e-04, 2.3183e-04, ..., 1.0000e+00, 1.0000e+00,
8099      1.0000e+00], grad_fn=<Unique2Backward0>)
8100 83%|██████    | 10/12 [00:47<00:08,  4.20s/it]print_dice: 0.5790461897850037, print_iou: 0
.4075052738189697
8101 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.3013e-04, 2.
3033e-04, 2.3185e-04, ..., 1.0000e+00, 1.0000e+00,
8102      1.0000e+00], grad_fn=<Unique2Backward0>)
8103 92%|██████    | 11/12 [00:51<00:04,  4.15s/it]print_dice: 0.6191303133964539, print_iou: 0
.4483625888824463
8104 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.0856e-04, 2.
1299e-04, 2.1477e-04, ..., 1.0000e+00, 1.0000e+00,
8105      1.0000e+00], grad_fn=<Unique2Backward0>)
8106 print_dice: 0.5802699327468872, print_iou: 0.4087184965610504
8107  [11/12] eta: 0:00:04   time: 4.6299  data: 0.4733
8108 100%|██████    | 12/12 [00:56<00:00,  4.67s/it]
8109 Total time: 0:00:56 (4.6676 s / it)
8110 =====
8111 Averaged stats:
8112 Epoch 44/499:  0%|          | 0/160 [00:00<?, ?it/s]epoch: 44  learning rate: 1e-08
8113 Epoch 44/499:  1%|          | 1/160 [00:10<27:21, 10.33s/it]print_dice: 0.5336912274360657
, print_iou: 0.36396920680999756
8114  [ 0/160] eta: 0:27:32   time: 10.3281  data: 4.0334
8115 Epoch 44/499:  1%||        | 2/160 [00:16<20:57,  7.96s/it]print_dice: 0.46866893768310547

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8115 , print_iou: 0.3060533106327057
8116 Epoch 44/499: 2%|█          | 3/160 [00:23<18:57, 7.24s/it]print_dice: 0.5819147825241089
, print_iou: 0.410352498292923
8117 Epoch 44/499: 2%|█          | 4/160 [00:29<17:48, 6.85s/it]print_dice: 0.4516485035419464
, print_iou: 0.29169633984565735
8118 Epoch 44/499: 3%|█          | 5/160 [00:35<17:07, 6.63s/it]print_dice: 0.5637222528457642
, print_iou: 0.3924883306026459
8119 print_dice: 0.6187654733657837, print_iou: 0.44798001646995544
8120 Epoch 44/499: 4%|█          | 7/160 [00:48<16:27, 6.45s/it]print_dice: 0.560043215751648
, print_iou: 0.3889305591583252
8121 Epoch 44/499: 5%|█          | 8/160 [00:54<16:10, 6.38s/it]print_dice: 0.5524170994758606
, print_iou: 0.38161346316337585
8122 print_dice: 0.525589644908905, print_iou: 0.35647448897361755
8123 Epoch 44/499: 6%|█          | 10/160 [01:06<15:43, 6.29s/it]print_dice: 0.5396120548248291
, print_iou: 0.3694991171360016
8124 Epoch 44/499: 7%|█          | 11/160 [01:13<15:35, 6.28s/it]print_dice: 0.5855828523635864
, print_iou: 0.4140099883079529
8125 Epoch 44/499: 8%|█          | 12/160 [01:19<15:24, 6.25s/it]print_dice: 0.5189329981803894
, print_iou: 0.35037779808044434
8126 print_dice: 0.5339217185974121, print_iou: 0.364183634519577
8127 Epoch 44/499: 9%|█          | 14/160 [01:31<15:24, 6.33s/it]print_dice: 0.5770949125289917
, print_iou: 0.40557509660720825
8128 Epoch 44/499: 9%|█          | 15/160 [01:38<15:19, 6.34s/it]print_dice: 0.5467092394828796
, print_iou: 0.37618711590766907
8129 Epoch 44/499: 10%|█         | 16/160 [01:44<15:06, 6.29s/it]print_dice: 0.5187724828720093
, print_iou: 0.35023146867752075
8130 Epoch 44/499: 11%|█         | 17/160 [01:50<14:59, 6.29s/it]print_dice: 0.5470588803291321
, print_iou: 0.37651827931404114
8131 print_dice: 0.5155773758888245, print_iou: 0.3473251760005951
8132 Epoch 44/499: 12%|█         | 19/160 [02:03<14:45, 6.28s/it]print_dice: 0.5207138061523438
, print_iou: 0.35200342535972595
8133 Epoch 44/499: 12%|█         | 20/160 [02:09<14:39, 6.28s/it]print_dice: 0.4952588379383087
, print_iou: 0.3291322588920593
8134 print_dice: 0.5837780237197876, print_iou: 0.41220802068710327
8135 Epoch 44/499: 14%|█         | 22/160 [02:22<14:21, 6.24s/it]print_dice: 0.5574941635131836
, print_iou: 0.38647618889808655
8136 print_dice: 0.5862258076667786, print_iou: 0.41465306282043457
8137 Epoch 44/499: 15%|█         | 24/160 [02:34<14:05, 6.22s/it]print_dice: 0.5080052614212036
, print_iou: 0.3404873311519623
8138 Epoch 44/499: 16%|█         | 25/160 [02:40<13:57, 6.21s/it]print_dice: 0.5550299286842346
, print_iou: 0.3841117322444916
8139 Epoch 44/499: 16%|█         | 26/160 [02:46<13:48, 6.18s/it]print_dice: 0.5524879693984985
, print_iou: 0.38168108463287354
8140 print_dice: 0.4925934970378876, print_iou: 0.32678213715553284
8141 Epoch 44/499: 18%|█         | 28/160 [02:59<13:35, 6.18s/it]print_dice: 0.
42728152871131897, print_iou: 0.27168339490890503
8142 Epoch 44/499: 18%|█         | 29/160 [03:05<13:36, 6.23s/it]print_dice: 0.
49995100498199463, print_iou: 0.33328977227211
8143 Epoch 44/499: 19%|█         | 30/160 [03:11<13:25, 6.20s/it]print_dice: 0.506229043006897
, print_iou: 0.338893324136734
8144 print_dice: 0.5097214579582214, print_iou: 0.34203100204467773
8145 Epoch 44/499: 20%|█         | 32/160 [03:23<13:12, 6.19s/it]print_dice: 0.5610655546188354
, print_iou: 0.38991740345954895
8146 Epoch 44/499: 21%|█         | 33/160 [03:30<13:09, 6.22s/it]print_dice: 0.5304822325706482
, print_iou: 0.3609906733036041
8147 Epoch 44/499: 21%|█         | 34/160 [03:36<13:04, 6.23s/it]print_dice: 0.4902898669242859
, print_iou: 0.3247576355934143
8148 print_dice: 0.5404447317123413, print_iou: 0.370280385017395
8149 Epoch 44/499: 22%|█         | 36/160 [03:48<12:46, 6.18s/it]print_dice: 0.5313593149185181
, print_iou: 0.36180347204208374
8150 Epoch 44/499: 23%|█         | 37/160 [03:54<12:40, 6.18s/it]print_dice: 0.58591228723526
, print_iou: 0.41433942317962646
8151 Epoch 44/499: 24%|█         | 38/160 [04:01<12:35, 6.19s/it]print_dice: 0.5474264025688171
, print_iou: 0.37686654925346375
8152 Epoch 44/499: 24%|█         | 39/160 [04:07<12:28, 6.19s/it]print_dice: 0.4767225980758667
, print_iou: 0.3129585087299347
8153 print_dice: 0.44355958700180054, print_iou: 0.2849833369255066
8154 Epoch 44/499: 26%|█         | 41/160 [04:19<12:14, 6.17s/it]print_dice: 0.6197920441627502
, print_iou: 0.449057012796402

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8155 print_dice: 0.4900543987751007, print_iou: 0.3245510458946228
8156 Epoch 44/499: 27%|██████| 43/160 [04:31<12:00, 6.16s/it]print_dice: 0.
    42032963037490845, print_iou: 0.2660869359970093
8157 print_dice: 0.5487711429595947, print_iou: 0.37814241647720337
8158 Epoch 44/499: 28%|██████| 45/160 [04:44<11:50, 6.18s/it]print_dice: 0.5131257176399231
    , print_iou: 0.3451036214828491
8159 print_dice: 0.5019975304603577, print_iou: 0.3351112902164459
8160 Epoch 44/499: 29%|██████| 47/160 [04:56<11:42, 6.22s/it]print_dice: 0.5304847359657288
    , print_iou: 0.36099299788475037
8161 Epoch 44/499: 30%|██████| 48/160 [05:03<11:34, 6.20s/it]print_dice: 0.5027891397476196
    , print_iou: 0.3358171880245209
8162 Epoch 44/499: 31%|██████| 49/160 [05:09<11:26, 6.19s/it]print_dice: 0.5125760436058044
    , print_iou: 0.34460657835006714
8163 Epoch 44/499: 31%|██████| 50/160 [05:15<11:22, 6.20s/it]print_dice: 0.5688048601150513
    , print_iou: 0.39743348956108093
8164 Epoch 44/499: 32%|██████| 51/160 [05:21<11:12, 6.17s/it]print_dice: 0.4944438338279724
    , print_iou: 0.3284127414226532
8165 Epoch 44/499: 32%|██████| 52/160 [05:27<11:07, 6.18s/it]print_dice: 0.559663712978363
    , print_iou: 0.3885645866394043
8166 Epoch 44/499: 33%|██████| 53/160 [05:34<11:03, 6.20s/it]print_dice: 0.5357977151870728
    , print_iou: 0.36593151092529297
8167 print_dice: 0.48204001784324646, print_iou: 0.31755778193473816
8168 Epoch 44/499: 34%|██████| 55/160 [05:46<10:49, 6.19s/it]print_dice: 0.5309705138206482
    , print_iou: 0.36144307255744934
8169 print_dice: 0.518105149269104, print_iou: 0.349623441696167
8170 Epoch 44/499: 36%|██████| 57/160 [05:58<10:38, 6.20s/it]print_dice: 0.5252622365951538
    , print_iou: 0.3561733365058899
8171 Epoch 44/499: 36%|██████| 58/160 [06:05<10:35, 6.23s/it]print_dice: 0.4170477092266083
    , print_iou: 0.2634619474411011
8172 Epoch 44/499: 37%|██████| 59/160 [06:11<10:30, 6.24s/it]print_dice: 0.5148825645446777
    , print_iou: 0.34669485688209534
8173 Epoch 44/499: 38%|██████| 60/160 [06:17<10:19, 6.19s/it]print_dice: 0.5519111156463623
    , print_iou: 0.3811306655406952
8174 print_dice: 0.5357835292816162, print_iou: 0.36591821908950806
8175 Epoch 44/499: 39%|██████| 62/160 [06:29<10:09, 6.22s/it]print_dice: 0.5685372352600098
    , print_iou: 0.397172212600708
8176 Epoch 44/499: 39%|██████| 63/160 [06:36<10:00, 6.20s/it]print_dice: 0.5074222087860107
    , print_iou: 0.3399636447429657
8177 print_dice: 0.5974823832511902, print_iou: 0.4260070025920868
8178 Epoch 44/499: 41%|██████| 65/160 [06:48<09:46, 6.17s/it]print_dice: 0.4916156828403473
    , print_iou: 0.32592204213142395
8179 Epoch 44/499: 41%|██████| 66/160 [06:54<09:42, 6.20s/it]print_dice: 0.6089173555374146
    , print_iou: 0.4377290904521942
8180 Epoch 44/499: 42%|██████| 67/160 [07:00<09:36, 6.20s/it]print_dice: 0.5661659836769104
    , print_iou: 0.3948615789413452
8181 Epoch 44/499: 42%|██████| 68/160 [07:06<09:30, 6.20s/it]print_dice: 0.5986493825912476
    , print_iou: 0.42719459533691406
8182 Epoch 44/499: 43%|██████| 69/160 [07:13<09:23, 6.20s/it]print_dice: 0.4984036386013031
    , print_iou: 0.33191585540771484
8183 Epoch 44/499: 44%|██████| 70/160 [07:19<09:16, 6.18s/it]print_dice: 0.5034825205802917
    , print_iou: 0.33643609285354614
8184 Epoch 44/499: 44%|██████| 71/160 [07:25<09:10, 6.18s/it]print_dice: 0.5890896320343018
    , print_iou: 0.4175244867801666
8185 print_dice: 0.46835756301879883, print_iou: 0.3057878017425537
8186 Epoch 44/499: 46%|██████| 73/160 [07:37<08:58, 6.19s/it]print_dice: 0.
    46857473254203796, print_iou: 0.30597296357154846
8187 Epoch 44/499: 46%|██████| 74/160 [07:44<08:53, 6.20s/it]print_dice: 0.5151979923248291
    , print_iou: 0.3469809293746948
8188 Epoch 44/499: 47%|██████| 75/160 [07:50<08:47, 6.21s/it]print_dice: 0.5860050320625305
    , print_iou: 0.414432168006897
8189 Epoch 44/499: 48%|██████| 76/160 [07:56<08:41, 6.21s/it]print_dice: 0.5352402329444885
    , print_iou: 0.365411639213562
8190 Epoch 44/499: 48%|██████| 77/160 [08:02<08:35, 6.21s/it]print_dice: 0.5104522109031677
    , print_iou: 0.3426893651485443
8191 Epoch 44/499: 49%|██████| 78/160 [08:09<08:30, 6.22s/it]print_dice: 0.5605759620666504
    , print_iou: 0.38944461941719055
8192 Epoch 44/499: 49%|██████| 79/160 [08:15<08:22, 6.20s/it]print_dice: 0.5305711627006531
    , print_iou: 0.3610730469226837
8193 print_dice: 0.5156372785568237, print_iou: 0.34737956523895264
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8194 Epoch 44/499: 51%|██████| 81/160 [08:27<08:10, 6.20s/it]print_dice: 0.5372370481491089
, print_iou: 0.36727553606033325
8195 print_dice: 0.60390305519104, print_iou: 0.43256524205207825
8196 Epoch 44/499: 52%|██████| 83/160 [08:40<07:59, 6.23s/it]print_dice: 0.4978543817996979
, print_iou: 0.3314288556575775
8197 print_dice: 0.5488380193710327, print_iou: 0.37820592522621155
8198 Epoch 44/499: 53%|██████| 85/160 [08:52<07:48, 6.25s/it]print_dice: 0.5725312829017639
, print_iou: 0.40108150243759155
8199 Epoch 44/499: 54%|██████| 86/160 [08:58<07:40, 6.22s/it]print_dice: 0.5028260350227356
, print_iou: 0.3358500897884369
8200 Epoch 44/499: 54%|██████| 87/160 [09:04<07:31, 6.18s/it]print_dice: 0.
44704878330230713, print_iou: 0.28787046670913696
8201 Epoch 44/499: 55%|██████| 88/160 [09:11<07:27, 6.21s/it]print_dice: 0.5146179795265198
, print_iou: 0.3464549481868744
8202 Epoch 44/499: 56%|██████| 89/160 [09:17<07:21, 6.22s/it]print_dice: 0.5880173444747925
, print_iou: 0.4164479970932007
8203 Epoch 44/499: 56%|██████| 90/160 [09:23<07:17, 6.25s/it]print_dice: 0.5153133869171143
, print_iou: 0.3470856249332428
8204 print_dice: 0.5111154913902283, print_iou: 0.34328752756118774
8205 Epoch 44/499: 57%|██████| 92/160 [09:36<07:04, 6.24s/it]print_dice: 0.5319111347198486
, print_iou: 0.3623153865337372
8206 Epoch 44/499: 58%|██████| 93/160 [09:42<06:57, 6.23s/it]print_dice: 0.5834710001945496
, print_iou: 0.41190189123153687
8207 Epoch 44/499: 59%|██████| 94/160 [09:48<06:52, 6.26s/it]print_dice: 0.
44134247303009033, print_iou: 0.28315553069114685
8208 Epoch 44/499: 59%|██████| 95/160 [09:55<06:48, 6.28s/it]print_dice: 0.4853353798389435
, print_iou: 0.32042431831359863
8209 Epoch 44/499: 60%|██████| 96/160 [10:01<06:39, 6.24s/it]print_dice: 0.5645005106925964
, print_iou: 0.39324328303337097
8210 Epoch 44/499: 61%|██████| 97/160 [10:07<06:31, 6.21s/it]print_dice: 0.
47966891527175903, print_iou: 0.31550291180610657
8211 print_dice: 0.49108627438545227, print_iou: 0.325456827878952
8212 Epoch 44/499: 62%|██████| 99/160 [10:19<06:16, 6.17s/it]print_dice: 0.4739433526992798
, print_iou: 0.31056731939315796
8213 Epoch 44/499: 62%|██████| 100/160 [10:25<06:11, 6.19s/it]print_dice: 0.
5928974747657776, print_iou: 0.4213605225086212
8214 Epoch 44/499: 63%|██████| 101/160 [10:32<06:06, 6.21s/it]print_dice: 0.
5755854249000549, print_iou: 0.40408557653427124
8215 [100/160] eta: 0:06:15 time: 6.2243 data: 0.0005
8216 Epoch 44/499: 64%|██████| 102/160 [10:38<06:00, 6.22s/it]print_dice: 0.
5381923913955688, print_iou: 0.36816906929016113
8217 print_dice: 0.5455225110054016, print_iou: 0.3750642240047455
8218 Epoch 44/499: 65%|██████| 104/160 [10:50<05:46, 6.19s/it]print_dice: 0.
5148457288742065, print_iou: 0.34666141867637634
8219 print_dice: 0.516883373260498, print_iou: 0.34851160645484924
8220 Epoch 44/499: 66%|██████| 106/160 [11:02<05:33, 6.18s/it]print_dice: 0.
4701017439365387, print_iou: 0.3072764575481415
8221 print_dice: 0.5683379173278809, print_iou: 0.3969777226448059
8222 Epoch 44/499: 68%|██████| 108/160 [11:15<05:22, 6.20s/it]print_dice: 0.
5308245420455933, print_iou: 0.3613077998161316
8223 Epoch 44/499: 68%|██████| 109/160 [11:21<05:15, 6.19s/it]print_dice: 0.
6476747393608093, print_iou: 0.4789341688156128
8224 print_dice: 0.5503594875335693, print_iou: 0.3796524107456207
8225 Epoch 44/499: 69%|██████| 111/160 [11:34<05:09, 6.31s/it]print_dice: 0.
46709322929382324, print_iou: 0.3047107756137848
8226 print_dice: 0.5709129571914673, print_iou: 0.39949485659599304
8227 Epoch 44/499: 71%|██████| 113/160 [11:46<04:54, 6.27s/it]print_dice: 0.
43726280331611633, print_iou: 0.2798057198524475
8228 print_dice: 0.4902394115924835, print_iou: 0.3247133493423462
8229 Epoch 44/499: 72%|██████| 115/160 [11:59<04:40, 6.23s/it]print_dice: 0.
6243382096290588, print_iou: 0.45384567975997925
8230 print_dice: 0.44341474771499634, print_iou: 0.28486377000808716
8231 Epoch 44/499: 73%|██████| 117/160 [12:11<04:26, 6.20s/it]print_dice: 0.
5444672703742981, print_iou: 0.37406736612319946
8232 Epoch 44/499: 74%|██████| 118/160 [12:17<04:20, 6.21s/it]print_dice: 0.
6147657632827759, print_iou: 0.44379910826683044
8233 print_dice: 0.5585277676582336, print_iou: 0.3874703645706177
8234 Epoch 44/499: 75%|██████| 120/160 [12:30<04:07, 6.20s/it]print_dice: 0.
4788987636566162, print_iou: 0.31483688950538635
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8235 Epoch 44/499: 76%|██████████| 121/160 [12:36<04:02, 6.22s/it]print_dice: 0.
5423391461372375, print_iou: 0.37206125259399414
8236 Epoch 44/499: 76%|██████████| 122/160 [12:42<03:56, 6.22s/it]print_dice: 0.
48680976033210754, print_iou: 0.32171085476875305
8237 Epoch 44/499: 77%|██████████| 123/160 [12:48<03:49, 6.20s/it]print_dice: 0.
5412098169326782, print_iou: 0.3709990978240967
8238 print_dice: 0.4778757393360138, print_iou: 0.313953161239624
8239 Epoch 44/499: 78%|██████████| 125/160 [13:01<03:37, 6.20s/it]print_dice: 0.
47331511974334717, print_iou: 0.3100280463695526
8240 Epoch 44/499: 79%|██████████| 126/160 [13:07<03:31, 6.21s/it]print_dice: 0.
5395189523696899, print_iou: 0.369411826133728
8241 Epoch 44/499: 79%|██████████| 127/160 [13:13<03:23, 6.17s/it]print_dice: 0.
5977052450180054, print_iou: 0.4262336492538452
8242 Epoch 44/499: 80%|██████████| 128/160 [13:19<03:17, 6.18s/it]print_dice: 0.
5966202616691589, print_iou: 0.42513105273246765
8243 Epoch 44/499: 81%|██████████| 129/160 [13:26<03:12, 6.22s/it]print_dice: 0.
5264014601707458, print_iou: 0.357221782207489
8244 Epoch 44/499: 81%|██████████| 130/160 [13:32<03:05, 6.18s/it]print_dice: 0.
5566630959510803, print_iou: 0.38567787408828735
8245 print_dice: 0.5657540559768677, print_iou: 0.3944609761238098
8246 Epoch 44/499: 82%|██████████| 132/160 [13:44<02:52, 6.17s/it]print_dice: 0.
5481935143470764, print_iou: 0.3775940537452698
8247 Epoch 44/499: 83%|██████████| 133/160 [13:50<02:46, 6.15s/it]print_dice: 0.
4991413354873657, print_iou: 0.33257052302360535
8248 Epoch 44/499: 84%|██████████| 134/160 [13:56<02:39, 6.12s/it]print_dice: 0.
5116896629333496, print_iou: 0.34380578994750977
8249 Epoch 44/499: 84%|██████████| 135/160 [14:03<02:34, 6.20s/it]print_dice: 0.
46730268001556396, print_iou: 0.30488908290863037
8250 Epoch 44/499: 85%|██████████| 136/160 [14:09<02:27, 6.16s/it]print_dice: 0.
5727596879005432, print_iou: 0.4013057351112366
8251 print_dice: 0.505605936050415, print_iou: 0.3383350670337677
8252 Epoch 44/499: 86%|██████████| 138/160 [14:21<02:16, 6.19s/it]print_dice: 0.
45875418186187744, print_iou: 0.2976515293121338
8253 Epoch 44/499: 87%|██████████| 139/160 [14:27<02:09, 6.17s/it]print_dice: 0.
5163851976394653, print_iou: 0.348058819770813
8254 Epoch 44/499: 88%|██████████| 140/160 [14:33<02:03, 6.16s/it]print_dice: 0.
5101298689842224, print_iou: 0.34239891171455383
8255 print_dice: 0.5223681926727295, print_iou: 0.3535171449184418
8256 Epoch 44/499: 89%|██████████| 142/160 [14:46<01:51, 6.21s/it]print_dice: 0.507720410823822
, print_iou: 0.34023138880729675
8257 print_dice: 0.5043739080429077, print_iou: 0.3372326195240021
8258 Epoch 44/499: 90%|██████████| 144/160 [14:58<01:39, 6.20s/it]print_dice: 0.
6101891994476318, print_iou: 0.4390448033809662
8259 print_dice: 0.44891422986984253, print_iou: 0.28941935300827026
8260 Epoch 44/499: 91%|██████████| 146/160 [15:11<01:27, 6.24s/it]print_dice: 0.
5582711100578308, print_iou: 0.38722333312034607
8261 Epoch 44/499: 92%|██████████| 147/160 [15:17<01:21, 6.28s/it]print_dice: 0.
5437818765640259, print_iou: 0.3734205961227417
8262 Epoch 44/499: 92%|██████████| 148/160 [15:23<01:14, 6.24s/it]print_dice: 0.
48002898693084717, print_iou: 0.3158145546913147
8263 print_dice: 0.5591093897819519, print_iou: 0.38803040981292725
8264 Epoch 44/499: 94%|██████████| 150/160 [15:36<01:02, 6.20s/it]print_dice: 0.525971531867981
, print_iou: 0.35682588815689087
8265 print_dice: 0.5483379364013672, print_iou: 0.3777311146259308
8266 Epoch 44/499: 95%|██████████| 152/160 [15:48<00:49, 6.16s/it]print_dice: 0.
5437294244766235, print_iou: 0.3733711540699005
8267 Epoch 44/499: 96%|██████████| 153/160 [15:54<00:43, 6.20s/it]print_dice: 0.591841995716095
, print_iou: 0.4202951490879059
8268 Epoch 44/499: 96%|██████████| 154/160 [16:00<00:37, 6.18s/it]print_dice: 0.
5451414585113525, print_iou: 0.3747040927410126
8269 print_dice: 0.564548134803772, print_iou: 0.3932894766330719
8270 Epoch 44/499: 98%|██████████| 156/160 [16:13<00:24, 6.17s/it]print_dice: 0.
4664679169654846, print_iou: 0.30417877435684204
8271 print_dice: 0.5544294118881226, print_iou: 0.3835367262363434
8272 Epoch 44/499: 99%|██████████| 158/160 [16:25<00:12, 6.21s/it]print_dice: 0.
5437270402908325, print_iou: 0.37336891889572144
8273 Epoch 44/499: 99%|██████████| 159/160 [16:31<00:06, 6.15s/it]print_dice: 0.
5427918434143066, print_iou: 0.37248748540878296
8274 print_dice: 0.6028388738632202, print_iou: 0.43147411942481995

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8275 [159/160] eta: 0:00:06 time: 6.1969 data: 0.0004
8276 Epoch 44/499: 100%|██████████| 160/160 [16:38<00:00, 6.24s/it]
8277 Total time: 0:16:38 (6.2408 s / it)
8278 Averaged stats: training_loss: -77.9612 (-77.9612) loss_mask: -78.0616 (-78.0616)
      loss_dice: 0.1004 (0.1004)
8279 Net parameter norm: 1053.8402307970682
8280 Validating...
8281 Valid_dataloader len: 12
8282 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
      sigmoid values: tensor([1.6653e-04, 1.7366e-04, 1.7948e-04, ..., 1.0000e+00, 1.0000e+00,
8283      1.0000e+00], grad_fn=<Unique2Backward0>)
8284 8%|███████| 1/12 [00:08<01:36, 8.81s/it]print_dice: 0.5637277364730835, print_iou: 0.
      3924936354160309
8285 [ 0/12] eta: 0:01:45 time: 8.8063 data: 4.7411
8286 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([7.2552e-04, 7.
      4655e-04, 7.5390e-04, ..., 9.9999e-01, 9.9999e-01,
8287      9.9999e-01], grad_fn=<Unique2Backward0>)
8288 17%|███████| 2/12 [00:13<01:00, 6.10s/it]print_dice: 0.6115906238555908, print_iou: 0.
      4404973089694977
8289 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([4.5393e-04, 4.
      6228e-04, 4.7518e-04, ..., 9.9999e-01, 9.9999e-01,
8290      9.9999e-01], grad_fn=<Unique2Backward0>)
8291 print_dice: 0.5405885577201843, print_iou: 0.37041544914245605
8292 25%|███████| 3/12 [00:17<00:47, 5.29s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([2.2847e-04, 2.2975e-04, 2.3162e-04, ..., 1.0000e+00, 1.
      0000e+00,
8293      1.0000e+00], grad_fn=<Unique2Backward0>)
8294 33%|███████| 4/12 [00:21<00:38, 4.85s/it]print_dice: 0.5309571623802185, print_iou: 0.
      36143067479133606
8295 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2858e-04, 2.
      2989e-04, 2.3213e-04, ..., 1.0000e+00, 1.0000e+00,
8296      1.0000e+00], grad_fn=<Unique2Backward0>)
8297 print_dice: 0.5817146897315979, print_iou: 0.4101535379886627
8298 42%|███████| 5/12 [00:25<00:32, 4.60s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([1.2646e-04, 1.2780e-04, 1.2996e-04, ..., 1.0000e+00, 1.
      0000e+00,
8299      1.0000e+00], grad_fn=<Unique2Backward0>)
8300 50%|███████| 6/12 [00:29<00:26, 4.41s/it]print_dice: 0.515964686870575, print_iou: 0.
      3476768136024475
8301 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.8300e-04, 7.
      1884e-04, 7.2030e-04, ..., 9.9998e-01, 9.9998e-01,
8302      9.9998e-01], grad_fn=<Unique2Backward0>)
8303 58%|███████| 7/12 [00:33<00:21, 4.33s/it]print_dice: 0.44018879532814026, print_iou: 0
      .2822064459323883
8304 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2849e-04, 2.
      2971e-04, 2.3199e-04, ..., 1.0000e+00, 1.0000e+00,
8305      1.0000e+00], grad_fn=<Unique2Backward0>)
8306 print_dice: 0.55062335729599, print_iou: 0.3799035847187042
8307 67%|███████| 8/12 [00:38<00:17, 4.27s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([4.1376e-04, 4.3814e-04, 4.3823e-04, ..., 9.9999e-01, 9.
      9999e-01,
8308      9.9999e-01], grad_fn=<Unique2Backward0>)
8309 print_dice: 0.5679511427879333, print_iou: 0.3966003656387329
8310 75%|███████| 9/12 [00:42<00:12, 4.24s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([2.2843e-04, 2.2975e-04, 2.3200e-04, ..., 1.0000e+00, 1.
      0000e+00,
8311      1.0000e+00], grad_fn=<Unique2Backward0>)
8312 print_dice: 0.5803501009941101, print_iou: 0.4087980389595032
8313 83%|███████| 10/12 [00:46<00:08, 4.18s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
      ]) unique sigmoid values: tensor([2.2853e-04, 2.2981e-04, 2.3198e-04, ..., 1.0000e+00, 1.
      0000e+00,
8314      1.0000e+00], grad_fn=<Unique2Backward0>)
8315 92%|███████| 11/12 [00:50<00:04, 4.13s/it]print_dice: 0.6199839115142822, print_iou: 0
      .4492584466934204
8316 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2847e-04, 2.
      2976e-04, 2.3191e-04, ..., 1.0000e+00, 1.0000e+00,
8317      1.0000e+00], grad_fn=<Unique2Backward0>)
8318 100%|███████| 12/12 [00:54<00:00, 4.11s/it]print_dice: 0.5877602100372314, print_iou: 0
      .41619011759757996

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8319 [11/12] eta: 0:00:04 time: 4.5272 data: 0.3954
8320 Total time: 0:00:54 (4.5625 s / it)
8321 =====
8322 Averaged stats:
8323 100%|██████████| 12/12 [00:54<00:00, 4.56s/it]
8324 Epoch 45/499: 0%|          | 0/160 [00:00<?, ?it/s]epoch: 45 learning rate: 1e-08
8325 Epoch 45/499: 1%|          | 1/160 [00:10<28:02, 10.58s/it]print_dice: 0.6441556811332703
, print_iou: 0.47509557008743286
8326 [ 0/160] eta: 0:28:13 time: 10.5840 data: 4.1433
8327 print_dice: 0.5389086604118347, print_iou: 0.368839830160141
8328 Epoch 45/499: 2%||         | 3/160 [00:22<18:36, 7.11s/it]print_dice: 0.49579426646232605
, print_iou: 0.3296053409576416
8329 Epoch 45/499: 2%||         | 4/160 [00:28<17:28, 6.72s/it]print_dice: 0.5066366195678711
, print_iou: 0.33925876021385193
8330 Epoch 45/499: 3%||         | 5/160 [00:35<16:46, 6.49s/it]print_dice: 0.5322708487510681
, print_iou: 0.36264923214912415
8331 Epoch 45/499: 4%||         | 6/160 [00:41<16:19, 6.36s/it]print_dice: 0.5417210459709167
, print_iou: 0.37147974967956543
8332 Epoch 45/499: 4%||         | 7/160 [00:47<16:05, 6.31s/it]print_dice: 0.5721744298934937
, print_iou: 0.40073132514953613
8333 Epoch 45/499: 5%||         | 8/160 [00:53<16:01, 6.32s/it]print_dice: 0.5040338039398193
, print_iou: 0.3369286358356476
8334 Epoch 45/499: 6%||         | 9/160 [00:59<15:46, 6.27s/it]print_dice: 0.525993824005127
, print_iou: 0.356846421957016
8335 Epoch 45/499: 6%||         | 10/160 [01:05<15:32, 6.22s/it]print_dice: 0.5220463275909424
, print_iou: 0.35322239995002747
8336 Epoch 45/499: 7%||         | 11/160 [01:12<15:26, 6.22s/it]print_dice: 0.5691828727722168
, print_iou: 0.3978026509284973
8337 Epoch 45/499: 8%||         | 12/160 [01:18<15:19, 6.21s/it]print_dice: 0.5625995993614197
, print_iou: 0.3914007842540741
8338 print_dice: 0.5224840044975281, print_iou: 0.35362327098846436
8339 Epoch 45/499: 9%||         | 14/160 [01:30<15:00, 6.17s/it]print_dice: 0.534365177154541
, print_iou: 0.3645963966846466
8340 Epoch 45/499: 9%||         | 15/160 [01:36<14:56, 6.18s/it]print_dice: 0.
45817244052886963, print_iou: 0.29716193675994873
8341 print_dice: 0.5517134070396423, print_iou: 0.380942165851593
8342 Epoch 45/499: 11%||        | 17/160 [01:49<14:41, 6.16s/it]print_dice: 0.5269211530685425
, print_iou: 0.3577005863189697
8343 Epoch 45/499: 11%||        | 18/160 [01:55<14:34, 6.16s/it]print_dice: 0.5057328939437866
, print_iou: 0.33844879269599915
8344 Epoch 45/499: 12%||        | 19/160 [02:01<14:30, 6.18s/it]print_dice: 0.5481571555137634
, print_iou: 0.3775595724582672
8345 Epoch 45/499: 12%||        | 20/160 [02:07<14:28, 6.21s/it]print_dice: 0.5608761310577393
, print_iou: 0.3897344470024109
8346 Epoch 45/499: 13%||        | 21/160 [02:13<14:24, 6.22s/it]print_dice: 0.
49123990535736084, print_iou: 0.3255917727947235
8347 print_dice: 0.5697678327560425, print_iou: 0.3983743488788605
8348 Epoch 45/499: 14%||        | 23/160 [02:26<14:15, 6.25s/it]print_dice: 0.
47922250628471375, print_iou: 0.3151167929172516
8349 Epoch 45/499: 15%||        | 24/160 [02:32<14:06, 6.22s/it]print_dice: 0.5480300784111023
, print_iou: 0.3774389922618866
8350 Epoch 45/499: 16%||        | 25/160 [02:38<14:01, 6.23s/it]print_dice: 0.5376130938529968
, print_iou: 0.3676271140575409
8351 Epoch 45/499: 16%||        | 26/160 [02:45<13:54, 6.22s/it]print_dice: 0.518237292766571
, print_iou: 0.3497437834739685
8352 Epoch 45/499: 17%||        | 27/160 [02:51<13:44, 6.20s/it]print_dice: 0.5426681041717529
, print_iou: 0.37237098813056946
8353 print_dice: 0.5126751661300659, print_iou: 0.34469619393348694
8354 Epoch 45/499: 18%||        | 29/160 [03:03<13:34, 6.22s/it]print_dice: 0.5143471360206604
, print_iou: 0.34620949625968933
8355 Epoch 45/499: 19%||        | 30/160 [03:09<13:27, 6.21s/it]print_dice: 0.4638351798057556
, print_iou: 0.3019436299800873
8356 Epoch 45/499: 19%||        | 31/160 [03:16<13:22, 6.22s/it]print_dice: 0.5838395357131958
, print_iou: 0.41226932406425476
8357 Epoch 45/499: 20%||        | 32/160 [03:22<13:18, 6.24s/it]print_dice: 0.5838207006454468
, print_iou: 0.4122505486011505
8358 Epoch 45/499: 21%||        | 33/160 [03:28<13:07, 6.20s/it]print_dice: 0.4910914897918701
, print_iou: 0.32546138763427734
8359 Epoch 45/499: 21%||        | 34/160 [03:34<12:59, 6.18s/it]print_dice: 0.6017018556594849

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8359 , print_iou: 0.43031013011932373
8360 print_dice: 0.4673454463481903, print_iou: 0.30492550134658813
8361 Epoch 45/499: 22%|██████| 36/160 [03:46<12:43, 6.16s/it]print_dice: 0.5367854237556458
, print_iou: 0.3668535053730011
8362 Epoch 45/499: 23%|██████| 37/160 [03:53<12:36, 6.15s/it]print_dice: 0.5354503393173218
, print_iou: 0.36560750007629395
8363 print_dice: 0.5851070880889893, print_iou: 0.4135345220565796
8364 Epoch 45/499: 24%|██████| 39/160 [04:05<12:36, 6.25s/it]print_dice: 0.
45212405920028687, print_iou: 0.2920932173728943
8365 Epoch 45/499: 25%|██████| 40/160 [04:11<12:28, 6.24s/it]print_dice: 0.5403214693069458
, print_iou: 0.370164692401886
8366 Epoch 45/499: 26%|██████| 41/160 [04:18<12:18, 6.21s/it]print_dice: 0.6048330068588257
, print_iou: 0.4335201680660248
8367 Epoch 45/499: 26%|██████| 42/160 [04:24<12:11, 6.20s/it]print_dice: 0.4951169490814209
, print_iou: 0.32900694012641907
8368 Epoch 45/499: 27%|██████| 43/160 [04:30<12:09, 6.23s/it]print_dice: 0.5686244368553162
, print_iou: 0.3972572982311249
8369 Epoch 45/499: 28%|██████| 44/160 [04:36<12:01, 6.22s/it]print_dice: 0.5635500550270081
, print_iou: 0.3923214077949524
8370 Epoch 45/499: 28%|██████| 45/160 [04:43<11:56, 6.23s/it]print_dice: 0.5584331154823303
, print_iou: 0.3873792886734009
8371 Epoch 45/499: 29%|██████| 46/160 [04:49<11:47, 6.20s/it]print_dice: 0.4802263379096985
, print_iou: 0.31598544120788574
8372 Epoch 45/499: 29%|██████| 47/160 [04:55<11:45, 6.24s/it]print_dice: 0.5057665109634399
, print_iou: 0.3384788930416107
8373 Epoch 45/499: 30%|██████| 48/160 [05:01<11:37, 6.23s/it]print_dice: 0.5199548602104187
, print_iou: 0.351310133934021
8374 Epoch 45/499: 31%|██████| 49/160 [05:07<11:30, 6.22s/it]print_dice: 0.5486258268356323
, print_iou: 0.37800437211990356
8375 Epoch 45/499: 31%|██████| 50/160 [05:14<11:25, 6.23s/it]print_dice: 0.6007673144340515
, print_iou: 0.42935484647750854
8376 print_dice: 0.5477674603462219, print_iou: 0.3771899342536926
8377 Epoch 45/499: 32%|██████| 52/160 [05:26<11:09, 6.20s/it]print_dice: 0.5129638910293579
, print_iou: 0.34495726227760315
8378 Epoch 45/499: 33%|██████| 53/160 [05:32<11:05, 6.22s/it]print_dice: 0.485964834690094
, print_iou: 0.32097327709198
8379 print_dice: 0.5066479444503784, print_iou: 0.33926892280578613
8380 Epoch 45/499: 34%|██████| 55/160 [05:45<10:50, 6.19s/it]print_dice: 0.6188237071037292
, print_iou: 0.44804108142852783
8381 Epoch 45/499: 35%|██████| 56/160 [05:51<10:42, 6.18s/it]print_dice: 0.5424221754074097
, print_iou: 0.37213942408561707
8382 Epoch 45/499: 36%|██████| 57/160 [05:57<10:38, 6.20s/it]print_dice: 0.4419718384742737
, print_iou: 0.28367382287979126
8383 Epoch 45/499: 36%|██████| 58/160 [06:03<10:30, 6.18s/it]print_dice: 0.
43131333589553833, print_iou: 0.27495187520980835
8384 Epoch 45/499: 37%|██████| 59/160 [06:09<10:25, 6.20s/it]print_dice: 0.5899416208267212
, print_iou: 0.4183809757232666
8385 Epoch 45/499: 38%|██████| 60/160 [06:16<10:18, 6.18s/it]print_dice: 0.565863311290741
, print_iou: 0.39456722140312195
8386 print_dice: 0.48030996322631836, print_iou: 0.31605783104896545
8387 Epoch 45/499: 39%|██████| 62/160 [06:28<10:00, 6.13s/it]print_dice: 0.5695081949234009
, print_iou: 0.3981205224990845
8388 Epoch 45/499: 39%|██████| 63/160 [06:34<10:00, 6.19s/it]print_dice: 0.5200897455215454
, print_iou: 0.35143327713012695
8389 Epoch 45/499: 40%|██████| 64/160 [06:40<09:55, 6.20s/it]print_dice: 0.59052574634552
, print_iou: 0.4189687967300415
8390 Epoch 45/499: 41%|██████| 65/160 [06:47<09:50, 6.21s/it]print_dice: 0.4591611921787262
, print_iou: 0.2979942858219147
8391 Epoch 45/499: 41%|██████| 66/160 [06:53<09:45, 6.23s/it]print_dice: 0.5204004049301147
, print_iou: 0.3517170548439026
8392 Epoch 45/499: 42%|██████| 67/160 [06:59<09:34, 6.18s/it]print_dice: 0.5540875792503357
, print_iou: 0.38320961594581604
8393 Epoch 45/499: 42%|██████| 68/160 [07:05<09:28, 6.18s/it]print_dice: 0.5987664461135864
, print_iou: 0.42731380462646484
8394 Epoch 45/499: 43%|██████| 69/160 [07:11<09:24, 6.20s/it]print_dice: 0.5499269366264343
, print_iou: 0.37924087047576904
8395 Epoch 45/499: 44%|██████| 70/160 [07:17<09:18, 6.20s/it]print_dice: 0.5630247592926025
, print_iou: 0.39181244373321533
8396 print_dice: 0.5042736530303955, print_iou: 0.3371429741382599

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8397 Epoch 45/499: 45%|██████| 72/160 [07:30<09:02, 6.17s/it]print_dice: 0.4183320999145508
, print_iou: 0.26448795199394226
8398 Epoch 45/499: 46%|██████| 73/160 [07:36<08:55, 6.16s/it]print_dice: 0.555719792842865
, print_iou: 0.38477280735969543
8399 Epoch 45/499: 46%|██████| 74/160 [07:42<08:50, 6.17s/it]print_dice: 0.5741848945617676
, print_iou: 0.40270641446113586
8400 Epoch 45/499: 47%|██████| 75/160 [07:48<08:44, 6.17s/it]print_dice: 0.5663304328918457
, print_iou: 0.39502158761024475
8401 print_dice: 0.5256989002227783, print_iou: 0.35657501220703125
8402 Epoch 45/499: 48%|██████| 77/160 [08:01<08:35, 6.21s/it]print_dice: 0.
49172717332839966, print_iou: 0.3260200619697571
8403 Epoch 45/499: 49%|██████| 78/160 [08:07<08:26, 6.18s/it]print_dice: 0.4689118266105652
, print_iou: 0.30626049637794495
8404 Epoch 45/499: 49%|██████| 79/160 [08:13<08:22, 6.20s/it]print_dice: 0.6085406541824341
, print_iou: 0.4373398423194885
8405 print_dice: 0.4743196964263916, print_iou: 0.3108906149864197
8406 Epoch 45/499: 51%|██████| 81/160 [08:25<08:09, 6.19s/it]print_dice: 0.
48481449484825134, print_iou: 0.31997036933898926
8407 Epoch 45/499: 51%|██████| 82/160 [08:32<08:05, 6.22s/it]print_dice: 0.5586159229278564
, print_iou: 0.38755521178245544
8408 Epoch 45/499: 52%|██████| 83/160 [08:38<08:07, 6.34s/it]print_dice: 0.5866298079490662
, print_iou: 0.4150574207305908
8409 Epoch 45/499: 52%|██████| 84/160 [08:45<08:00, 6.32s/it]print_dice: 0.500629186630249
, print_iou: 0.3338928520679474
8410 Epoch 45/499: 53%|██████| 85/160 [08:51<07:50, 6.28s/it]print_dice: 0.5493724346160889
, print_iou: 0.3787136673927307
8411 Epoch 45/499: 54%|██████| 86/160 [08:57<07:43, 6.26s/it]print_dice: 0.5654842853546143
, print_iou: 0.3941987156867981
8412 Epoch 45/499: 54%|██████| 87/160 [09:03<07:38, 6.29s/it]print_dice: 0.5169805288314819
, print_iou: 0.34859994053840637
8413 Epoch 45/499: 55%|██████| 88/160 [09:10<07:33, 6.30s/it]print_dice: 0.5869806408882141
, print_iou: 0.41540879011154175
8414 Epoch 45/499: 56%|██████| 89/160 [09:16<07:24, 6.26s/it]print_dice: 0.5035908818244934
, print_iou: 0.3365328907966614
8415 Epoch 45/499: 56%|██████| 90/160 [09:22<07:15, 6.21s/it]print_dice: 0.5195178985595703
, print_iou: 0.35091131925582886
8416 print_dice: 0.5885179042816162, print_iou: 0.4169503450393677
8417 Epoch 45/499: 57%|██████| 92/160 [09:34<07:03, 6.23s/it]print_dice: 0.5039250254631042
, print_iou: 0.33683136105537415
8418 print_dice: 0.4461047649383545, print_iou: 0.2870880663394928
8419 Epoch 45/499: 59%|██████| 94/160 [09:47<06:52, 6.25s/it]print_dice: 0.5376102924346924
, print_iou: 0.3676244914531708
8420 Epoch 45/499: 59%|██████| 95/160 [09:53<06:49, 6.30s/it]print_dice: 0.5489442348480225
, print_iou: 0.3783068060874939
8421 print_dice: 0.47684141993522644, print_iou: 0.3130609393119812
8422 Epoch 45/499: 61%|██████| 97/160 [10:06<06:29, 6.18s/it]print_dice: 0.541374921798706
, print_iou: 0.3711542785167694
8423 Epoch 45/499: 61%|██████| 98/160 [10:12<06:21, 6.16s/it]print_dice: 0.5001643300056458
, print_iou: 0.3334794342517853
8424 Epoch 45/499: 62%|██████| 99/160 [10:18<06:17, 6.18s/it]print_dice: 0.5889641046524048
, print_iou: 0.4173984229564667
8425 Epoch 45/499: 62%|██████| 100/160 [10:24<06:13, 6.22s/it]print_dice: 0.600358247756958
, print_iou: 0.42893704771995544
8426 Epoch 45/499: 63%|██████| 101/160 [10:31<06:08, 6.25s/it]print_dice: 0.
5317493081092834, print_iou: 0.3621651828289032
8427 [100/160] eta: 0:06:14 time: 6.2536 data: 0.0003
8428 Epoch 45/499: 64%|██████| 102/160 [10:37<06:00, 6.21s/it]print_dice: 0.497873991727829
, print_iou: 0.33144623041152954
8429 Epoch 45/499: 64%|██████| 103/160 [10:43<05:55, 6.23s/it]print_dice: 0.
49215513467788696, print_iou: 0.3263963758945465
8430 Epoch 45/499: 65%|██████| 104/160 [10:49<05:48, 6.22s/it]print_dice: 0.
5569312572479248, print_iou: 0.38593536615371704
8431 print_dice: 0.6108726859092712, print_iou: 0.43975281715393066
8432 Epoch 45/499: 66%|██████| 106/160 [11:02<05:36, 6.24s/it]print_dice: 0.451749324798584
, print_iou: 0.2917804718017578
8433 Epoch 45/499: 67%|██████| 107/160 [11:08<05:29, 6.22s/it]print_dice: 0.
5166148543357849, print_iou: 0.34826749563217163
8434 Epoch 45/499: 68%|██████| 108/160 [11:14<05:23, 6.22s/it]print_dice: 0.
5135977268218994, print_iou: 0.34553077816963196

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8435 Epoch 45/499: 68%|███████| 109/160 [11:20<05:15, 6.19s/it]print_dice: 0.
5959959030151367, print_iou: 0.4244972765445709
8436 Epoch 45/499: 69%|███████| 110/160 [11:26<05:08, 6.17s/it]print_dice: 0.
49743708968162537, print_iou: 0.331059068441391
8437 Epoch 45/499: 69%|███████| 111/160 [11:33<05:04, 6.21s/it]print_dice: 0.
5929792523384094, print_iou: 0.4214431643486023
8438 Epoch 45/499: 70%|███████| 112/160 [11:39<04:56, 6.17s/it]print_dice: 0.
5589579939842224, print_iou: 0.38788455724716187
8439 Epoch 45/499: 71%|███████| 113/160 [11:45<04:49, 6.16s/it]print_dice: 0.
5979481935501099, print_iou: 0.42648079991340637
8440 Epoch 45/499: 71%|███████| 114/160 [11:51<04:44, 6.18s/it]print_dice: 0.
5693444013595581, print_iou: 0.39796045422554016
8441 Epoch 45/499: 72%|███████| 115/160 [11:57<04:37, 6.16s/it]print_dice: 0.
5490894913673401, print_iou: 0.37844476103782654
8442 print_dice: 0.49014025926589966, print_iou: 0.3246263563632965
8443 Epoch 45/499: 73%|███████| 117/160 [12:10<04:26, 6.20s/it]print_dice: 0.
5153936743736267, print_iou: 0.3471584916114807
8444 Epoch 45/499: 74%|███████| 118/160 [12:16<04:21, 6.23s/it]print_dice: 0.
6160250902175903, print_iou: 0.4451128840446472
8445 Epoch 45/499: 74%|███████| 119/160 [12:22<04:14, 6.21s/it]print_dice: 0.
47718966007232666, print_iou: 0.31336116790771484
8446 Epoch 45/499: 75%|███████| 120/160 [12:28<04:07, 6.20s/it]print_dice: 0.546981930732727
, print_iou: 0.37644535303115845
8447 Epoch 45/499: 76%|███████| 121/160 [12:34<04:01, 6.18s/it]print_dice: 0.
5456098318099976, print_iou: 0.3751468062400818
8448 Epoch 45/499: 76%|███████| 122/160 [12:41<03:56, 6.22s/it]print_dice: 0.
5315037965774536, print_iou: 0.3619374930858612
8449 Epoch 45/499: 77%|███████| 123/160 [12:47<03:48, 6.18s/it]print_dice: 0.
5079874992370605, print_iou: 0.3404713273048401
8450 Epoch 45/499: 78%|███████| 124/160 [12:53<03:42, 6.18s/it]print_dice: 0.
5049428939819336, print_iou: 0.33774155378341675
8451 Epoch 45/499: 78%|███████| 125/160 [12:59<03:36, 6.19s/it]print_dice: 0.
5134039521217346, print_iou: 0.345355361700058
8452 print_dice: 0.5668227076530457, print_iou: 0.3955007791519165
8453 Epoch 45/499: 79%|███████| 127/160 [13:11<03:23, 6.16s/it]print_dice: 0.
5341655015945435, print_iou: 0.36441051959991455
8454 Epoch 45/499: 80%|███████| 128/160 [13:18<03:17, 6.17s/it]print_dice: 0.
5336313843727112, print_iou: 0.36391350626945496
8455 Epoch 45/499: 81%|███████| 129/160 [13:24<03:11, 6.18s/it]print_dice: 0.
5175263285636902, print_iou: 0.3490964472293854
8456 Epoch 45/499: 81%|███████| 130/160 [13:30<03:05, 6.17s/it]print_dice: 0.
6192394495010376, print_iou: 0.4484770596027374
8457 Epoch 45/499: 82%|███████| 131/160 [13:36<02:59, 6.18s/it]print_dice: 0.528974175453186
, print_iou: 0.3595954477787018
8458 Epoch 45/499: 82%|███████| 132/160 [13:42<02:52, 6.17s/it]print_dice: 0.
5197471380233765, print_iou: 0.3511205017566681
8459 Epoch 45/499: 83%|███████| 133/160 [13:49<02:47, 6.21s/it]print_dice: 0.
47399649024009705, print_iou: 0.3106129765510559
8460 Epoch 45/499: 84%|███████| 134/160 [13:55<02:41, 6.20s/it]print_dice: 0.
5300437211990356, print_iou: 0.36058464646339417
8461 Epoch 45/499: 84%|███████| 135/160 [14:01<02:37, 6.28s/it]print_dice: 0.
5614539980888367, print_iou: 0.3902927041053772
8462 Epoch 45/499: 85%|███████| 136/160 [14:08<02:31, 6.31s/it]print_dice: 0.
5130355954170227, print_iou: 0.3450221121311188
8463 Epoch 45/499: 86%|███████| 137/160 [14:14<02:24, 6.28s/it]print_dice: 0.
4872344136238098, print_iou: 0.32208189368247986
8464 print_dice: 0.5445987582206726, print_iou: 0.3741914927959442
8465 Epoch 45/499: 87%|███████| 139/160 [14:26<02:10, 6.22s/it]print_dice: 0.
4668887257575989, print_iou: 0.30453675985336304
8466 Epoch 45/499: 88%|███████| 140/160 [14:32<02:03, 6.18s/it]print_dice: 0.622552752494812
, print_iou: 0.4519612491130829
8467 Epoch 45/499: 88%|███████| 141/160 [14:38<01:57, 6.18s/it]print_dice: 0.
4221833348274231, print_iou: 0.26757439970970154
8468 Epoch 45/499: 89%|███████| 142/160 [14:45<01:51, 6.20s/it]print_dice: 0.
5412454009056091, print_iou: 0.3710325062274933
8469 print_dice: 0.5364989042282104, print_iou: 0.366585910320282
8470 Epoch 45/499: 90%|███████| 144/160 [14:57<01:38, 6.18s/it]print_dice: 0.
47042223811149597, print_iou: 0.3075504004955292
8471 print_dice: 0.5408510565757751, print_iou: 0.37066197395324707

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8472 Epoch 45/499: 91%|██████████| 146/160 [15:10<01:27, 6.22s/it]print_dice: 0.
44635239243507385, print_iou: 0.2872931957244873
8473 Epoch 45/499: 92%|██████████| 147/160 [15:16<01:21, 6.24s/it]print_dice: 0.
5429076552391052, print_iou: 0.3725965917110443
8474 Epoch 45/499: 92%|██████████| 148/160 [15:22<01:14, 6.20s/it]print_dice: 0.
5034707188606262, print_iou: 0.3364255428314209
8475 Epoch 45/499: 93%|██████████| 149/160 [15:28<01:07, 6.18s/it]print_dice: 0.
4350617527961731, print_iou: 0.2780056893825531
8476 Epoch 45/499: 94%|██████████| 150/160 [15:34<01:01, 6.17s/it]print_dice: 0.
5527020692825317, print_iou: 0.38188546895980835
8477 print_dice: 0.5163576006889343, print_iou: 0.34803372621536255
8478 Epoch 45/499: 95%|██████████| 152/160 [15:47<00:49, 6.16s/it]print_dice: 0.
47565266489982605, print_iou: 0.31203693151474
8479 print_dice: 0.4487631916999817, print_iou: 0.2892937958240509
8480 Epoch 45/499: 96%|██████████| 154/160 [15:59<00:37, 6.20s/it]print_dice: 0.
5070602893829346, print_iou: 0.3396387994289398
8481 Epoch 45/499: 97%|██████████| 155/160 [16:05<00:31, 6.24s/it]print_dice: 0.
5554074048995972, print_iou: 0.38447335362434387
8482 Epoch 45/499: 98%|██████████| 156/160 [16:12<00:25, 6.29s/it]print_dice: 0.
5268148183822632, print_iou: 0.357602596282959
8483 Epoch 45/499: 98%|██████████| 157/160 [16:18<00:18, 6.24s/it]print_dice: 0.
5661221146583557, print_iou: 0.39481890201568604
8484 print_dice: 0.4896204471588135, print_iou: 0.32417047023773193
8485 Epoch 45/499: 99%|██████████| 159/160 [16:30<00:06, 6.18s/it]print_dice: 0.
5301241874694824, print_iou: 0.3606591522693634
8486 Epoch 45/499: 100%|██████████| 160/160 [16:36<00:00, 6.15s/it]print_dice: 0.
5766675472259521, print_iou: 0.4051530659198761
8487 [159/160] eta: 0:00:06 time: 6.1964 data: 0.0005
8488 Epoch 45/499: 100%|██████████| 160/160 [16:37<00:00, 6.23s/it]
8489 Total time: 0:16:37 (6.2347 s / it)
8490 Averaged stats: training_loss: -473.8767 (-473.8767) loss_mask: -473.8719 (-473.8719)
loss_dice: -0.0048 (-0.0048)
8491 Net parameter norm: 1053.8402497037314
8492 Validating...
8493 Valid_data_loader len: 12
8494 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
sigmoid values: tensor([2.2875e-04, 2.2911e-04, 2.3164e-04, ..., 1.0000e+00, 1.0000e+00,
8495 1.0000e+00], grad_fn=<Unique2Backward0>)
8496 print_dice: 0.5644626617431641, print_iou: 0.39320653676986694
8497 [ 0/12] eta: 0:01:46 time: 8.8684 data: 4.7282
8498 8%|██████████| 1/12 [00:08<01:37, 8.87s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([1.8988e-04, 1.9857e-04, 1.9862e-04, ..., 1.0000e+00, 1.
0000e+00,
8499 1.0000e+00], grad_fn=<Unique2Backward0>)
8500 17%|██████████| 2/12 [00:13<01:00, 6.09s/it]print_dice: 0.6130307912826538, print_iou: 0.
4419930577278137
8501 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2874e-04, 2.
2907e-04, 2.3168e-04, ..., 1.0000e+00, 1.0000e+00,
8502 1.0000e+00], grad_fn=<Unique2Backward0>)
8503 25%|██████████| 3/12 [00:17<00:47, 5.27s/it]print_dice: 0.539176344871521, print_iou: 0.
36909064650535583
8504 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.4201e-04, 5.
6413e-04, 5.7922e-04, ..., 9.9999e-01, 9.9999e-01,
8505 9.9999e-01], grad_fn=<Unique2Backward0>)
8506 print_dice: 0.5268858075141907, print_iou: 0.3576680123806
8507 33%|██████████| 4/12 [00:21<00:38, 4.86s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([3.7708e-04, 3.8356e-04, 4.0318e-04, ..., 9.9999e-01, 9.
9999e-01,
8508 9.9999e-01], grad_fn=<Unique2Backward0>)
8509 print_dice: 0.5821297764778137, print_iou: 0.4105663299560547
8510 42%|██████████| 5/12 [00:25<00:32, 4.62s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.2880e-04, 2.2911e-04, 2.3171e-04, ..., 1.0000e+00, 1.
0000e+00,
8511 1.0000e+00], grad_fn=<Unique2Backward0>)
8512 50%|██████████| 6/12 [00:29<00:26, 4.45s/it]print_dice: 0.5129249095916748, print_iou: 0.
3449220061302185
8513 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2876e-04, 2.
2905e-04, 2.3167e-04, ..., 1.0000e+00, 1.0000e+00,
8514 1.0000e+00], grad_fn=<Unique2Backward0>)

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8515 print_dice: 0.4448182284832001, print_iou: 0.2860233187675476
8516 58%|███████ | 7/12 [00:34<00:21, 4.36s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
] unique sigmoid values: tensor([2.2878e-04, 2.2904e-04, 2.3161e-04, ..., 1.0000e+00, 1.
0000e+00,
8517 1.0000e+00], grad_fn=<Unique2Backward0>)
8518 67%|███████ | 8/12 [00:38<00:17, 4.28s/it]print_dice: 0.5511358976364136, print_iou: 0.
3803917467594147
8519 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.9172e-04, 1.
9522e-04, 1.9583e-04, ..., 1.0000e+00, 1.0000e+00,
8520 1.0000e+00], grad_fn=<Unique2Backward0>)
8521 75%|███████ | 9/12 [00:42<00:12, 4.25s/it]print_dice: 0.5709590911865234, print_iou: 0.
3995400667190552
8522 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2872e-04, 2.
2907e-04, 2.3162e-04, ..., 1.0000e+00, 1.0000e+00,
8523 1.0000e+00], grad_fn=<Unique2Backward0>)
8524 83%|███████ | 10/12 [00:46<00:08, 4.19s/it]print_dice: 0.5811975598335266, print_iou: 0
.40963950753211975
8525 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.4412e-04, 1.
4564e-04, 1.4815e-04, ..., 1.0000e+00, 1.0000e+00,
8526 1.0000e+00], grad_fn=<Unique2Backward0>)
8527 92%|███████ | 11/12 [00:50<00:04, 4.13s/it]print_dice: 0.619715690612793, print_iou: 0.
44897687435150146
8528 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.8703e-04, 5.
8858e-04, 6.0342e-04, ..., 9.9999e-01, 9.9999e-01,
8529 9.9999e-01], grad_fn=<Unique2Backward0>)
8530 100%|███████ | 12/12 [00:54<00:00, 4.09s/it]print_dice: 0.5849696397781372, print_iou: 0
.4133972227573395
8531 [11/12] eta: 0:00:04 time: 4.5297 data: 0.3945
8532 100%|███████ | 12/12 [00:54<00:00, 4.57s/it]
8533 Total time: 0:00:54 (4.5675 s / it)
8534 =====
8535 Averaged stats:
8536 epoch: 46 learning rate: 1e-08
8537 Epoch 46/499: 1%| | 1/160 [00:10<27:35, 10.41s/it]print_dice: 0.510460615158081
, print_iou: 0.3426969349384308
8538 [ 0/160] eta: 0:27:45 time: 10.4107 data: 4.0589
8539 Epoch 46/499: 1%|| | 2/160 [00:16<20:56, 7.96s/it]print_dice: 0.42400023341178894
, print_iou: 0.2690357267856598
8540 Epoch 46/499: 2%|| | 3/160 [00:22<18:44, 7.17s/it]print_dice: 0.5729510188102722
, print_iou: 0.4014936089515686
8541 Epoch 46/499: 2%|| | 4/160 [00:29<17:45, 6.83s/it]print_dice: 0.5786469578742981
, print_iou: 0.40710997581481934
8542 print_dice: 0.5644954442977905, print_iou: 0.3932383358478546
8543 Epoch 46/499: 4%|| | 6/160 [00:41<16:38, 6.48s/it]print_dice: 0.5681889653205872
, print_iou: 0.3968323767185211
8544 Epoch 46/499: 4%|| | 7/160 [00:48<16:24, 6.44s/it]print_dice: 0.450287789106369
, print_iou: 0.2905622124671936
8545 Epoch 46/499: 5%|| | 8/160 [00:54<16:04, 6.34s/it]print_dice: 0.5555680990219116
, print_iou: 0.38462740182876587
8546 Epoch 46/499: 6%|| | 9/160 [01:00<15:51, 6.30s/it]print_dice: 0.5368935465812683
, print_iou: 0.366954505443573
8547 Epoch 46/499: 6%|| | 10/160 [01:06<15:38, 6.25s/it]print_dice: 0.5144788026809692
, print_iou: 0.34632882475852966
8548 print_dice: 0.48647165298461914, print_iou: 0.32141563296318054
8549 Epoch 46/499: 8%|| | 12/160 [01:19<15:27, 6.27s/it]print_dice: 0.5741642713546753
, print_iou: 0.40268611907958984
8550 Epoch 46/499: 8%|| | 13/160 [01:25<15:19, 6.25s/it]print_dice: 0.5418802499771118
, print_iou: 0.3716294467449188
8551 Epoch 46/499: 9%|| | 14/160 [01:31<15:16, 6.28s/it]print_dice: 0.6083699464797974
, print_iou: 0.4371635913848877
8552 Epoch 46/499: 9%|| | 15/160 [01:37<15:03, 6.23s/it]print_dice: 0.5164373517036438
, print_iou: 0.34810617566108704
8553 Epoch 46/499: 10%|| | 16/160 [01:43<14:57, 6.23s/it]print_dice: 0.
46357715129852295, print_iou: 0.30172497034072876
8554 Epoch 46/499: 11%|| | 17/160 [01:50<14:48, 6.21s/it]print_dice: 0.5025016069412231
, print_iou: 0.33556070923805237
8555 print_dice: 0.6023523807525635, print_iou: 0.4309758245944977
8556 Epoch 46/499: 12%|| | 19/160 [02:02<14:32, 6.19s/it]print_dice: 0.5262494087219238
, print_iou: 0.35708174109458923

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8557 Epoch 46/499: 12%|██████| 20/160 [02:08<14:27, 6.20s/it]print_dice: 0.
    47511547803878784, print_iou: 0.3115747272968292
8558 print_dice: 0.5529336333274841, print_iou: 0.38210663199424744
8559 Epoch 46/499: 14%|██████| 22/160 [02:21<14:21, 6.25s/it]print_dice: 0.5484625697135925
    , print_iou: 0.37784940004348755
8560 Epoch 46/499: 14%|██████| 23/160 [02:27<14:13, 6.23s/it]print_dice: 0.5513184070587158
    , print_iou: 0.3805656135082245
8561 Epoch 46/499: 15%|██████| 24/160 [02:33<14:00, 6.18s/it]print_dice: 0.5418842434883118
    , print_iou: 0.37163323163986206
8562 print_dice: 0.5157551765441895, print_iou: 0.34748661518096924
8563 Epoch 46/499: 16%|██████| 26/160 [02:45<13:47, 6.17s/it]print_dice: 0.5075488686561584
    , print_iou: 0.34007740020751953
8564 print_dice: 0.539439857006073, print_iou: 0.36933764815330505
8565 Epoch 46/499: 18%|██████| 28/160 [02:58<13:36, 6.19s/it]print_dice: 0.6108221411705017
    , print_iou: 0.4397004246711731
8566 Epoch 46/499: 18%|██████| 29/160 [03:04<13:32, 6.20s/it]print_dice: 0.5890794992446899
    , print_iou: 0.41751429438591003
8567 Epoch 46/499: 19%|██████| 30/160 [03:10<13:32, 6.25s/it]print_dice: 0.5432991981506348
    , print_iou: 0.3729655146598816
8568 Epoch 46/499: 19%|██████| 31/160 [03:17<13:28, 6.27s/it]print_dice: 0.5414553284645081
    , print_iou: 0.3712298572063446
8569 print_dice: 0.5078082084655762, print_iou: 0.34031030535697937
8570 Epoch 46/499: 21%|██████| 33/160 [03:29<13:05, 6.19s/it]print_dice: 0.4912782609462738
    , print_iou: 0.325625479221344
8571 print_dice: 0.5299322009086609, print_iou: 0.36048147082328796
8572 Epoch 46/499: 22%|██████| 35/160 [03:42<13:05, 6.28s/it]print_dice: 0.4936806261539459
    , print_iou: 0.3277396857738495
8573 print_dice: 0.46695637702941895, print_iou: 0.30459433794021606
8574 Epoch 46/499: 23%|██████| 37/160 [03:54<12:44, 6.21s/it]print_dice: 0.5306647419929504
    , print_iou: 0.3611597418785095
8575 Epoch 46/499: 24%|██████| 38/160 [04:00<12:40, 6.23s/it]print_dice: 0.5086669325828552
    , print_iou: 0.34108206629753113
8576 Epoch 46/499: 24%|██████| 39/160 [04:06<12:32, 6.22s/it]print_dice: 0.5058897733688354
    , print_iou: 0.3385893404483795
8577 print_dice: 0.5326987504959106, print_iou: 0.3630466163158417
8578 Epoch 46/499: 26%|██████| 41/160 [04:19<12:24, 6.26s/it]print_dice: 0.5057978630065918
    , print_iou: 0.3385069966316223
8579 Epoch 46/499: 26%|██████| 42/160 [04:25<12:15, 6.23s/it]print_dice: 0.5649668574333191
    , print_iou: 0.3936960697174072
8580 print_dice: 0.6190809607505798, print_iou: 0.44831085205078125
8581 Epoch 46/499: 28%|██████| 44/160 [04:37<11:55, 6.16s/it]print_dice: 0.5047393441200256
    , print_iou: 0.33755943179130554
8582 print_dice: 0.5282020568847656, print_iou: 0.35888218879699707
8583 Epoch 46/499: 29%|██████| 46/160 [04:50<11:51, 6.24s/it]print_dice: 0.5833345651626587
    , print_iou: 0.4117659330368042
8584 Epoch 46/499: 29%|██████| 47/160 [04:56<11:45, 6.24s/it]print_dice: 0.5300551056861877
    , print_iou: 0.3605951964855194
8585 Epoch 46/499: 30%|██████| 48/160 [05:03<11:40, 6.26s/it]print_dice: 0.5701743364334106
    , print_iou: 0.3987719416618347
8586 Epoch 46/499: 31%|██████| 49/160 [05:09<11:31, 6.23s/it]print_dice: 0.5412891507148743
    , print_iou: 0.3710736632347107
8587 print_dice: 0.5510839819908142, print_iou: 0.3803422451019287
8588 Epoch 46/499: 32%|██████| 51/160 [05:21<11:20, 6.25s/it]print_dice: 0.588941216468811
    , print_iou: 0.4173754155635834
8589 Epoch 46/499: 32%|██████| 52/160 [05:27<11:17, 6.27s/it]print_dice: 0.559101402759552
    , print_iou: 0.38802269101142883
8590 Epoch 46/499: 33%|██████| 53/160 [05:34<11:08, 6.25s/it]print_dice: 0.5056403279304504
    , print_iou: 0.33836591243743896
8591 Epoch 46/499: 34%|██████| 54/160 [05:40<10:59, 6.22s/it]print_dice: 0.5420623421669006
    , print_iou: 0.3718007504940033
8592 Epoch 46/499: 34%|██████| 55/160 [05:46<10:53, 6.22s/it]print_dice: 0.5465087294578552
    , print_iou: 0.37599724531173706
8593 print_dice: 0.5188723206520081, print_iou: 0.3503224849700928
8594 Epoch 46/499: 36%|██████| 57/160 [05:59<10:42, 6.24s/it]print_dice: 0.4455646574497223
    , print_iou: 0.28664085268974304
8595 print_dice: 0.5260062217712402, print_iou: 0.3568578362464905
8596 Epoch 46/499: 37%|██████| 59/160 [06:11<10:27, 6.21s/it]print_dice: 0.5840228796005249
    , print_iou: 0.41245219111442566
8597 print_dice: 0.5392744541168213, print_iou: 0.3691825866699219

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8598 Epoch 46/499: 38%|██████| 61/160 [06:23<10:16, 6.23s/it]print_dice: 0.5959457159042358
, print_iou: 0.42444634437561035
8599 Epoch 46/499: 39%|██████| 62/160 [06:30<10:15, 6.28s/it]print_dice: 0.
47533947229385376, print_iou: 0.3117673993110657
8600 Epoch 46/499: 39%|██████| 63/160 [06:36<10:13, 6.32s/it]print_dice: 0.6098718643188477
, print_iou: 0.438716322183609
8601 Epoch 46/499: 40%|██████| 64/160 [06:43<10:05, 6.31s/it]print_dice: 0.553733766078949
, print_iou: 0.38287127017974854
8602 Epoch 46/499: 41%|██████| 65/160 [06:49<09:57, 6.29s/it]print_dice: 0.4694786071777344
, print_iou: 0.30674421787261963
8603 print_dice: 0.4859025478363037, print_iou: 0.3209189474582672
8604 Epoch 46/499: 42%|██████| 67/160 [07:01<09:39, 6.23s/it]print_dice: 0.4780072569847107
, print_iou: 0.31406670808792114
8605 print_dice: 0.4815320074558258, print_iou: 0.31711700558662415
8606 Epoch 46/499: 43%|██████| 69/160 [07:13<09:23, 6.19s/it]print_dice: 0.4920482337474823
, print_iou: 0.3263023793697357
8607 Epoch 46/499: 44%|██████| 70/160 [07:20<09:17, 6.19s/it]print_dice: 0.5070101618766785
, print_iou: 0.3395938277244568
8608 Epoch 46/499: 44%|██████| 71/160 [07:26<09:10, 6.18s/it]print_dice: 0.4475114345550537
, print_iou: 0.2882542610168457
8609 print_dice: 0.532432496547699, print_iou: 0.36279934644699097
8610 Epoch 46/499: 46%|██████| 73/160 [07:38<08:57, 6.17s/it]print_dice: 0.5031428337097168
, print_iou: 0.33613282442092896
8611 Epoch 46/499: 46%|██████| 74/160 [07:44<08:53, 6.20s/it]print_dice: 0.479413777589798
, print_iou: 0.3152821958065033
8612 print_dice: 0.6029819846153259, print_iou: 0.4316207766532898
8613 Epoch 46/499: 48%|██████| 76/160 [07:57<08:38, 6.17s/it]print_dice: 0.5199100971221924
, print_iou: 0.35126927495002747
8614 print_dice: 0.6038171052932739, print_iou: 0.43247705698013306
8615 Epoch 46/499: 49%|██████| 78/160 [08:09<08:26, 6.17s/it]print_dice: 0.5413846969604492
, print_iou: 0.3711634576320648
8616 Epoch 46/499: 49%|██████| 79/160 [08:15<08:21, 6.19s/it]print_dice: 0.5174795389175415
, print_iou: 0.34905385971069336
8617 Epoch 46/499: 50%|██████| 80/160 [08:21<08:14, 6.18s/it]print_dice: 0.
46530207991600037, print_iou: 0.3031880557537079
8618 Epoch 46/499: 51%|██████| 81/160 [08:28<08:10, 6.21s/it]print_dice: 0.5594559907913208
, print_iou: 0.38836440443992615
8619 Epoch 46/499: 51%|██████| 82/160 [08:34<08:04, 6.21s/it]print_dice: 0.4958583116531372
, print_iou: 0.3296619653701782
8620 Epoch 46/499: 52%|██████| 83/160 [08:40<08:00, 6.24s/it]print_dice: 0.620211660861969
, print_iou: 0.44949766993522644
8621 Epoch 46/499: 52%|██████| 84/160 [08:46<07:52, 6.22s/it]print_dice: 0.5501089096069336
, print_iou: 0.3794139623641968
8622 Epoch 46/499: 53%|██████| 85/160 [08:53<07:49, 6.26s/it]print_dice: 0.5145550966262817
, print_iou: 0.3463979661464691
8623 Epoch 46/499: 54%|██████| 86/160 [08:59<07:42, 6.26s/it]print_dice: 0.
47332754731178284, print_iou: 0.3100387156009674
8624 Epoch 46/499: 54%|██████| 87/160 [09:05<07:32, 6.20s/it]print_dice: 0.
42047080397605896, print_iou: 0.26620006561279297
8625 Epoch 46/499: 55%|██████| 88/160 [09:11<07:23, 6.16s/it]print_dice: 0.5821412801742554
, print_iou: 0.41057780385017395
8626 Epoch 46/499: 56%|██████| 89/160 [09:17<07:18, 6.17s/it]print_dice: 0.5181630849838257
, print_iou: 0.3496761620044708
8627 Epoch 46/499: 56%|██████| 90/160 [09:24<07:15, 6.22s/it]print_dice: 0.5433223843574524
, print_iou: 0.37298738956451416
8628 Epoch 46/499: 57%|██████| 91/160 [09:30<07:07, 6.19s/it]print_dice: 0.5607321858406067
, print_iou: 0.3895954489707947
8629 Epoch 46/499: 57%|██████| 92/160 [09:36<07:00, 6.18s/it]print_dice: 0.5671722888946533
, print_iou: 0.3958412706851959
8630 Epoch 46/499: 58%|██████| 93/160 [09:42<06:54, 6.19s/it]print_dice: 0.5428626537322998
, print_iou: 0.3725541830062866
8631 Epoch 46/499: 59%|██████| 94/160 [09:48<06:48, 6.19s/it]print_dice: 0.5469655394554138
, print_iou: 0.37642985582351685
8632 Epoch 46/499: 59%|██████| 95/160 [09:55<06:45, 6.23s/it]print_dice: 0.4853312373161316
, print_iou: 0.3204207122325897
8633 Epoch 46/499: 60%|██████| 96/160 [10:01<06:37, 6.21s/it]print_dice: 0.5178797841072083
, print_iou: 0.3494182229042053
8634 Epoch 46/499: 61%|██████| 97/160 [10:07<06:31, 6.21s/it]print_dice: 0.5587455630302429
, print_iou: 0.3876799941062927

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8635 Epoch 46/499: 61%|███████| 98/160 [10:13<06:22, 6.17s/it]print_dice: 0.49963855743408203, print_iou: 0.3330121338367462
8636 print_dice: 0.6126466393470764, print_iou: 0.4415937662124634
8637 Epoch 46/499: 62%|███████| 100/160 [10:26<06:10, 6.17s/it]print_dice: 0.537386417388916, print_iou: 0.367415189743042
8638 Epoch 46/499: 63%|███████| 101/160 [10:32<06:03, 6.17s/it]print_dice: 0.5154303908348083, print_iou: 0.34719181060791016
8639 [100/160] eta: 0:06:15 time: 6.1974 data: 0.0004
8640 Epoch 46/499: 64%|███████| 102/160 [10:38<05:57, 6.17s/it]print_dice: 0.5531294941902161, print_iou: 0.382293701171875
8641 Epoch 46/499: 64%|███████| 103/160 [10:44<05:52, 6.18s/it]print_dice: 0.4449716806411743, print_iou: 0.2861502170562744
8642 Epoch 46/499: 65%|███████| 104/160 [10:50<05:46, 6.20s/it]print_dice: 0.5949918627738953, print_iou: 0.423479288816452
8643 Epoch 46/499: 66%|███████| 105/160 [10:56<05:39, 6.17s/it]print_dice: 0.549187183380127, print_iou: 0.3785375654697418
8644 print_dice: 0.5010260343551636, print_iou: 0.3342459797859192
8645 Epoch 46/499: 67%|███████| 107/160 [11:09<05:28, 6.20s/it]print_dice: 0.47602689266204834, print_iou: 0.31235912442207336
8646 Epoch 46/499: 68%|███████| 108/160 [11:15<05:22, 6.20s/it]print_dice: 0.5664862394332886, print_iou: 0.39517319202423096
8647 Epoch 46/499: 68%|███████| 109/160 [11:21<05:17, 6.22s/it]print_dice: 0.49989742040634155, print_iou: 0.33324214816093445
8648 Epoch 46/499: 69%|███████| 110/160 [11:28<05:11, 6.23s/it]print_dice: 0.44212281703948975, print_iou: 0.2837982475757599
8649 print_dice: 0.5673467516899109, print_iou: 0.39601123332977295
8650 Epoch 46/499: 70%|███████| 112/160 [11:40<05:00, 6.26s/it]print_dice: 0.515112578868866, print_iou: 0.3469034731388092
8651 Epoch 46/499: 71%|███████| 113/160 [11:46<04:53, 6.25s/it]print_dice: 0.5267453193664551, print_iou: 0.35753852128982544
8652 print_dice: 0.4369852840900421, print_iou: 0.27957847714424133
8653 Epoch 46/499: 72%|███████| 115/160 [11:59<04:39, 6.20s/it]print_dice: 0.5914015173912048, print_iou: 0.41985106468200684
8654 Epoch 46/499: 72%|███████| 116/160 [12:05<04:31, 6.18s/it]print_dice: 0.4933149516582489, print_iou: 0.32741743326187134
8655 print_dice: 0.5197543501853943, print_iou: 0.35112708806991577
8656 Epoch 46/499: 74%|███████| 118/160 [12:17<04:20, 6.20s/it]print_dice: 0.5897313356399536, print_iou: 0.41816946864128113
8657 Epoch 46/499: 74%|███████| 119/160 [12:23<04:14, 6.20s/it]print_dice: 0.5200368165969849, print_iou: 0.3513849675655365
8658 Epoch 46/499: 75%|███████| 120/160 [12:30<04:08, 6.21s/it]print_dice: 0.573198139667511, print_iou: 0.401736319065094
8659 print_dice: 0.5415502786636353, print_iou: 0.37131914496421814
8660 Epoch 46/499: 76%|███████| 122/160 [12:42<03:54, 6.18s/it]print_dice: 0.4942615032196045, print_iou: 0.3282518684864044
8661 Epoch 46/499: 77%|███████| 123/160 [12:48<03:48, 6.17s/it]print_dice: 0.548540472984314, print_iou: 0.3779233396053314
8662 Epoch 46/499: 78%|███████| 124/160 [12:54<03:43, 6.20s/it]print_dice: 0.5631673336029053, print_iou: 0.3919505774974823
8663 Epoch 46/499: 78%|███████| 125/160 [13:01<03:37, 6.21s/it]print_dice: 0.45490917563438416, print_iou: 0.29442229866981506
8664 Epoch 46/499: 79%|███████| 126/160 [13:07<03:31, 6.21s/it]print_dice: 0.5827051401138306, print_iou: 0.41113898158073425
8665 print_dice: 0.4288226366043091, print_iou: 0.272930771112442
8666 Epoch 46/499: 80%|███████| 128/160 [13:19<03:18, 6.20s/it]print_dice: 0.502373456954956, print_iou: 0.33544638752937317
8667 Epoch 46/499: 81%|███████| 129/160 [13:25<03:11, 6.18s/it]print_dice: 0.5642120838165283, print_iou: 0.39296337962150574
8668 print_dice: 0.5329012274742126, print_iou: 0.3632347583770752
8669 Epoch 46/499: 82%|███████| 131/160 [13:38<03:00, 6.24s/it]print_dice: 0.5646322965621948, print_iou: 0.3933711647987366
8670 Epoch 46/499: 82%|███████| 132/160 [13:44<02:56, 6.29s/it]print_dice: 0.47129666805267334, print_iou: 0.3082983195781708
8671 Epoch 46/499: 83%|███████| 133/160 [13:51<02:51, 6.35s/it]print_dice: 0.5093679428100586, print_iou: 0.34171271324157715
8672 Epoch 46/499: 84%|███████| 134/160 [13:57<02:45, 6.35s/it]print_dice: 0.5767343640327454, print_iou: 0.40521907806396484
8673 print_dice: 0.6269965171813965, print_iou: 0.45666053891181946
8674 Epoch 46/499: 85%|███████| 136/160 [14:10<02:31, 6.31s/it]print_dice: 0.
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8674 5372378826141357, print_iou: 0.36727631092071533
8675 Epoch 46/499: 86%|██████████| 137/160 [14:16<02:24, 6.30s/it]print_dice: 0.
5068464279174805, print_iou: 0.33944693207740784
8676 Epoch 46/499: 86%|██████████| 138/160 [14:22<02:17, 6.27s/it]print_dice: 0.
6476337313652039, print_iou: 0.4788893163204193
8677 print_dice: 0.4605696201324463, print_iou: 0.29918181896209717
8678 Epoch 46/499: 88%|██████████| 140/160 [14:35<02:05, 6.27s/it]print_dice: 0.
47644343972206116, print_iou: 0.31271791458129883
8679 Epoch 46/499: 88%|██████████| 141/160 [14:41<01:59, 6.28s/it]print_dice: 0.
5430510640144348, print_iou: 0.3727317154407501
8680 print_dice: 0.5420390963554382, print_iou: 0.3717789053916931
8681 Epoch 46/499: 89%|██████████| 143/160 [14:53<01:45, 6.21s/it]print_dice: 0.
5817206501960754, print_iou: 0.4101594090461731
8682 print_dice: 0.5501289367675781, print_iou: 0.3794329762458801
8683 Epoch 46/499: 91%|██████████| 145/160 [15:06<01:32, 6.18s/it]print_dice: 0.
5216572880744934, print_iou: 0.3528662621974945
8684 print_dice: 0.5297868251800537, print_iou: 0.3603469431400299
8685 Epoch 46/499: 92%|██████████| 147/160 [15:18<01:20, 6.20s/it]print_dice: 0.507170557975769
, print_iou: 0.33973777294158936
8686 Epoch 46/499: 92%|██████████| 148/160 [15:24<01:14, 6.19s/it]print_dice: 0.
5550647377967834, print_iou: 0.384145051240921
8687 Epoch 46/499: 93%|██████████| 149/160 [15:31<01:08, 6.23s/it]print_dice: 0.
5641485452651978, print_iou: 0.392901748418808
8688 Epoch 46/499: 94%|██████████| 150/160 [15:37<01:01, 6.20s/it]print_dice: 0.
49256575107574463, print_iou: 0.3267576992511749
8689 Epoch 46/499: 94%|██████████| 151/160 [15:43<00:55, 6.21s/it]print_dice: 0.
5385323166847229, print_iou: 0.36848729848861694
8690 Epoch 46/499: 95%|██████████| 152/160 [15:49<00:49, 6.20s/it]print_dice: 0.
5997791886329651, print_iou: 0.4283461272716522
8691 Epoch 46/499: 96%|██████████| 153/160 [15:55<00:43, 6.23s/it]print_dice: 0.518035352230072
, print_iou: 0.34955987334251404
8692 print_dice: 0.5302364230155945, print_iou: 0.3607630431652069
8693 Epoch 46/499: 97%|██████████| 155/160 [16:08<00:30, 6.18s/it]print_dice: 0.564472496509552
, print_iou: 0.3932160437107086
8694 Epoch 46/499: 98%|██████████| 156/160 [16:14<00:24, 6.23s/it]print_dice: 0.
4930126667022705, print_iou: 0.32715117931365967
8695 Epoch 46/499: 98%|██████████| 157/160 [16:20<00:18, 6.24s/it]print_dice: 0.
46214210987091064, print_iou: 0.3005102872848511
8696 print_dice: 0.5499731302261353, print_iou: 0.3792847990989685
8697 Epoch 46/499: 99%|██████████| 159/160 [16:33<00:06, 6.33s/it]print_dice: 0.
5158267617225647, print_iou: 0.3475515842437744
8698 Epoch 46/499: 100%|██████████| 160/160 [16:39<00:00, 6.26s/it]print_dice: 0.
5913665294647217, print_iou: 0.4198157787322998
8699 [159/160] eta: 0:00:06 time: 6.2230 data: 0.0006
8700 Total time: 0:16:40 (6.2554 s / it)
8701 Averaged stats: training_loss: -538.6476 (-538.6476) loss_mask: -538.6169 (-538.6169)
loss_dice: -0.0306 (-0.0306)
8702 Epoch 46/499: 100%|██████████| 160/160 [16:40<00:00, 6.26s/it]
8703 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8402769967215
8704 Validating...
8705 Valid_data_loader len: 12
8706 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.1818e-04, 6.
2983e-04, 6.6531e-04, ..., 9.9998e-01, 9.9998e-01,
8707 9.9999e-01], grad_fn=<Unique2Backward0>)
8708 8%|██████████| 1/12 [00:10<01:50, 10.07s/it]print_dice: 0.5640180706977844, print_iou: 0.
39277517795562744
8709 [ 0/12] eta: 0:02:00 time: 10.0749 data: 5.8295
8710 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.8973e-04, 1.
9822e-04, 1.9849e-04, ..., 1.0000e+00, 1.0000e+00,
8711 1.0000e+00], grad_fn=<Unique2Backward0>)
8712 print_dice: 0.6127519011497498, print_iou: 0.441703200340271
8713 17%|██████████| 2/12 [00:14<01:06, 6.63s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.2850e-04, 2.2891e-04, 2.3114e-04, ..., 1.0000e+00, 1.
0000e+00,
8714 1.0000e+00], grad_fn=<Unique2Backward0>)
8715 print_dice: 0.5396166443824768, print_iou: 0.3695034384727478
8716 25%|██████████| 3/12 [00:18<00:49, 5.51s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([5.9066e-04, 6.2120e-04, 6.2147e-04, ..., 9.9998e-01, 9.
9998e-01,

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8717          9.9998e-01], grad_fn=<Unique2Backward0>)
8718 33%|███████| 4/12 [00:22<00:39, 4.96s/it]print_dice: 0.5303656458854675, print_iou: 0.
3608827292919159
8719 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.9862e-04, 6.
4443e-04, 6.5398e-04, ..., 9.9998e-01, 9.9998e-01,
8720          9.9999e-01], grad_fn=<Unique2Backward0>)
8721 42%|███████| 5/12 [00:26<00:32, 4.64s/it]print_dice: 0.5817208886146545, print_iou: 0.
4101596474647522
8722 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.2649e-04, 1.
2740e-04, 1.2958e-04, ..., 1.0000e+00, 1.0000e+00,
8723          1.0000e+00], grad_fn=<Unique2Backward0>)
8724 50%|███████| 6/12 [00:30<00:26, 4.49s/it]print_dice: 0.5168755650520325, print_iou: 0.
34850451350212097
8725 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2851e-04, 2.
2887e-04, 2.3113e-04, ..., 1.0000e+00, 1.0000e+00,
8726          1.0000e+00], grad_fn=<Unique2Backward0>)
8727 print_dice: 0.44486817717552185, print_iou: 0.28606459498405457
8728 58%|███████| 7/12 [00:34<00:21, 4.36s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([9.8413e-05, 1.0574e-04, 1.0589e-04, ..., 1.0000e+00, 1.
0000e+00,
8729          1.0000e+00], grad_fn=<Unique2Backward0>)
8730 print_dice: 0.553436815738678, print_iou: 0.38258737325668335
8731 67%|███████| 8/12 [00:39<00:17, 4.29s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.2864e-04, 2.2907e-04, 2.3114e-04, ..., 1.0000e+00, 1.
0000e+00,
8732          1.0000e+00], grad_fn=<Unique2Backward0>)
8733 print_dice: 0.5707439184188843, print_iou: 0.39932936429977417
8734 75%|███████| 9/12 [00:43<00:12, 4.22s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([8.8820e-04, 8.9304e-04, 9.0303e-04, ..., 9.9998e-01, 9.
9998e-01,
8735          9.9998e-01], grad_fn=<Unique2Backward0>)
8736 83%|███████| 10/12 [00:47<00:08, 4.18s/it]print_dice: 0.5791084170341492, print_iou: 0
.4075669050216675
8737 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([0.0010, 0.0010
, 0.0011, ..., 1.0000, 1.0000, 1.0000],
8738          grad_fn=<Unique2Backward0>)
8739 92%|███████| 11/12 [00:51<00:04, 4.14s/it]print_dice: 0.6146604418754578, print_iou: 0
.44368937611579895
8740 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2850e-04, 2.
2891e-04, 2.3105e-04, ..., 1.0000e+00, 1.0000e+00,
8741          1.0000e+00], grad_fn=<Unique2Backward0>)
8742 print_dice: 0.5890284180641174, print_iou: 0.4174630045890808
8743 [11/12] eta: 0:00:04 time: 4.6076 data: 0.4901
8744 100%|███████| 12/12 [00:55<00:00, 4.65s/it]
8745 Total time: 0:00:55 (4.6476 s / it)
8746 =====
8747 Averaged stats:
8748 Epoch 47/499: 0%|███████| 0/160 [00:00<?, ?it/s]epoch: 47 learning rate: 1e-08
8749 Epoch 47/499: 1%|███████| 1/160 [00:10<28:24, 10.72s/it]print_dice: 0.529106080532074
, print_iou: 0.35971736907958984
8750 [ 0/160] eta: 0:28:35 time: 10.7191 data: 4.3449
8751 Epoch 47/499: 1%|███████| 2/160 [00:16<21:13, 8.06s/it]print_dice: 0.5254210829734802
, print_iou: 0.3563194274902344
8752 Epoch 47/499: 2%|███████| 3/160 [00:23<18:54, 7.23s/it]print_dice: 0.5611823201179504
, print_iou: 0.390030175447464
8753 print_dice: 0.5436080098152161, print_iou: 0.3732566833496094
8754 Epoch 47/499: 3%|███████| 5/160 [00:35<16:59, 6.58s/it]print_dice: 0.6227350234985352
, print_iou: 0.45215335488319397
8755 Epoch 47/499: 4%|███████| 6/160 [00:41<16:33, 6.45s/it]print_dice: 0.5462709665298462
, print_iou: 0.3757722079753876
8756 Epoch 47/499: 4%|███████| 7/160 [00:47<16:12, 6.35s/it]print_dice: 0.6173630952835083
, print_iou: 0.4465113580226898
8757 Epoch 47/499: 5%|███████| 8/160 [00:53<15:54, 6.28s/it]print_dice: 0.4914633333683014
, print_iou: 0.32578811049461365
8758 Epoch 47/499: 6%|███████| 9/160 [01:00<15:41, 6.23s/it]print_dice: 0.5469473004341125
, print_iou: 0.3764125406742096
8759 Epoch 47/499: 6%|███████| 10/160 [01:06<15:37, 6.25s/it]print_dice: 0.4209691882133484
, print_iou: 0.26659971475601196
8760 Epoch 47/499: 7%|███████| 11/160 [01:12<15:34, 6.27s/it]print_dice: 0.5351672172546387

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8760 , print_iou: 0.36534354090690613
8761 Epoch 47/499: 8%|██████████| 12/160 [01:18<15:27, 6.27s/it]print_dice: 0.5153757929801941
, print_iou: 0.3471422493457794
8762 Epoch 47/499: 8%|██████████| 13/160 [01:25<15:21, 6.27s/it]print_dice: 0.5784690380096436
, print_iou: 0.40693381428718567
8763 Epoch 47/499: 9%|██████████| 14/160 [01:31<15:13, 6.26s/it]print_dice: 0.5434662699699402
, print_iou: 0.37312301993370056
8764 Epoch 47/499: 9%|██████████| 15/160 [01:37<15:05, 6.25s/it]print_dice: 0.5092315077781677
, print_iou: 0.34158992767333984
8765 Epoch 47/499: 10%|██████████| 16/160 [01:44<15:01, 6.26s/it]print_dice: 0.5162705183029175
, print_iou: 0.3479546308517456
8766 Epoch 47/499: 11%|██████████| 17/160 [01:50<14:53, 6.25s/it]print_dice: 0.597818911075592
, print_iou: 0.42634931206703186
8767 print_dice: 0.6088961958885193, print_iou: 0.4377072751522064
8768 Epoch 47/499: 12%|██████████| 19/160 [02:02<14:43, 6.26s/it]print_dice: 0.
49169325828552246, print_iou: 0.325990229845047
8769 print_dice: 0.5993868112564087, print_iou: 0.427946001291275
8770 Epoch 47/499: 13%|██████████| 21/160 [02:15<14:24, 6.22s/it]print_dice: 0.5081310272216797
, print_iou: 0.34060031175613403
8771 Epoch 47/499: 14%|██████████| 22/160 [02:21<14:14, 6.19s/it]print_dice: 0.5531467199325562
, print_iou: 0.3823101818561554
8772 Epoch 47/499: 14%|██████████| 23/160 [02:27<14:10, 6.21s/it]print_dice: 0.54258131980896
, print_iou: 0.3722892999649048
8773 Epoch 47/499: 15%|██████████| 24/160 [02:33<14:05, 6.22s/it]print_dice: 0.5609882473945618
, print_iou: 0.3898427188396454
8774 Epoch 47/499: 16%|██████████| 25/160 [02:39<13:58, 6.21s/it]print_dice: 0.5912036895751953
, print_iou: 0.4196516275405884
8775 Epoch 47/499: 16%|██████████| 26/160 [02:46<13:50, 6.20s/it]print_dice: 0.5309802889823914
, print_iou: 0.3614521026611328
8776 Epoch 47/499: 17%|██████████| 27/160 [02:52<13:49, 6.23s/it]print_dice: 0.5423861742019653
, print_iou: 0.37210553884506226
8777 Epoch 47/499: 18%|██████████| 28/160 [02:58<13:42, 6.23s/it]print_dice: 0.552951991558075
, print_iou: 0.3821241557598114
8778 Epoch 47/499: 18%|██████████| 29/160 [03:04<13:34, 6.22s/it]print_dice: 0.5216886401176453
, print_iou: 0.35289499163627625
8779 Epoch 47/499: 19%|██████████| 30/160 [03:11<13:29, 6.23s/it]print_dice: 0.5677666664123535
, print_iou: 0.3964204788208008
8780 Epoch 47/499: 19%|██████████| 31/160 [03:17<13:25, 6.25s/it]print_dice: 0.5958462953567505
, print_iou: 0.4243454933166504
8781 Epoch 47/499: 20%|██████████| 32/160 [03:23<13:15, 6.22s/it]print_dice: 0.6162182092666626
, print_iou: 0.44531458616256714
8782 print_dice: 0.5406938791275024, print_iou: 0.3705143630504608
8783 Epoch 47/499: 21%|██████████| 34/160 [03:35<12:58, 6.17s/it]print_dice: 0.5705434083938599
, print_iou: 0.3991330564022064
8784 Epoch 47/499: 22%|██████████| 35/160 [03:41<12:50, 6.16s/it]print_dice: 0.572849452495575
, print_iou: 0.4013938307762146
8785 print_dice: 0.42941999435424805, print_iou: 0.2734149098396301
8786 Epoch 47/499: 23%|██████████| 37/160 [03:54<12:44, 6.22s/it]print_dice: 0.
43617966771125793, print_iou: 0.2789192795753479
8787 Epoch 47/499: 24%|██████████| 38/160 [04:00<12:43, 6.26s/it]print_dice: 0.
44649839401245117, print_iou: 0.28741419315338135
8788 Epoch 47/499: 24%|██████████| 39/160 [04:07<12:38, 6.27s/it]print_dice: 0.
47999435663223267, print_iou: 0.31578460335731506
8789 Epoch 47/499: 25%|██████████| 40/160 [04:13<12:28, 6.24s/it]print_dice: 0.5641575455665588
, print_iou: 0.3929104804992676
8790 print_dice: 0.5407707691192627, print_iou: 0.3705865442752838
8791 Epoch 47/499: 26%|██████████| 42/160 [04:25<12:16, 6.24s/it]print_dice: 0.4742455780506134
, print_iou: 0.3108269274234772
8792 Epoch 47/499: 27%|██████████| 43/160 [04:32<12:12, 6.26s/it]print_dice: 0.4432348608970642
, print_iou: 0.28471529483795166
8793 print_dice: 0.4979269802570343, print_iou: 0.33149319887161255
8794 Epoch 47/499: 28%|██████████| 45/160 [04:44<11:56, 6.23s/it]print_dice: 0.5518873333930969
, print_iou: 0.38110801577568054
8795 print_dice: 0.4742012619972229, print_iou: 0.3107888698577881
8796 Epoch 47/499: 29%|██████████| 47/160 [04:56<11:44, 6.24s/it]print_dice: 0.5469879508018494
, print_iou: 0.3764510452747345
8797 Epoch 47/499: 30%|██████████| 48/160 [05:03<11:37, 6.23s/it]print_dice: 0.5486381649971008
, print_iou: 0.3780161142349243
8798 Epoch 47/499: 31%|██████████| 49/160 [05:09<11:27, 6.19s/it]print_dice: 0.5129952430725098

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8798 , print_iou: 0.34498560428619385
8799 Epoch 47/499: 31%|██████| 50/160 [05:15<11:19, 6.17s/it]print_dice: 0.
    49814271926879883, print_iou: 0.3316844403743744
8800 Epoch 47/499: 32%|██████| 51/160 [05:21<11:10, 6.15s/it]print_dice: 0.5477442741394043
    , print_iou: 0.3771679401397705
8801 Epoch 47/499: 32%|██████| 52/160 [05:27<11:02, 6.14s/it]print_dice: 0.512033998966217
    , print_iou: 0.344116747379303
8802 Epoch 47/499: 33%|██████| 53/160 [05:33<10:56, 6.14s/it]print_dice: 0.5398247838020325
    , print_iou: 0.3696986138820648
8803 Epoch 47/499: 34%|██████| 54/160 [05:39<10:56, 6.19s/it]print_dice: 0.553986668586731
    , print_iou: 0.38311314582824707
8804 Epoch 47/499: 34%|██████| 55/160 [05:46<10:52, 6.21s/it]print_dice: 0.5414659976959229
    , print_iou: 0.37123990058898926
8805 Epoch 47/499: 35%|██████| 56/160 [05:52<10:45, 6.21s/it]print_dice: 0.6074792146682739
    , print_iou: 0.43624427914619446
8806 Epoch 47/499: 36%|██████| 57/160 [05:58<10:40, 6.22s/it]print_dice: 0.5243145823478699
    , print_iou: 0.3553024232387543
8807 Epoch 47/499: 36%|██████| 58/160 [06:04<10:37, 6.25s/it]print_dice: 0.5847574472427368
    , print_iou: 0.41318532824516296
8808 Epoch 47/499: 37%|██████| 59/160 [06:11<10:27, 6.21s/it]print_dice: 0.6444413065910339
    , print_iou: 0.4754064083099365
8809 Epoch 47/499: 38%|██████| 60/160 [06:17<10:19, 6.19s/it]print_dice: 0.5233765244483948
    , print_iou: 0.35444143414497375
8810 Epoch 47/499: 38%|██████| 61/160 [06:23<10:14, 6.21s/it]print_dice: 0.5642107129096985
    , print_iou: 0.3929620683193207
8811 Epoch 47/499: 39%|██████| 62/160 [06:29<10:11, 6.24s/it]print_dice: 0.5649598836898804
    , print_iou: 0.39368924498558044
8812 print_dice: 0.5573030114173889, print_iou: 0.3862924575805664
8813 Epoch 47/499: 40%|██████| 64/160 [06:42<09:59, 6.24s/it]print_dice: 0.
    42309311032295227, print_iou: 0.2683057188987732
8814 Epoch 47/499: 41%|██████| 65/160 [06:48<09:53, 6.24s/it]print_dice: 0.5520790219306946
    , print_iou: 0.38129082322120667
8815 print_dice: 0.4685296416282654, print_iou: 0.30593451857566833
8816 Epoch 47/499: 42%|██████| 67/160 [07:01<09:44, 6.29s/it]print_dice: 0.4745526611804962
    , print_iou: 0.3110908269882202
8817 print_dice: 0.4937763214111328, print_iou: 0.32782402634620667
8818 Epoch 47/499: 43%|██████| 69/160 [07:13<09:29, 6.25s/it]print_dice: 0.5294095873832703
    , print_iou: 0.3599979877471924
8819 Epoch 47/499: 44%|██████| 70/160 [07:19<09:18, 6.21s/it]print_dice: 0.5809890627861023
    , print_iou: 0.40943241119384766
8820 Epoch 47/499: 44%|██████| 71/160 [07:25<09:12, 6.21s/it]print_dice: 0.5176079869270325
    , print_iou: 0.3491708040237427
8821 Epoch 47/499: 45%|██████| 72/160 [07:32<09:07, 6.22s/it]print_dice: 0.5363548398017883
    , print_iou: 0.3664514422416687
8822 Epoch 47/499: 46%|██████| 73/160 [07:38<08:57, 6.18s/it]print_dice: 0.575232744216919
    , print_iou: 0.40373802185058594
8823 print_dice: 0.45087864995002747, print_iou: 0.29105445742607117
8824 Epoch 47/499: 47%|██████| 75/160 [07:50<08:43, 6.16s/it]print_dice: 0.
    47950565814971924, print_iou: 0.31536170840263367
8825 print_dice: 0.5459240078926086, print_iou: 0.3754439353942871
8826 Epoch 47/499: 48%|██████| 77/160 [08:03<08:33, 6.19s/it]print_dice: 0.
    48644405603408813, print_iou: 0.3213915228843689
8827 Epoch 47/499: 49%|██████| 78/160 [08:09<08:27, 6.18s/it]print_dice: 0.4908912479877472
    , print_iou: 0.32528552412986755
8828 Epoch 47/499: 49%|██████| 79/160 [08:15<08:21, 6.19s/it]print_dice: 0.482542484998703
    , print_iou: 0.31799405813217163
8829 print_dice: 0.5336925387382507, print_iou: 0.36397039890289307
8830 Epoch 47/499: 51%|██████| 81/160 [08:27<08:05, 6.14s/it]print_dice: 0.
    48879358172416687, print_iou: 0.3234459459781647
8831 Epoch 47/499: 51%|██████| 82/160 [08:33<08:01, 6.17s/it]print_dice: 0.5092657804489136
    , print_iou: 0.3416208028793335
8832 print_dice: 0.5638057589530945, print_iou: 0.39256927371025085
8833 Epoch 47/499: 52%|██████| 84/160 [08:46<07:49, 6.18s/it]print_dice: 0.5892424583435059
    , print_iou: 0.41767802834510803
8834 Epoch 47/499: 53%|██████| 85/160 [08:52<07:48, 6.24s/it]print_dice: 0.5142526030540466
    , print_iou: 0.3461238443851471
8835 Epoch 47/499: 54%|██████| 86/160 [08:59<07:45, 6.29s/it]print_dice: 0.5978480577468872
    , print_iou: 0.42637893557548523
8836 print_dice: 0.5060909986495972, print_iou: 0.3387696146965027

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8837 Epoch 47/499: 55%|███████| 88/160 [09:11<07:26, 6.20s/it]print_dice: 0.5619513988494873
, print_iou: 0.39077359437942505
8838 print_dice: 0.4968344271183014, print_iou: 0.33052539825439453
8839 Epoch 47/499: 56%|███████| 90/160 [09:23<07:16, 6.23s/it]print_dice: 0.5445974469184875
, print_iou: 0.37419024109840393
8840 Epoch 47/499: 57%|███████| 91/160 [09:29<07:08, 6.22s/it]print_dice: 0.5407680869102478
, print_iou: 0.37058407068252563
8841 print_dice: 0.5066776871681213, print_iou: 0.33929556608200073
8842 Epoch 47/499: 58%|███████| 93/160 [09:42<06:57, 6.23s/it]print_dice: 0.5504986047744751
, print_iou: 0.37978479266166687
8843 Epoch 47/499: 59%|███████| 94/160 [09:48<06:52, 6.25s/it]print_dice: 0.5210192203521729
, print_iou: 0.3522826135158539
8844 print_dice: 0.45884448289871216, print_iou: 0.2977275550365448
8845 Epoch 47/499: 60%|███████| 96/160 [10:01<06:36, 6.20s/it]print_dice: 0.5064612030982971
, print_iou: 0.3391014635562897
8846 Epoch 47/499: 61%|███████| 97/160 [10:07<06:29, 6.19s/it]print_dice: 0.527262270450592
, print_iou: 0.3580150604248047
8847 Epoch 47/499: 61%|███████| 98/160 [10:13<06:23, 6.18s/it]print_dice: 0.4410223960876465
, print_iou: 0.28289204835891724
8848 print_dice: 0.48617076873779297, print_iou: 0.3211529850959778
8849 Epoch 47/499: 62%|███████| 100/160 [10:25<06:11, 6.19s/it]print_dice: 0.
47017037868499756, print_iou: 0.30733513832092285
8850 print_dice: 0.5838329195976257, print_iou: 0.41226276755332947
8851 [100/160] eta: 0:06:15 time: 6.2229 data: 0.0004
8852 Epoch 47/499: 64%|███████| 102/160 [10:38<05:58, 6.18s/it]print_dice: 0.
5593290328979492, print_iou: 0.38824206590652466
8853 Epoch 47/499: 64%|███████| 103/160 [10:44<05:53, 6.21s/it]print_dice: 0.
6024829149246216, print_iou: 0.4311095178127289
8854 print_dice: 0.543851375579834, print_iou: 0.373486191034317
8855 Epoch 47/499: 66%|███████| 105/160 [10:56<05:43, 6.24s/it]print_dice: 0.
5069923400878906, print_iou: 0.339577853679657
8856 Epoch 47/499: 66%|███████| 106/160 [11:03<05:36, 6.23s/it]print_dice: 0.
5570521354675293, print_iou: 0.3860514461994171
8857 Epoch 47/499: 67%|███████| 107/160 [11:09<05:30, 6.23s/it]print_dice: 0.
5385646224021912, print_iou: 0.36851757764816284
8858 Epoch 47/499: 68%|███████| 108/160 [11:15<05:23, 6.23s/it]print_dice: 0.
5477791428565979, print_iou: 0.37720102071762085
8859 Epoch 47/499: 68%|███████| 109/160 [11:21<05:15, 6.19s/it]print_dice: 0.488183856010437
, print_iou: 0.32291218638420105
8860 print_dice: 0.5352765917778015, print_iou: 0.3654455244541168
8861 Epoch 47/499: 69%|███████| 111/160 [11:34<05:06, 6.26s/it]print_dice: 0.
4674864113330841, print_iou: 0.3050455152988434
8862 Epoch 47/499: 70%|███████| 112/160 [11:40<04:59, 6.23s/it]print_dice: 0.
5940932631492615, print_iou: 0.42256948351860046
8863 print_dice: 0.5626513361930847, print_iou: 0.39145082235336304
8864 Epoch 47/499: 71%|███████| 114/160 [11:52<04:45, 6.21s/it]print_dice: 0.
49076947569847107, print_iou: 0.3251785933971405
8865 Epoch 47/499: 72%|███████| 115/160 [11:59<04:39, 6.22s/it]print_dice: 0.
5342572927474976, print_iou: 0.3644959628582001
8866 print_dice: 0.5389172434806824, print_iou: 0.36884787678718567
8867 Epoch 47/499: 73%|███████| 117/160 [12:11<04:28, 6.25s/it]print_dice: 0.
5252653956413269, print_iou: 0.3561761975288391
8868 print_dice: 0.5858798027038574, print_iou: 0.4143069386482239
8869 Epoch 47/499: 74%|███████| 119/160 [12:24<04:16, 6.27s/it]print_dice: 0.
4778676927089691, print_iou: 0.3139462172985077
8870 Epoch 47/499: 75%|███████| 120/160 [12:30<04:10, 6.25s/it]print_dice: 0.
5172344446182251, print_iou: 0.348830908536911
8871 print_dice: 0.5828480124473572, print_iou: 0.4112812280654907
8872 Epoch 47/499: 76%|███████| 122/160 [12:43<03:58, 6.27s/it]print_dice: 0.
5004222393035889, print_iou: 0.333708792924881
8873 Epoch 47/499: 77%|███████| 123/160 [12:49<03:51, 6.27s/it]print_dice: 0.
5097264051437378, print_iou: 0.3420354723930359
8874 Epoch 47/499: 78%|███████| 124/160 [12:55<03:45, 6.27s/it]print_dice: 0.449989378452301
, print_iou: 0.2903137505054474
8875 Epoch 47/499: 78%|███████| 125/160 [13:01<03:38, 6.25s/it]print_dice: 0.
6003506779670715, print_iou: 0.42892932891845703
8876 Epoch 47/499: 79%|███████| 126/160 [13:07<03:30, 6.19s/it]print_dice: 0.558376669883728
, print_iou: 0.3873249292373657
8877 print_dice: 0.5628793835639954, print_iou: 0.39167165756225586
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8878 Epoch 47/499: 80%|██████████| 128/160 [13:20<03:18, 6.20s/it]print_dice: 0.
5351954698562622, print_iou: 0.36536988615989685
8879 Epoch 47/499: 81%|██████████| 129/160 [13:26<03:12, 6.20s/it]print_dice: 0.
45762544870376587, print_iou: 0.2967018783092499
8880 Epoch 47/499: 81%|██████████| 130/160 [13:32<03:06, 6.22s/it]print_dice: 0.
5862427353858948, print_iou: 0.41467002034187317
8881 Epoch 47/499: 82%|██████████| 131/160 [13:38<02:59, 6.17s/it]print_dice: 0.
44529637694358826, print_iou: 0.2864188253879547
8882 Epoch 47/499: 82%|██████████| 132/160 [13:45<02:53, 6.19s/it]print_dice: 0.
5872354507446289, print_iou: 0.41566407680511475
8883 Epoch 47/499: 83%|██████████| 133/160 [13:51<02:46, 6.18s/it]print_dice: 0.
4637846052646637, print_iou: 0.3019007742404938
8884 print_dice: 0.5301358699798584, print_iou: 0.36066997051239014
8885 Epoch 47/499: 84%|██████████| 135/160 [14:03<02:33, 6.15s/it]print_dice: 0.
5672924518585205, print_iou: 0.3959583342075348
8886 Epoch 47/499: 85%|██████████| 136/160 [14:09<02:26, 6.12s/it]print_dice: 0.
6145462989807129, print_iou: 0.44357046484947205
8887 print_dice: 0.5650618076324463, print_iou: 0.39378827810287476
8888 Epoch 47/499: 86%|██████████| 138/160 [14:22<02:16, 6.19s/it]print_dice: 0.
5512802600860596, print_iou: 0.3805292546749115
8889 Epoch 47/499: 87%|██████████| 139/160 [14:28<02:10, 6.21s/it]print_dice: 0.
5124065279960632, print_iou: 0.3444533348083496
8890 Epoch 47/499: 88%|██████████| 140/160 [14:34<02:04, 6.22s/it]print_dice: 0.
5192263126373291, print_iou: 0.3506452739238739
8891 print_dice: 0.5064383149147034, print_iou: 0.33908095955848694
8892 Epoch 47/499: 89%|██████████| 142/160 [14:47<01:52, 6.27s/it]print_dice: 0.
4698221981525421, print_iou: 0.3070376515388489
8893 print_dice: 0.47800102829933167, print_iou: 0.31406131386756897
8894 Epoch 47/499: 90%|██████████| 144/160 [14:59<01:39, 6.22s/it]print_dice: 0.
5077927708625793, print_iou: 0.3402964174747467
8895 print_dice: 0.4772341847419739, print_iou: 0.31339961290359497
8896 Epoch 47/499: 91%|██████████| 146/160 [15:11<01:26, 6.18s/it]print_dice: 0.
5339409708976746, print_iou: 0.3642015755176544
8897 print_dice: 0.5667780637741089, print_iou: 0.39545726776123047
8898 Epoch 47/499: 92%|██████████| 148/160 [15:24<01:14, 6.24s/it]print_dice: 0.
5101460218429565, print_iou: 0.34241342544555664
8899 print_dice: 0.5382725596427917, print_iou: 0.36824414134025574
8900 Epoch 47/499: 94%|██████████| 150/160 [15:37<01:02, 6.28s/it]print_dice: 0.
6061460375785828, print_iou: 0.43487054109573364
8901 print_dice: 0.4995144009590149, print_iou: 0.33290183544158936
8902 Epoch 47/499: 95%|██████████| 152/160 [15:49<00:49, 6.23s/it]print_dice: 0.
5147642493247986, print_iou: 0.34658753871917725
8903 Epoch 47/499: 96%|██████████| 153/160 [15:55<00:43, 6.23s/it]print_dice: 0.
5129824876785278, print_iou: 0.3449740707874298
8904 Epoch 47/499: 96%|██████████| 154/160 [16:01<00:37, 6.19s/it]print_dice: 0.
5655909180641174, print_iou: 0.3943023979663849
8905 Epoch 47/499: 97%|██████████| 155/160 [16:08<00:30, 6.20s/it]print_dice: 0.
5293238162994385, print_iou: 0.35991865396499634
8906 print_dice: 0.5236013531684875, print_iou: 0.3546476662158966
8907 Epoch 47/499: 98%|██████████| 157/160 [16:20<00:18, 6.19s/it]print_dice: 0.
49997755885124207, print_iou: 0.3333134055137634
8908 Epoch 47/499: 99%|██████████| 158/160 [16:26<00:12, 6.22s/it]print_dice: 0.
49793463945388794, print_iou: 0.33149999380111694
8909 print_dice: 0.495487242937088, print_iou: 0.329334020614624
8910 Epoch 47/499: 100%|██████████| 160/160 [16:38<00:00, 6.16s/it]print_dice: 0.
5175274014472961, print_iou: 0.34909743070602417
8911 [159/160] eta: 0:00:06 time: 6.2123 data: 0.0007
8912 Epoch 47/499: 100%|██████████| 160/160 [16:39<00:00, 6.25s/it]
8913 Total time: 0:16:39 (6.2479 s / it)
8914 Averaged stats: training_loss: 75.3905 (75.3905) loss_mask: 74.8958 (74.8958) loss_dice: 0
.4946 (0.4946)
8915 Net parameter norm: 1053.8403091769433
8916 Validating...
8917 Valid_data_loader len: 12
8918 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
sigmoid values: tensor([6.0092e-04, 6.1649e-04, 6.2295e-04, ..., 9.9999e-01, 9.9999e-01,
8919 9.9999e-01], grad_fn=<Unique2Backward0>)
8920 print_dice: 0.5582798719406128, print_iou: 0.3872317969799042
8921 [ 0/12] eta: 0:01:46 time: 8.8493 data: 4.8183

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8922 8%|██████| 1/12 [00:08<01:37, 8.85s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([8.2289e-04, 8.8117e-04, 8.8151e-04, ..., 9.9998e-01, 9.
9998e-01,
8923 9.9998e-01], grad_fn=<Unique2Backward0>)
8924 17%|██████| 2/12 [00:13<01:01, 6.16s/it]print_dice: 0.6127884984016418, print_iou: 0.
4417411983013153
8925 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.9066e-04, 1.
9988e-04, 2.0636e-04, ..., 1.0000e+00, 1.0000e+00,
8926 1.0000e+00], grad_fn=<Unique2Backward0>)
8927 25%|██████| 3/12 [00:17<00:46, 5.21s/it]print_dice: 0.5380874872207642, print_iou: 0.
36807093024253845
8928 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.3636e-04, 5.
7342e-04, 5.8353e-04, ..., 9.9999e-01, 9.9999e-01,
8929 9.9999e-01], grad_fn=<Unique2Backward0>)
8930 33%|██████| 4/12 [00:21<00:38, 4.78s/it]print_dice: 0.5265066623687744, print_iou: 0.
3573186695575714
8931 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2758e-04, 2.
2803e-04, 2.3091e-04, ..., 1.0000e+00, 1.0000e+00,
8932 1.0000e+00], grad_fn=<Unique2Backward0>)
8933 print_dice: 0.5825039148330688, print_iou: 0.41093865036964417
8934 42%|██████| 5/12 [00:25<00:31, 4.54s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([7.4899e-04, 7.9532e-04, 7.9700e-04, ..., 9.9999e-01, 9.
9999e-01,
8935 9.9999e-01], grad_fn=<Unique2Backward0>)
8936 50%|██████| 6/12 [00:29<00:26, 4.38s/it]print_dice: 0.509800910949707, print_iou: 0.
3421025574207306
8937 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([9.2434e-04, 9.
9956e-04, 1.0002e-03, ..., 9.9997e-01, 9.9997e-01,
8938 9.9997e-01], grad_fn=<Unique2Backward0>)
8939 58%|██████| 7/12 [00:33<00:21, 4.38s/it]print_dice: 0.43952512741088867, print_iou: 0
.28166115283966064
8940 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2757e-04, 2.
2794e-04, 2.3086e-04, ..., 1.0000e+00, 1.0000e+00,
8941 1.0000e+00], grad_fn=<Unique2Backward0>)
8942 print_dice: 0.5512073636054993, print_iou: 0.38045981526374817
8943 67%|██████| 8/12 [00:37<00:17, 4.28s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([1.9058e-04, 1.9434e-04, 1.9521e-04, ..., 1.0000e+00, 1.
0000e+00,
8944 1.0000e+00], grad_fn=<Unique2Backward0>)
8945 75%|██████| 9/12 [00:42<00:12, 4.25s/it]print_dice: 0.5711308717727661, print_iou: 0.
3997083008289337
8946 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2747e-04, 2.
2792e-04, 2.3083e-04, ..., 1.0000e+00, 1.0000e+00,
8947 1.0000e+00], grad_fn=<Unique2Backward0>)
8948 print_dice: 0.5814586281776428, print_iou: 0.40989893674850464
8949 83%|██████| 10/12 [00:46<00:08, 4.20s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([7.0576e-04, 7.1160e-04, 7.1914e-04, ..., 9.9999e-01, 9.
9999e-01,
8950 9.9999e-01], grad_fn=<Unique2Backward0>)
8951 92%|██████| 11/12 [00:50<00:04, 4.15s/it]print_dice: 0.6190073490142822, print_iou: 0
.44823363423347473
8952 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.7375e-04, 6.
1423e-04, 6.3487e-04, ..., 9.9999e-01, 9.9999e-01,
8953 9.9999e-01], grad_fn=<Unique2Backward0>)
8954 print_dice: 0.5889907479286194, print_iou: 0.41742515563964844
8955 [11/12] eta: 0:00:04 time: 4.5296 data: 0.4020
8956 100%|██████| 12/12 [00:54<00:00, 4.58s/it]
8957 Total time: 0:00:54 (4.5775 s / it)
8958 =====
8959 Averaged stats:
8960 epoch: 48 learning rate: 1e-08
8961 Epoch 48/499: 1%|██████| 1/160 [00:10<27:51, 10.51s/it]print_dice: 0.5609409213066101
, print_iou: 0.38979703187942505
8962 [ 0/160] eta: 0:28:02 time: 10.5126 data: 4.1080
8963 print_dice: 0.5280267596244812, print_iou: 0.3587203621864319
8964 Epoch 48/499: 2%|██████| 3/160 [00:22<18:42, 7.15s/it]print_dice: 0.5109193325042725
, print_iou: 0.343110591173172
8965 Epoch 48/499: 2%|██████| 4/160 [00:29<17:32, 6.75s/it]print_dice: 0.5484604835510254
, print_iou: 0.37784743309020996

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8966 Epoch 48/499: 3%|█          | 5/160 [00:35<16:52, 6.53s/it]print_dice: 0.5165191292762756
, print_iou: 0.34818053245544434
8967 Epoch 48/499: 4%|█          | 6/160 [00:41<16:25, 6.40s/it]print_dice: 0.5085142850875854
, print_iou: 0.340944766998291
8968 print_dice: 0.4918000102043152, print_iou: 0.32608407735824585
8969 Epoch 48/499: 5%|█          | 8/160 [00:53<15:51, 6.26s/it]print_dice: 0.5974023938179016
, print_iou: 0.42592573165893555
8970 Epoch 48/499: 6%|█          | 9/160 [00:59<15:44, 6.25s/it]print_dice: 0.4808129370212555
, print_iou: 0.31649357080459595
8971 Epoch 48/499: 6%|█          | 10/160 [01:06<15:43, 6.29s/it]print_dice: 0.5315075516700745
, print_iou: 0.3619409203529358
8972 print_dice: 0.5693281292915344, print_iou: 0.3979445695877075
8973 Epoch 48/499: 8%|█          | 12/160 [01:18<15:31, 6.30s/it]print_dice: 0.5219587087631226
, print_iou: 0.3531422019004822
8974 print_dice: 0.5893945097923279, print_iou: 0.41783082485198975
8975 Epoch 48/499: 9%|█          | 14/160 [01:31<15:21, 6.31s/it]print_dice: 0.6163687705993652
, print_iou: 0.445471853017807
8976 Epoch 48/499: 9%|█          | 15/160 [01:37<15:08, 6.27s/it]print_dice: 0.5434905290603638
, print_iou: 0.3731458783149719
8977 Epoch 48/499: 10%|█         | 16/160 [01:43<14:58, 6.24s/it]print_dice: 0.5896877646446228
, print_iou: 0.4181256890296936
8978 Epoch 48/499: 11%|█         | 17/160 [01:49<14:50, 6.23s/it]print_dice: 0.5926184058189392
, print_iou: 0.42107871174812317
8979 Epoch 48/499: 11%|█         | 18/160 [01:56<14:40, 6.20s/it]print_dice: 0.5657161474227905
, print_iou: 0.39442411065101624
8980 print_dice: 0.5062832236289978, print_iou: 0.33894190192222595
8981 Epoch 48/499: 12%|█         | 20/160 [02:08<14:20, 6.15s/it]print_dice: 0.5647987127304077
, print_iou: 0.39353275299072266
8982 print_dice: 0.587152898311615, print_iou: 0.4155813157558441
8983 Epoch 48/499: 14%|█         | 22/160 [02:20<14:11, 6.17s/it]print_dice: 0.5411825180053711
, print_iou: 0.3709734380245209
8984 Epoch 48/499: 14%|█         | 23/160 [02:26<14:01, 6.14s/it]print_dice: 0.5854178071022034
, print_iou: 0.413845032453537
8985 Epoch 48/499: 15%|█         | 24/160 [02:32<13:56, 6.15s/it]print_dice: 0.5577630400657654
, print_iou: 0.38673463463783264
8986 Epoch 48/499: 16%|█         | 25/160 [02:39<13:50, 6.15s/it]print_dice: 0.5819382071495056
, print_iou: 0.4103757441043854
8987 Epoch 48/499: 16%|█         | 26/160 [02:45<13:45, 6.16s/it]print_dice: 0.5095956921577454
, print_iou: 0.3419177532196045
8988 Epoch 48/499: 17%|█         | 27/160 [02:51<13:44, 6.20s/it]print_dice: 0.5699008703231812
, print_iou: 0.39850443601608276
8989 Epoch 48/499: 18%|█         | 28/160 [02:57<13:43, 6.24s/it]print_dice: 0.6491013169288635
, print_iou: 0.4804958999156952
8990 Epoch 48/499: 18%|█         | 29/160 [03:04<13:33, 6.21s/it]print_dice: 0.4966644048690796
, print_iou: 0.33037495613098145
8991 Epoch 48/499: 19%|█         | 30/160 [03:10<13:28, 6.22s/it]print_dice: 0.5989028811454773
, print_iou: 0.42745277285575867
8992 Epoch 48/499: 19%|█         | 31/160 [03:16<13:19, 6.20s/it]print_dice: 0.5318248867988586
, print_iou: 0.36223530769348145
8993 print_dice: 0.4701935350894928, print_iou: 0.3073548972606659
8994 Epoch 48/499: 21%|█         | 33/160 [03:28<13:09, 6.21s/it]print_dice: 0.5120749473571777
, print_iou: 0.3441537320613861
8995 Epoch 48/499: 21%|█         | 34/160 [03:34<12:58, 6.18s/it]print_dice: 0.5186665058135986
, print_iou: 0.35013484954833984
8996 Epoch 48/499: 22%|█         | 35/160 [03:41<12:55, 6.21s/it]print_dice: 0.5663447976112366
, print_iou: 0.39503559470176697
8997 Epoch 48/499: 22%|█         | 36/160 [03:47<12:46, 6.18s/it]print_dice: 0.5439841151237488
, print_iou: 0.3736114203929901
8998 Epoch 48/499: 23%|█         | 37/160 [03:53<12:38, 6.16s/it]print_dice: 0.5080973505973816
, print_iou: 0.3405700623989105
8999 Epoch 48/499: 24%|█         | 38/160 [03:59<12:29, 6.15s/it]print_dice: 0.5542581677436829
, print_iou: 0.38337287306785583
9000 Epoch 48/499: 24%|█         | 39/160 [04:05<12:26, 6.17s/it]print_dice: 0.4671300947666168
, print_iou: 0.30474215745925903
9001 Epoch 48/499: 25%|█         | 40/160 [04:11<12:20, 6.17s/it]print_dice: 0.6075063347816467
, print_iou: 0.43627220392227173
9002 Epoch 48/499: 26%|█         | 41/160 [04:18<12:19, 6.21s/it]print_dice: 0.6063535809516907
, print_iou: 0.4350842535495758
9003 Epoch 48/499: 26%|█         | 42/160 [04:24<12:15, 6.24s/it]print_dice: 0.5396485328674316

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9003 , print_iou: 0.3695333003997803
9004 print_dice: 0.49631211161613464, print_iou: 0.33006325364112854
9005 Epoch 48/499: 28%|██████| 44/160 [04:36<11:58, 6.20s/it]print_dice: 0.4897189438343048
, print_iou: 0.3242568373680115
9006 Epoch 48/499: 28%|██████| 45/160 [04:43<11:53, 6.21s/it]print_dice: 0.6155837178230286
, print_iou: 0.4446521997451782
9007 Epoch 48/499: 29%|██████| 46/160 [04:49<11:49, 6.22s/it]print_dice: 0.5469202995300293
, print_iou: 0.37638700008392334
9008 Epoch 48/499: 29%|██████| 47/160 [04:55<11:39, 6.19s/it]print_dice: 0.5557765364646912
, print_iou: 0.38482728600502014
9009 Epoch 48/499: 30%|██████| 48/160 [05:01<11:30, 6.17s/it]print_dice: 0.582721471786499
, print_iou: 0.41115522384643555
9010 Epoch 48/499: 31%|██████| 49/160 [05:07<11:30, 6.22s/it]print_dice: 0.528336226940155
, print_iou: 0.35900604724884033
9011 Epoch 48/499: 31%|██████| 50/160 [05:14<11:21, 6.20s/it]print_dice: 0.5613069534301758
, print_iou: 0.39015063643455505
9012 Epoch 48/499: 32%|██████| 51/160 [05:20<11:17, 6.21s/it]print_dice: 0.5172376036643982
, print_iou: 0.34883376955986023
9013 Epoch 48/499: 32%|██████| 52/160 [05:26<11:11, 6.22s/it]print_dice: 0.4815867841243744
, print_iou: 0.31716451048851013
9014 Epoch 48/499: 33%|██████| 53/160 [05:32<11:02, 6.19s/it]print_dice: 0.
44419407844543457, print_iou: 0.2855073809623718
9015 Epoch 48/499: 34%|██████| 54/160 [05:38<10:57, 6.20s/it]print_dice: 0.5646209716796875
, print_iou: 0.3933602273464203
9016 Epoch 48/499: 34%|██████| 55/160 [05:45<10:50, 6.20s/it]print_dice: 0.5039457082748413
, print_iou: 0.3368498682975769
9017 Epoch 48/499: 35%|██████| 56/160 [05:51<10:42, 6.18s/it]print_dice: 0.
47172093391418457, print_iou: 0.3086615204811096
9018 Epoch 48/499: 36%|██████| 57/160 [05:57<10:33, 6.15s/it]print_dice: 0.
47812968492507935, print_iou: 0.3141724467277527
9019 Epoch 48/499: 36%|██████| 58/160 [06:03<10:27, 6.15s/it]print_dice: 0.
46553507447242737, print_iou: 0.3033859133720398
9020 print_dice: 0.5389754772186279, print_iou: 0.36890244483947754
9021 Epoch 48/499: 38%|██████| 60/160 [06:15<10:18, 6.18s/it]print_dice: 0.5312997102737427
, print_iou: 0.36174821853637695
9022 print_dice: 0.4570064842700958, print_iou: 0.29618170857429504
9023 Epoch 48/499: 39%|██████| 62/160 [06:28<10:05, 6.18s/it]print_dice: 0.5204688310623169
, print_iou: 0.3517795503139496
9024 Epoch 48/499: 39%|██████| 63/160 [06:34<09:58, 6.17s/it]print_dice: 0.
44786351919174194, print_iou: 0.28854647278785706
9025 Epoch 48/499: 40%|██████| 64/160 [06:40<09:53, 6.18s/it]print_dice: 0.5081109404563904
, print_iou: 0.3405822813510895
9026 Epoch 48/499: 41%|██████| 65/160 [06:46<09:47, 6.19s/it]print_dice: 0.575543224811554
, print_iou: 0.4040440022945404
9027 Epoch 48/499: 41%|██████| 66/160 [06:53<09:41, 6.19s/it]print_dice: 0.5474483966827393
, print_iou: 0.37688741087913513
9028 Epoch 48/499: 42%|██████| 67/160 [06:59<09:37, 6.21s/it]print_dice: 0.
49067237973213196, print_iou: 0.3250933587551117
9029 print_dice: 0.4633128046989441, print_iou: 0.3015010356903076
9030 Epoch 48/499: 43%|██████| 69/160 [07:11<09:26, 6.23s/it]print_dice: 0.4655529856681824
, print_iou: 0.3034011423587799
9031 Epoch 48/499: 44%|██████| 70/160 [07:18<09:21, 6.24s/it]print_dice: 0.5817220211029053
, print_iou: 0.41016077995300293
9032 print_dice: 0.49229490756988525, print_iou: 0.3265193700790405
9033 Epoch 48/499: 45%|██████| 72/160 [07:30<09:04, 6.19s/it]print_dice: 0.566387414932251
, print_iou: 0.39507701992988586
9034 Epoch 48/499: 46%|██████| 73/160 [07:36<08:58, 6.18s/it]print_dice: 0.4943585693836212
, print_iou: 0.32833752036094666
9035 Epoch 48/499: 46%|██████| 74/160 [07:42<08:52, 6.19s/it]print_dice: 0.5385260581970215
, print_iou: 0.36848148703575134
9036 Epoch 48/499: 47%|██████| 75/160 [07:48<08:44, 6.18s/it]print_dice: 0.6023905277252197
, print_iou: 0.43101492524147034
9037 Epoch 48/499: 48%|██████| 76/160 [07:55<08:41, 6.21s/it]print_dice: 0.4974910318851471
, print_iou: 0.33110687136650085
9038 Epoch 48/499: 48%|██████| 77/160 [08:01<08:34, 6.20s/it]print_dice: 0.5391361713409424
, print_iou: 0.36905303597450256
9039 Epoch 48/499: 49%|██████| 78/160 [08:07<08:25, 6.17s/it]print_dice: 0.5656211972236633
, print_iou: 0.39433184266090393
9040 Epoch 48/499: 49%|██████| 79/160 [08:13<08:23, 6.21s/it]print_dice: 0.600741446018219

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9040 , print_iou: 0.42932841181755066
9041 print_dice: 0.44767916202545166, print_iou: 0.28839346766471863
9042 Epoch 48/499: 51%|██████| 81/160 [08:26<08:07, 6.17s/it]print_dice: 0.5092520713806152
, print_iou: 0.3416084051132202
9043 Epoch 48/499: 51%|██████| 82/160 [08:32<07:59, 6.15s/it]print_dice: 0.5525599122047424
, print_iou: 0.3817497789859772
9044 Epoch 48/499: 52%|██████| 83/160 [08:38<08:00, 6.24s/it]print_dice: 0.5826998353004456
, print_iou: 0.41113364696502686
9045 Epoch 48/499: 52%|██████| 84/160 [08:44<07:54, 6.24s/it]print_dice: 0.435369610786438
, print_iou: 0.2782571613788605
9046 Epoch 48/499: 53%|██████| 85/160 [08:50<07:45, 6.21s/it]print_dice: 0.5269986391067505
, print_iou: 0.35777199268341064
9047 Epoch 48/499: 54%|██████| 86/160 [08:57<07:37, 6.18s/it]print_dice: 0.5944862365722656
, print_iou: 0.42296722531318665
9048 Epoch 48/499: 54%|██████| 87/160 [09:03<07:33, 6.22s/it]print_dice: 0.5466066002845764
, print_iou: 0.3760899007320404
9049 Epoch 48/499: 55%|██████| 88/160 [09:09<07:28, 6.23s/it]print_dice: 0.5412106513977051
, print_iou: 0.37099990248680115
9050 Epoch 48/499: 56%|██████| 89/160 [09:15<07:19, 6.19s/it]print_dice: 0.5353736877441406
, print_iou: 0.36553603410720825
9051 Epoch 48/499: 56%|██████| 90/160 [09:21<07:14, 6.20s/it]print_dice: 0.5241180658340454
, print_iou: 0.3551219701766968
9052 print_dice: 0.4752189517021179, print_iou: 0.31166374683380127
9053 Epoch 48/499: 57%|██████| 92/160 [09:34<07:06, 6.26s/it]print_dice: 0.5140198469161987
, print_iou: 0.34591302275657654
9054 Epoch 48/499: 58%|██████| 93/160 [09:40<06:55, 6.21s/it]print_dice: 0.5511910319328308
, print_iou: 0.3804442584514618
9055 print_dice: 0.5407503843307495, print_iou: 0.3705674707889557
9056 Epoch 48/499: 59%|██████| 95/160 [09:53<06:43, 6.21s/it]print_dice: 0.5653465390205383
, print_iou: 0.39406487345695496
9057 Epoch 48/499: 60%|██████| 96/160 [09:59<06:36, 6.20s/it]print_dice: 0.5127122402191162
, print_iou: 0.3447296917438507
9058 Epoch 48/499: 61%|██████| 97/160 [10:05<06:28, 6.17s/it]print_dice: 0.5176610350608826
, print_iou: 0.34921908378601074
9059 Epoch 48/499: 61%|██████| 98/160 [10:11<06:24, 6.20s/it]print_dice: 0.562041699886322
, print_iou: 0.390860915184021
9060 Epoch 48/499: 62%|██████| 99/160 [10:17<06:16, 6.17s/it]print_dice: 0.5339773893356323
, print_iou: 0.36423546075820923
9061 Epoch 48/499: 62%|██████| 100/160 [10:23<06:09, 6.16s/it]print_dice: 0.
5019559264183044, print_iou: 0.33507421612739563
9062 Epoch 48/499: 63%|██████| 101/160 [10:30<06:05, 6.19s/it]print_dice: 0.
5615661144256592, print_iou: 0.39040106534957886
9063 [100/160] eta: 0:06:14 time: 6.2062 data: 0.0005
9064 print_dice: 0.5479498505592346, print_iou: 0.3773628771305084
9065 Epoch 48/499: 64%|██████| 103/160 [10:42<05:52, 6.19s/it]print_dice: 0.
5521474480628967, print_iou: 0.3813561499118805
9066 Epoch 48/499: 65%|██████| 104/160 [10:48<05:45, 6.17s/it]print_dice: 0.
5161693096160889, print_iou: 0.3478626608848572
9067 print_dice: 0.5825715661048889, print_iou: 0.41100597381591797
9068 Epoch 48/499: 66%|██████| 106/160 [11:01<05:36, 6.23s/it]print_dice: 0.
5468674302101135, print_iou: 0.376336932182312
9069 Epoch 48/499: 67%|██████| 107/160 [11:07<05:29, 6.21s/it]print_dice: 0.
5409273505210876, print_iou: 0.3707336485385895
9070 Epoch 48/499: 68%|██████| 108/160 [11:13<05:22, 6.21s/it]print_dice: 0.
5929163694381714, print_iou: 0.42137962579727173
9071 print_dice: 0.5865882635116577, print_iou: 0.41501584649086
9072 Epoch 48/499: 69%|██████| 110/160 [11:26<05:15, 6.31s/it]print_dice: 0.
5254420638084412, print_iou: 0.3563387095928192
9073 Epoch 48/499: 69%|██████| 111/160 [11:32<05:08, 6.29s/it]print_dice: 0.
5578942894935608, print_iou: 0.3868608772754669
9074 print_dice: 0.505598783493042, print_iou: 0.33832865953445435
9075 Epoch 48/499: 71%|██████| 113/160 [11:45<04:54, 6.26s/it]print_dice: 0.
49182531237602234, print_iou: 0.32610633969306946
9076 Epoch 48/499: 71%|██████| 114/160 [11:51<04:46, 6.23s/it]print_dice: 0.
5384137034416199, print_iou: 0.3683762550354004
9077 Epoch 48/499: 72%|██████| 115/160 [11:57<04:38, 6.20s/it]print_dice: 0.
5425699353218079, print_iou: 0.3722785413265228
9078 Epoch 48/499: 72%|██████| 116/160 [12:03<04:32, 6.19s/it]print_dice: 0.
4993608891963959, print_iou: 0.33276546001434326

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9079 print_dice: 0.5525823831558228, print_iou: 0.3817712366580963
9080 Epoch 48/499: 74%|██████████| 118/160 [12:16<04:19, 6.17s/it]print_dice: 0.519058346748352
, print_iou: 0.35049208998680115
9081 Epoch 48/499: 74%|██████████| 119/160 [12:22<04:15, 6.23s/it]print_dice: 0.
4980192482471466, print_iou: 0.3315749764442444
9082 print_dice: 0.5470311641693115, print_iou: 0.3764920234680176
9083 Epoch 48/499: 76%|██████████| 121/160 [12:34<04:04, 6.27s/it]print_dice: 0.
5667653679847717, print_iou: 0.3954448997974396
9084 print_dice: 0.44674134254455566, print_iou: 0.2876155376434326
9085 Epoch 48/499: 77%|██████████| 123/160 [12:47<03:50, 6.23s/it]print_dice: 0.
4974503219127655, print_iou: 0.33107078075408936
9086 Epoch 48/499: 78%|██████████| 124/160 [12:53<03:45, 6.26s/it]print_dice: 0.
5080881714820862, print_iou: 0.34056180715560913
9087 Epoch 48/499: 78%|██████████| 125/160 [12:59<03:38, 6.23s/it]print_dice: 0.
4727165102958679, print_iou: 0.309514582157135
9088 print_dice: 0.43008387088775635, print_iou: 0.2739534080028534
9089 Epoch 48/499: 79%|██████████| 127/160 [13:12<03:27, 6.28s/it]print_dice: 0.
5617803335189819, print_iou: 0.39060816168785095
9090 Epoch 48/499: 80%|██████████| 128/160 [13:18<03:19, 6.22s/it]print_dice: 0.
4885425567626953, print_iou: 0.3232261538505554
9091 print_dice: 0.5643378496170044, print_iou: 0.39308539032936096
9092 Epoch 48/499: 81%|██████████| 130/160 [13:30<03:05, 6.20s/it]print_dice: 0.
4816775321960449, print_iou: 0.3172432482242584
9093 Epoch 48/499: 82%|██████████| 131/160 [13:37<03:01, 6.24s/it]print_dice: 0.
5161123275756836, print_iou: 0.34781092405319214
9094 Epoch 48/499: 82%|██████████| 132/160 [13:43<02:55, 6.28s/it]print_dice: 0.
5116627812385559, print_iou: 0.3437815010547638
9095 Epoch 48/499: 83%|██████████| 133/160 [13:49<02:48, 6.22s/it]print_dice: 0.
6248494982719421, print_iou: 0.45438629388809204
9096 print_dice: 0.5073724389076233, print_iou: 0.33991900086402893
9097 Epoch 48/499: 84%|██████████| 135/160 [14:02<02:35, 6.22s/it]print_dice: 0.
48477205634117126, print_iou: 0.3199334442615509
9098 Epoch 48/499: 85%|██████████| 136/160 [14:08<02:29, 6.23s/it]print_dice: 0.
4543498754501343, print_iou: 0.29395389556884766
9099 print_dice: 0.5400225520133972, print_iou: 0.3698841631412506
9100 Epoch 48/499: 86%|██████████| 138/160 [14:20<02:16, 6.21s/it]print_dice: 0.
4759417772293091, print_iou: 0.312285840511322
9101 Epoch 48/499: 87%|██████████| 139/160 [14:27<02:10, 6.23s/it]print_dice: 0.564665675163269
, print_iou: 0.3934035897254944
9102 print_dice: 0.5484492182731628, print_iou: 0.37783676385879517
9103 Epoch 48/499: 88%|██████████| 141/160 [14:39<01:57, 6.19s/it]print_dice: 0.
4171745479106903, print_iou: 0.26356321573257446
9104 Epoch 48/499: 89%|██████████| 142/160 [14:45<01:52, 6.25s/it]print_dice: 0.
5276371240615845, print_iou: 0.35836079716682434
9105 Epoch 48/499: 89%|██████████| 143/160 [14:52<01:46, 6.28s/it]print_dice: 0.
5370795130729675, print_iou: 0.36712831258773804
9106 print_dice: 0.4203660488128662, print_iou: 0.26611611247062683
9107 Epoch 48/499: 91%|██████████| 145/160 [15:04<01:33, 6.20s/it]print_dice: 0.
44528982043266296, print_iou: 0.28641337156295776
9108 print_dice: 0.6183836460113525, print_iou: 0.44757983088493347
9109 Epoch 48/499: 92%|██████████| 147/160 [15:17<01:21, 6.27s/it]print_dice: 0.
5562880635261536, print_iou: 0.38531792163848877
9110 print_dice: 0.5366673469543457, print_iou: 0.3667432367801666
9111 Epoch 48/499: 93%|██████████| 149/160 [15:29<01:08, 6.22s/it]print_dice: 0.
47420963644981384, print_iou: 0.3107960522174835
9112 Epoch 48/499: 94%|██████████| 150/160 [15:35<01:01, 6.19s/it]print_dice: 0.
5530016422271729, print_iou: 0.3821716010570526
9113 Epoch 48/499: 94%|██████████| 151/160 [15:41<00:55, 6.17s/it]print_dice: 0.
5320645570755005, print_iou: 0.3624577522277832
9114 print_dice: 0.46090957522392273, print_iou: 0.2994687855243683
9115 Epoch 48/499: 96%|██████████| 153/160 [15:54<00:43, 6.22s/it]print_dice: 0.
4909976124763489, print_iou: 0.325378954410553
9116 Epoch 48/499: 96%|██████████| 154/160 [16:00<00:37, 6.18s/it]print_dice: 0.514585018157959
, print_iou: 0.3464250862598419
9117 Epoch 48/499: 97%|██████████| 155/160 [16:06<00:30, 6.14s/it]print_dice: 0.
5034627914428711, print_iou: 0.3364185094833374
9118 Epoch 48/499: 98%|██████████| 156/160 [16:12<00:24, 6.12s/it]print_dice: 0.
5278750658035278, print_iou: 0.3585803508758545
9119 print_dice: 0.5999097228050232, print_iou: 0.4284793436527252
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9120 Epoch 48/499: 99%|██████████| 158/160 [16:24<00:12, 6.18s/it]print_dice: 0.
    5148070454597473, print_iou: 0.346626341342926
9121 Epoch 48/499: 99%|██████████| 159/160 [16:30<00:06, 6.13s/it]print_dice: 0.
    4932444989681244, print_iou: 0.32735535502433777
9122 Epoch 48/499: 100%|██████████| 160/160 [16:37<00:00, 6.15s/it]print_dice: 0.
    5307952761650085, print_iou: 0.3612806797027588
9123 [159/160] eta: 0:00:06 time: 6.1886 data: 0.0004
9124 Total time: 0:16:38 (6.2378 s / it)
9125 Averaged stats: training_loss: 12.9038 (12.9038) loss_mask: 12.7460 (12.7460) loss_dice: 0
    .1578 (0.1578)
9126 Epoch 48/499: 100%|██████████| 160/160 [16:38<00:00, 6.24s/it]
9127 Net parameter norm: 1053.840345124947
9128 Validating...
9129 Valid_data_loader len: 12
9130 0%|██████████| 0/12 [00:00<?, ?it/s]masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique
    sigmoid values: tensor([1.6554e-04, 1.7347e-04, 1.7866e-04, ..., 1.0000e+00, 1.0000e+00,
9131     1.0000e+00], grad_fn=<Unique2Backward0>)
9132 print_dice: 0.5631628036499023, print_iou: 0.39194613695144653
9133 [ 0/12] eta: 0:01:56 time: 9.6868 data: 5.5205
9134 8%|██████████| 1/12 [00:09<01:46, 9.69s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([1.8883e-04, 1.9773e-04, 1.9787e-04, ..., 1.0000e+00, 1.
    0000e+00,
9135     1.0000e+00], grad_fn=<Unique2Backward0>)
9136 17%|██████████| 2/12 [00:13<01:04, 6.42s/it]print_dice: 0.612205982208252, print_iou: 0.
    44113603234291077
9137 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2759e-04, 2.
    2807e-04, 2.3036e-04, ..., 1.0000e+00, 1.0000e+00,
9138     1.0000e+00], grad_fn=<Unique2Backward0>)
9139 25%|██████████| 3/12 [00:18<00:48, 5.42s/it]print_dice: 0.538486659526825, print_iou: 0.
    3684445917606354
9140 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2765e-04, 2.
    2811e-04, 2.2999e-04, ..., 1.0000e+00, 1.0000e+00,
9141     1.0000e+00], grad_fn=<Unique2Backward0>)
9142 33%|██████████| 4/12 [00:22<00:39, 4.91s/it]print_dice: 0.5307649374008179, print_iou: 0.
    3612525761127472
9143 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.4143e-04, 6.
    9274e-04, 7.1002e-04, ..., 9.9998e-01, 9.9998e-01,
9144     9.9998e-01], grad_fn=<Unique2Backward0>)
9145 print_dice: 0.5830519199371338, print_iou: 0.41148433089256287
9146 42%|██████████| 5/12 [00:26<00:32, 4.62s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([1.2576e-04, 1.2709e-04, 1.2929e-04, ..., 1.0000e+00, 1.
    0000e+00,
9147     1.0000e+00], grad_fn=<Unique2Backward0>)
9148 print_dice: 0.515527606010437, print_iou: 0.34727999567985535
9149 50%|██████████| 6/12 [00:30<00:26, 4.49s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([1.8454e-04, 1.8643e-04, 1.9188e-04, ..., 1.0000e+00, 1.
    0000e+00,
9150     1.0000e+00], grad_fn=<Unique2Backward0>)
9151 print_dice: 0.4381779730319977, print_iou: 0.2805556356906891
9152 58%|██████████| 7/12 [00:34<00:21, 4.39s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([9.8351e-05, 1.0579e-04, 1.0602e-04, ..., 1.0000e+00, 1.
    0000e+00,
9153     1.0000e+00], grad_fn=<Unique2Backward0>)
9154 print_dice: 0.5523678660392761, print_iou: 0.38156646490097046
9155 67%|██████████| 8/12 [00:38<00:17, 4.31s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([2.2771e-04, 2.2820e-04, 2.3021e-04, ..., 1.0000e+00, 1.
    0000e+00,
9156     1.0000e+00], grad_fn=<Unique2Backward0>)
9157 75%|██████████| 9/12 [00:42<00:12, 4.26s/it]print_dice: 0.5696151852607727, print_iou: 0.
    3982251286506653
9158 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.8019e-04, 1.
    8571e-04, 1.8811e-04, ..., 1.0000e+00, 1.0000e+00,
9159     1.0000e+00], grad_fn=<Unique2Backward0>)
9160 print_dice: 0.5770652890205383, print_iou: 0.4055458903312683
9161 83%|██████████| 10/12 [00:47<00:08, 4.20s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([2.2770e-04, 2.2817e-04, 2.3031e-04, ..., 1.0000e+00, 1.
    0000e+00,
9162     1.0000e+00], grad_fn=<Unique2Backward0>)
9163 92%|██████████| 11/12 [00:51<00:04, 4.16s/it]print_dice: 0.6203556656837463, print_iou: 0

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9163 .4496489465236664
9164 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.8247e-04, 6.
      8417e-04, 7.2507e-04, ..., 9.9999e-01, 9.9999e-01,
9165      9.9999e-01], grad_fn=<Unique2Backward0>)
9166 100%|██████████| 12/12 [00:55<00:00, 4.11s/it]print_dice: 0.5856966972351074, print_iou: 0
      .41412386298179626
9167 [11/12] eta: 0:00:04 time: 4.5938 data: 0.4607
9168 100%|██████████| 12/12 [00:55<00:00, 4.63s/it]
9169 Total time: 0:00:55 (4.6261 s / it)
9170 =====
9171 Averaged stats:
9172 epoch: 49 learning rate: 1e-08
9173 Epoch 49/499: 1%|██████████| 1/160 [00:10<27:51, 10.51s/it]print_dice: 0.4745640754699707
      , print_iou: 0.31110063195228577
9174 [ 0/160] eta: 0:28:01 time: 10.5104 data: 4.2366
9175 Epoch 49/499: 1%|██████████| 2/160 [00:16<21:05, 8.01s/it]print_dice: 0.5739896893501282
      , print_iou: 0.40251436829566956
9176 Epoch 49/499: 2%|██████████| 3/160 [00:22<18:42, 7.15s/it]print_dice: 0.5066905617713928
      , print_iou: 0.33930712938308716
9177 print_dice: 0.5178407430648804, print_iou: 0.3493826985359192
9178 Epoch 49/499: 3%|██████████| 5/160 [00:35<17:04, 6.61s/it]print_dice: 0.4781245291233063
      , print_iou: 0.31416797637939453
9179 print_dice: 0.559414267539978, print_iou: 0.38832417130470276
9180 Epoch 49/499: 4%|██████████| 7/160 [00:47<16:13, 6.37s/it]print_dice: 0.5146782994270325
      , print_iou: 0.3465096354484558
9181 Epoch 49/499: 5%|██████████| 8/160 [00:53<15:56, 6.29s/it]print_dice: 0.6195830702781677
      , print_iou: 0.44883760809898376
9182 Epoch 49/499: 6%|██████████| 9/160 [01:00<15:47, 6.27s/it]print_dice: 0.4754103720188141
      , print_iou: 0.3118284344673157
9183 Epoch 49/499: 6%|██████████| 10/160 [01:06<15:42, 6.28s/it]print_dice: 0.5040059089660645
      , print_iou: 0.3369036614894867
9184 Epoch 49/499: 7%|██████████| 11/160 [01:12<15:32, 6.26s/it]print_dice: 0.5579350590705872
      , print_iou: 0.3869000971317291
9185 print_dice: 0.5347132682800293, print_iou: 0.36492055654525757
9186 Epoch 49/499: 8%|██████████| 13/160 [01:24<15:12, 6.20s/it]print_dice: 0.
      49135109782218933, print_iou: 0.32568949460983276
9187 print_dice: 0.5591191053390503, print_iou: 0.3880397379398346
9188 Epoch 49/499: 9%|██████████| 15/160 [01:37<15:02, 6.22s/it]print_dice: 0.5818464756011963
      , print_iou: 0.41028451919555664
9189 Epoch 49/499: 10%|██████████| 16/160 [01:43<14:55, 6.22s/it]print_dice: 0.536377489566803
      , print_iou: 0.3664725720882416
9190 Epoch 49/499: 11%|██████████| 17/160 [01:49<14:49, 6.22s/it]print_dice: 0.5624419450759888
      , print_iou: 0.3912481367588043
9191 print_dice: 0.4671517014503479, print_iou: 0.30476054549217224
9192 Epoch 49/499: 12%|██████████| 19/160 [02:02<14:38, 6.23s/it]print_dice: 0.4848996102809906
      , print_iou: 0.32004454731941223
9193 print_dice: 0.5053101778030396, print_iou: 0.338070273399353
9194 Epoch 49/499: 13%|██████████| 21/160 [02:14<14:26, 6.23s/it]print_dice: 0.4783831536769867
      , print_iou: 0.3143913149833679
9195 Epoch 49/499: 14%|██████████| 22/160 [02:21<14:21, 6.24s/it]print_dice: 0.4296651780605316
      , print_iou: 0.27361375093460083
9196 Epoch 49/499: 14%|██████████| 23/160 [02:27<14:12, 6.22s/it]print_dice: 0.
      49028918147087097, print_iou: 0.32475700974464417
9197 Epoch 49/499: 15%|██████████| 24/160 [02:33<14:03, 6.20s/it]print_dice: 0.520802915096283
      , print_iou: 0.3520849049091339
9198 Epoch 49/499: 16%|██████████| 25/160 [02:39<13:58, 6.21s/it]print_dice: 0.5165039300918579
      , print_iou: 0.34816670417785645
9199 Epoch 49/499: 16%|██████████| 26/160 [02:45<13:54, 6.23s/it]print_dice: 0.4919419288635254
      , print_iou: 0.32620885968208313
9200 Epoch 49/499: 17%|██████████| 27/160 [02:52<13:46, 6.21s/it]print_dice: 0.
      45779258012771606, print_iou: 0.29684242606163025
9201 Epoch 49/499: 18%|██████████| 28/160 [02:58<13:36, 6.18s/it]print_dice: 0.5318806171417236
      , print_iou: 0.3622870445251465
9202 Epoch 49/499: 18%|██████████| 29/160 [03:04<13:29, 6.18s/it]print_dice: 0.5848714709281921
      , print_iou: 0.41329920291900635
9203 Epoch 49/499: 19%|██████████| 30/160 [03:10<13:26, 6.20s/it]print_dice: 0.5877370834350586
      , print_iou: 0.41616687178611755
9204 Epoch 49/499: 19%|██████████| 31/160 [03:16<13:18, 6.19s/it]print_dice: 0.442899614572525
      , print_iou: 0.28443869948387146

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9205 Epoch 49/499: 20%|██████| 32/160 [03:22<13:10, 6.18s/it]print_dice: 0.
    49925363063812256, print_iou: 0.3326702117919922
9206 print_dice: 0.5007190704345703, print_iou: 0.3339728116989136
9207 Epoch 49/499: 21%|██████| 34/160 [03:35<13:02, 6.21s/it]print_dice: 0.5444047451019287
    , print_iou: 0.37400829792022705
9208 Epoch 49/499: 22%|██████| 35/160 [03:41<12:56, 6.21s/it]print_dice: 0.
    44465985894203186, print_iou: 0.2858923673629761
9209 Epoch 49/499: 22%|██████| 36/160 [03:48<12:58, 6.28s/it]print_dice: 0.5255282521247864
    , print_iou: 0.3564179837703705
9210 Epoch 49/499: 23%|██████| 37/160 [03:54<12:49, 6.26s/it]print_dice: 0.5026770234107971
    , print_iou: 0.33571717143058777
9211 Epoch 49/499: 24%|██████| 38/160 [04:00<12:38, 6.22s/it]print_dice: 0.5133247375488281
    , print_iou: 0.34528371691703796
9212 print_dice: 0.5605099201202393, print_iou: 0.38938087224960327
9213 Epoch 49/499: 25%|██████| 40/160 [04:12<12:21, 6.18s/it]print_dice: 0.5944077968597412
    , print_iou: 0.42288780212402344
9214 print_dice: 0.5105010867118835, print_iou: 0.3427334725856781
9215 Epoch 49/499: 26%|██████| 42/160 [04:25<12:08, 6.17s/it]print_dice: 0.5638948678970337
    , print_iou: 0.39265573024749756
9216 Epoch 49/499: 27%|██████| 43/160 [04:31<12:00, 6.16s/it]print_dice: 0.5258622169494629
    , print_iou: 0.3567252457141876
9217 print_dice: 0.5040130019187927, print_iou: 0.3369100093841553
9218 Epoch 49/499: 28%|██████| 45/160 [04:43<11:49, 6.17s/it]print_dice: 0.4997570216655731
    , print_iou: 0.33311739563941956
9219 Epoch 49/499: 29%|██████| 46/160 [04:49<11:46, 6.20s/it]print_dice: 0.6042605042457581
    , print_iou: 0.43293213844299316
9220 print_dice: 0.5639486312866211, print_iou: 0.39270782470703125
9221 Epoch 49/499: 30%|██████| 48/160 [05:02<11:32, 6.18s/it]print_dice: 0.5197978019714355
    , print_iou: 0.3511667549610138
9222 print_dice: 0.526688814163208, print_iou: 0.3574864864349365
9223 Epoch 49/499: 31%|██████| 50/160 [05:14<11:21, 6.20s/it]print_dice: 0.
    48860856890678406, print_iou: 0.32328394055366516
9224 Epoch 49/499: 32%|██████| 51/160 [05:20<11:17, 6.21s/it]print_dice: 0.5507722496986389
    , print_iou: 0.3800453543663025
9225 print_dice: 0.5349532961845398, print_iou: 0.36514419317245483
9226 Epoch 49/499: 33%|██████| 53/160 [05:33<11:00, 6.17s/it]print_dice: 0.5580069422721863
    , print_iou: 0.3869692087173462
9227 Epoch 49/499: 34%|██████| 54/160 [05:39<10:56, 6.19s/it]print_dice: 0.5019447207450867
    , print_iou: 0.33506420254707336
9228 Epoch 49/499: 34%|██████| 55/160 [05:45<10:50, 6.19s/it]print_dice: 0.463920921087265
    , print_iou: 0.30201631784439087
9229 Epoch 49/499: 35%|██████| 56/160 [05:51<10:42, 6.18s/it]print_dice: 0.5491685271263123
    , print_iou: 0.3785198926925659
9230 Epoch 49/499: 36%|██████| 57/160 [05:57<10:37, 6.19s/it]print_dice: 0.5161870718002319
    , print_iou: 0.3478788137435913
9231 print_dice: 0.44908857345581055, print_iou: 0.289564311504364
9232 Epoch 49/499: 37%|██████| 59/160 [06:10<10:24, 6.18s/it]print_dice: 0.540730893611908
    , print_iou: 0.37054911255836487
9233 Epoch 49/499: 38%|██████| 60/160 [06:16<10:19, 6.20s/it]print_dice: 0.5977901816368103
    , print_iou: 0.42632007598876953
9234 Epoch 49/499: 38%|██████| 61/160 [06:22<10:16, 6.23s/it]print_dice: 0.5946961641311646
    , print_iou: 0.4231798052787781
9235 print_dice: 0.5055992603302002, print_iou: 0.33832913637161255
9236 Epoch 49/499: 39%|██████| 63/160 [06:34<09:59, 6.18s/it]print_dice: 0.5822773575782776
    , print_iou: 0.4107131361961365
9237 Epoch 49/499: 40%|██████| 64/160 [06:41<09:53, 6.18s/it]print_dice: 0.608248770236969
    , print_iou: 0.437038391828537
9238 Epoch 49/499: 41%|██████| 65/160 [06:47<09:50, 6.22s/it]print_dice: 0.5322017073631287
    , print_iou: 0.36258506774902344
9239 Epoch 49/499: 41%|██████| 66/160 [06:53<09:43, 6.21s/it]print_dice: 0.5470478534698486
    , print_iou: 0.37650781869888306
9240 Epoch 49/499: 42%|██████| 67/160 [06:59<09:37, 6.21s/it]print_dice: 0.5598349571228027
    , print_iou: 0.38872969150543213
9241 Epoch 49/499: 42%|██████| 68/160 [07:06<09:31, 6.21s/it]print_dice: 0.538879930973053
    , print_iou: 0.3688128888607025
9242 print_dice: 0.5646675825119019, print_iou: 0.3934054374694824
9243 Epoch 49/499: 44%|██████| 70/160 [07:18<09:19, 6.22s/it]print_dice: 0.543753981590271
    , print_iou: 0.37339431047439575
9244 print_dice: 0.5336073637008667, print_iou: 0.36389121413230896
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9245 Epoch 49/499: 45%|██████| 72/160 [07:30<09:07, 6.22s/it]print_dice: 0.5262576937675476
, print_iou: 0.3570893406867981
9246 Epoch 49/499: 46%|██████| 73/160 [07:37<09:02, 6.24s/it]print_dice: 0.5999951362609863
, print_iou: 0.42856645584106445
9247 Epoch 49/499: 46%|██████| 74/160 [07:43<08:55, 6.22s/it]print_dice: 0.5125492215156555
, print_iou: 0.34458228945732117
9248 print_dice: 0.5252324342727661, print_iou: 0.3561459183692932
9249 Epoch 49/499: 48%|██████| 76/160 [07:55<08:40, 6.19s/it]print_dice: 0.5875288844108582
, print_iou: 0.41595813632011414
9250 print_dice: 0.5395328402519226, print_iou: 0.36942481994628906
9251 Epoch 49/499: 49%|██████| 78/160 [08:08<08:23, 6.14s/it]print_dice: 0.5253214836120605
, print_iou: 0.3562278151512146
9252 print_dice: 0.49850162863731384, print_iou: 0.33200278878211975
9253 Epoch 49/499: 50%|██████| 80/160 [08:20<08:12, 6.16s/it]print_dice: 0.
48103564977645874, print_iou: 0.31668660044670105
9254 Epoch 49/499: 51%|██████| 81/160 [08:26<08:07, 6.17s/it]print_dice: 0.
48956528306007385, print_iou: 0.3241221010684967
9255 Epoch 49/499: 51%|██████| 82/160 [08:32<08:06, 6.23s/it]print_dice: 0.4756318926811218
, print_iou: 0.3120190501213074
9256 print_dice: 0.4936271011829376, print_iou: 0.32769250869750977
9257 Epoch 49/499: 52%|██████| 84/160 [08:45<07:52, 6.22s/it]print_dice: 0.4786452651023865
, print_iou: 0.314617782831192
9258 Epoch 49/499: 53%|██████| 85/160 [08:51<07:46, 6.23s/it]print_dice: 0.510855495929718
, print_iou: 0.34305301308631897
9259 Epoch 49/499: 54%|██████| 86/160 [08:57<07:40, 6.23s/it]print_dice: 0.5097478032112122
, print_iou: 0.3420547544956207
9260 print_dice: 0.5720167756080627, print_iou: 0.4005766808986664
9261 Epoch 49/499: 55%|██████| 88/160 [09:10<07:29, 6.25s/it]print_dice: 0.5653977394104004
, print_iou: 0.3941146433353424
9262 Epoch 49/499: 56%|██████| 89/160 [09:16<07:23, 6.24s/it]print_dice: 0.5381350517272949
, print_iou: 0.3681154251098633
9263 Epoch 49/499: 56%|██████| 90/160 [09:22<07:16, 6.24s/it]print_dice: 0.5503870844841003
, print_iou: 0.3796786665916443
9264 Epoch 49/499: 57%|██████| 91/160 [09:29<07:10, 6.24s/it]print_dice: 0.5742409825325012
, print_iou: 0.40276163816452026
9265 print_dice: 0.4992651641368866, print_iou: 0.33268046379089355
9266 Epoch 49/499: 58%|██████| 93/160 [09:41<06:59, 6.27s/it]print_dice: 0.5500890016555786
, print_iou: 0.3793950378894806
9267 print_dice: 0.5512677431106567, print_iou: 0.3805173337459564
9268 Epoch 49/499: 59%|██████| 95/160 [09:53<06:43, 6.21s/it]print_dice: 0.4920582175254822
, print_iou: 0.3263111710548401
9269 print_dice: 0.5166028738021851, print_iou: 0.3482566177845001
9270 Epoch 49/499: 61%|██████| 97/160 [10:06<06:33, 6.25s/it]print_dice: 0.477894127368927
, print_iou: 0.31396904587745667
9271 Epoch 49/499: 61%|██████| 98/160 [10:12<06:25, 6.22s/it]print_dice: 0.546363353729248
, print_iou: 0.3758596181869507
9272 Epoch 49/499: 62%|██████| 99/160 [10:18<06:18, 6.20s/it]print_dice: 0.
46017155051231384, print_iou: 0.29884597659111023
9273 print_dice: 0.5506120324134827, print_iou: 0.3798927664756775
9274 Epoch 49/499: 63%|██████| 101/160 [10:31<06:07, 6.23s/it]print_dice: 0.
5447392463684082, print_iou: 0.37432414293289185
9275 [100/160] eta: 0:06:15 time: 6.2435 data: 0.0004
9276 Epoch 49/499: 64%|██████| 102/160 [10:37<05:59, 6.19s/it]print_dice: 0.
5473694205284119, print_iou: 0.37681254744529724
9277 Epoch 49/499: 64%|██████| 103/160 [10:43<05:51, 6.17s/it]print_dice: 0.
5376493334770203, print_iou: 0.3676609992980957
9278 Epoch 49/499: 65%|██████| 104/160 [10:49<05:45, 6.18s/it]print_dice: 0.
5674058794975281, print_iou: 0.396068811416626
9279 print_dice: 0.6009183526039124, print_iou: 0.42950913310050964
9280 Epoch 49/499: 66%|██████| 106/160 [11:02<05:32, 6.16s/it]print_dice: 0.
5771721005439758, print_iou: 0.40565139055252075
9281 Epoch 49/499: 67%|██████| 107/160 [11:08<05:26, 6.17s/it]print_dice: 0.
5575650930404663, print_iou: 0.3865443766117096
9282 Epoch 49/499: 68%|██████| 108/160 [11:14<05:20, 6.17s/it]print_dice: 0.
5612003803253174, print_iou: 0.3900476098060608
9283 Epoch 49/499: 68%|██████| 109/160 [11:20<05:15, 6.18s/it]print_dice: 0.585010290145874
, print_iou: 0.4134378433227539
9284 Epoch 49/499: 69%|██████| 110/160 [11:26<05:08, 6.16s/it]print_dice: 0.
4410941004753113, print_iou: 0.2829510569572449

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9285 Epoch 49/499: 69%|███████| 111/160 [11:32<05:02, 6.16s/it]print_dice: 0.
5581778883934021, print_iou: 0.3871336877346039
9286 Epoch 49/499: 70%|███████| 112/160 [11:39<04:57, 6.20s/it]print_dice: 0.
5142188668251038, print_iou: 0.3460932970046997
9287 print_dice: 0.5443003177642822, print_iou: 0.37390974164009094
9288 Epoch 49/499: 71%|███████| 114/160 [11:51<04:44, 6.18s/it]print_dice: 0.
4473819136619568, print_iou: 0.2881467938423157
9289 Epoch 49/499: 72%|███████| 115/160 [11:57<04:39, 6.21s/it]print_dice: 0.
4972881078720093, print_iou: 0.3309271037578583
9290 Epoch 49/499: 72%|███████| 116/160 [12:03<04:31, 6.17s/it]print_dice: 0.
4352409243583679, print_iou: 0.2781520485877991
9291 Epoch 49/499: 73%|███████| 117/160 [12:10<04:25, 6.17s/it]print_dice: 0.524476170539856
, print_iou: 0.3554508090019226
9292 Epoch 49/499: 74%|███████| 118/160 [12:16<04:19, 6.19s/it]print_dice: 0.
6069155335426331, print_iou: 0.4356631338596344
9293 Epoch 49/499: 74%|███████| 119/160 [12:22<04:13, 6.18s/it]print_dice: 0.
5066202282905579, print_iou: 0.3392440974712372
9294 Epoch 49/499: 75%|███████| 120/160 [12:28<04:06, 6.16s/it]print_dice: 0.
5593648552894592, print_iou: 0.3882765769958496
9295 print_dice: 0.46455225348472595, print_iou: 0.30255165696144104
9296 Epoch 49/499: 76%|███████| 122/160 [12:41<03:55, 6.21s/it]print_dice: 0.
4777085781097412, print_iou: 0.3138088881969452
9297 print_dice: 0.5442346334457397, print_iou: 0.3738477826118469
9298 Epoch 49/499: 78%|███████| 124/160 [12:53<03:44, 6.23s/it]print_dice: 0.
5337666869163513, print_iou: 0.3640393912792206
9299 Epoch 49/499: 78%|███████| 125/160 [12:59<03:36, 6.18s/it]print_dice: 0.545456051826477
, print_iou: 0.3750014305114746
9300 Epoch 49/499: 79%|███████| 126/160 [13:05<03:30, 6.20s/it]print_dice: 0.
5252432227134705, print_iou: 0.3561558127403259
9301 Epoch 49/499: 79%|███████| 127/160 [13:11<03:23, 6.16s/it]print_dice: 0.
5183979272842407, print_iou: 0.3498901128768921
9302 print_dice: 0.5446144342422485, print_iou: 0.3742063045501709
9303 Epoch 49/499: 81%|███████| 129/160 [13:24<03:10, 6.14s/it]print_dice: 0.
4855143129825592, print_iou: 0.3205803334712982
9304 Epoch 49/499: 81%|███████| 130/160 [13:30<03:05, 6.20s/it]print_dice: 0.586253821849823
, print_iou: 0.4146811366081238
9305 print_dice: 0.4849012494087219, print_iou: 0.32004594802856445
9306 Epoch 49/499: 82%|███████| 132/160 [13:43<02:55, 6.26s/it]print_dice: 0.
5459526181221008, print_iou: 0.37547096610069275
9307 print_dice: 0.4457433223724365, print_iou: 0.2867887616157532
9308 Epoch 49/499: 84%|███████| 134/160 [13:56<02:44, 6.34s/it]print_dice: 0.
5424796938896179, print_iou: 0.3721936047077179
9309 print_dice: 0.5104035139083862, print_iou: 0.34264546632766724
9310 Epoch 49/499: 85%|███████| 136/160 [14:08<02:29, 6.24s/it]print_dice: 0.
5840493440628052, print_iou: 0.41247862577438354
9311 Epoch 49/499: 86%|███████| 137/160 [14:14<02:24, 6.29s/it]print_dice: 0.
46785232424736023, print_iou: 0.3053571879863739
9312 print_dice: 0.6118127703666687, print_iou: 0.4407278299331665
9313 Epoch 49/499: 87%|███████| 139/160 [14:27<02:11, 6.24s/it]print_dice: 0.
5135986804962158, print_iou: 0.3455316424369812
9314 Epoch 49/499: 88%|███████| 140/160 [14:33<02:04, 6.21s/it]print_dice: 0.
5230963826179504, print_iou: 0.3541845381259918
9315 print_dice: 0.5930423736572266, print_iou: 0.4215069115161896
9316 Epoch 49/499: 89%|███████| 142/160 [14:45<01:51, 6.18s/it]print_dice: 0.
4693269431591034, print_iou: 0.3066147565841675
9317 Epoch 49/499: 89%|███████| 143/160 [14:51<01:45, 6.19s/it]print_dice: 0.
41543692350387573, print_iou: 0.26217758655548096
9318 print_dice: 0.49757149815559387, print_iou: 0.3311781585216522
9319 Epoch 49/499: 91%|███████| 145/160 [15:04<01:32, 6.17s/it]print_dice: 0.
5297988653182983, print_iou: 0.3603580594062805
9320 Epoch 49/499: 91%|███████| 146/160 [15:10<01:26, 6.19s/it]print_dice: 0.
6501104235649109, print_iou: 0.48160263895988464
9321 print_dice: 0.6172134876251221, print_iou: 0.44635486602783203
9322 Epoch 49/499: 92%|███████| 148/160 [15:22<01:13, 6.14s/it]print_dice: 0.
5965884923934937, print_iou: 0.4250987470149994
9323 print_dice: 0.5348173379898071, print_iou: 0.36501753330230713
9324 Epoch 49/499: 94%|███████| 150/160 [15:34<01:01, 6.17s/it]print_dice: 0.
5337291955947876, print_iou: 0.36400455236434937
9325 print_dice: 0.5412542819976807, print_iou: 0.37104088068008423

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9326 Epoch 49/499: 95%|██████████| 152/160 [15:47<00:49, 6.17s/it]print_dice: 0.
6245962977409363, print_iou: 0.454118549823761
9327 print_dice: 0.5702042579650879, print_iou: 0.39880120754241943
9328 Epoch 49/499: 96%|██████████| 154/160 [15:59<00:37, 6.19s/it]print_dice: 0.
4216873347759247, print_iou: 0.2671760320663452
9329 Epoch 49/499: 97%|██████████| 155/160 [16:05<00:30, 6.18s/it]print_dice: 0.
5724442005157471, print_iou: 0.40099602937698364
9330 print_dice: 0.5693889856338501, print_iou: 0.39800408482551575
9331 Epoch 49/499: 98%|██████████| 157/160 [16:18<00:18, 6.20s/it]print_dice: 0.
5530444979667664, print_iou: 0.3822125196456909
9332 Epoch 49/499: 99%|██████████| 158/160 [16:24<00:12, 6.18s/it]print_dice: 0.
5412217974662781, print_iou: 0.37101033329963684
9333 Epoch 49/499: 99%|██████████| 159/160 [16:30<00:06, 6.15s/it]print_dice: 0.
5812000632286072, print_iou: 0.4096420407295227
9334 Epoch 49/499: 100%|██████████| 160/160 [16:36<00:00, 6.12s/it]print_dice: 0.
5185525417327881, print_iou: 0.3500310182571411
9335 [159/160] eta: 0:00:06 time: 6.1628 data: 0.0007
9336 Epoch 49/499: 100%|██████████| 160/160 [16:37<00:00, 6.23s/it]
9337 Total time: 0:16:37 (6.2336 s / it)
9338 Averaged stats: training_loss: -31.0837 (-31.0837) loss_mask: -31.3630 (-31.3630)
loss_dice: 0.2793 (0.2793)
9339 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.840366674005
9340 Validating...
9341 Valid_data_loader len: 12
9342 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2688e-04, 2.
2809e-04, 2.3014e-04, ..., 1.0000e+00, 1.0000e+00,
9343 1.0000e+00], grad_fn=<Unique2Backward0>)
9344 8%|██████████| 1/12 [00:08<01:38, 8.96s/it]print_dice: 0.5640246868133545, print_iou: 0.
3927816152572632
9345 [ 0/12] eta: 0:01:47 time: 8.9597 data: 4.7728
9346 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2691e-04, 2.
2818e-04, 2.2988e-04, ..., 1.0000e+00, 1.0000e+00,
9347 1.0000e+00], grad_fn=<Unique2Backward0>)
9348 17%|██████████| 2/12 [00:13<01:01, 6.18s/it]print_dice: 0.6161335110664368, print_iou: 0.
44522616267204285
9349 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.5699e-04, 5.
9526e-04, 5.9703e-04, ..., 9.9999e-01, 9.9999e-01,
9350 1.0000e+00], grad_fn=<Unique2Backward0>)
9351 25%|██████████| 3/12 [00:17<00:47, 5.28s/it]print_dice: 0.5327602624893188, print_iou: 0.
3631037771701813
9352 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2693e-04, 2.
2811e-04, 2.2978e-04, ..., 1.0000e+00, 1.0000e+00,
9353 1.0000e+00], grad_fn=<Unique2Backward0>)
9354 33%|██████████| 4/12 [00:21<00:39, 4.88s/it]print_dice: 0.530748188495636, print_iou: 0.
3612370789051056
9355 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2695e-04, 2.
2817e-04, 2.3023e-04, ..., 1.0000e+00, 1.0000e+00,
9356 1.0000e+00], grad_fn=<Unique2Backward0>)
9357 42%|██████████| 5/12 [00:25<00:32, 4.60s/it]print_dice: 0.5821436047554016, print_iou: 0.
4105800688266754
9358 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2692e-04, 2.
2810e-04, 2.3025e-04, ..., 1.0000e+00, 1.0000e+00,
9359 1.0000e+00], grad_fn=<Unique2Backward0>)
9360 50%|██████████| 6/12 [00:30<00:26, 4.49s/it]print_dice: 0.5125125050544739, print_iou: 0.
34454911947250366
9361 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.8396e-04, 1.
8592e-04, 1.9200e-04, ..., 1.0000e+00, 1.0000e+00,
9362 1.0000e+00], grad_fn=<Unique2Backward0>)
9363 print_dice: 0.4382587671279907, print_iou: 0.28062188625335693
9364 58%|██████████| 7/12 [00:34<00:21, 4.38s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([9.8380e-05, 1.0578e-04, 1.0643e-04, ..., 1.0000e+00, 1.
0000e+00,
9365 1.0000e+00], grad_fn=<Unique2Backward0>)
9366 print_dice: 0.5529634952545166, print_iou: 0.38213515281677246
9367 67%|██████████| 8/12 [00:38<00:17, 4.27s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.2700e-04, 2.2824e-04, 2.3013e-04, ..., 1.0000e+00, 1.
0000e+00,
9368 1.0000e+00], grad_fn=<Unique2Backward0>)
9369 75%|██████████| 9/12 [00:42<00:12, 4.21s/it]print_dice: 0.5697904825210571, print_iou: 0.

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9369 3983965218067169
9370 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.8000e-04, 1.
      8576e-04, 1.8773e-04, ..., 1.0000e+00, 1.0000e+00,
9371      1.0000e+00], grad_fn=<Unique2Backward0>)
9372 83%|██████████| 10/12 [00:46<00:08, 4.18s/it]print_dice: 0.5779287815093994, print_iou: 0
      .40639930963516235
9373 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.4293e-04, 1.
      4467e-04, 1.4789e-04, ..., 1.0000e+00, 1.0000e+00,
9374      1.0000e+00], grad_fn=<Unique2Backward0>)
9375 92%|██████████| 11/12 [00:50<00:04, 4.12s/it]print_dice: 0.6198478937149048, print_iou: 0
      .4491156339645386
9376 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([5.6924e-04, 5.
      7757e-04, 5.9014e-04, ..., 9.9999e-01, 9.9999e-01,
9377      9.9999e-01], grad_fn=<Unique2Backward0>)
9378 100%|██████████| 12/12 [00:54<00:00, 4.13s/it]print_dice: 0.5849646925926208, print_iou: 0
      .4133922755718231
9379 [11/12] eta: 0:00:04 time: 4.5460 data: 0.3980
9380 100%|██████████| 12/12 [00:55<00:00, 4.60s/it]
9381 Total time: 0:00:55 (4.5951 s / it)
9382 =====
9383 Averaged stats:
9384 Epoch 50/499: 0%|██████████| 0/160 [00:00<?, ?it/s]epoch: 50 learning rate: 1e-08
9385 Epoch 50/499: 1%|██████████| 1/160 [00:10<27:24, 10.34s/it]print_dice: 0.5475429892539978
      , print_iou: 0.3769770562648773
9386 [ 0/160] eta: 0:27:34 time: 10.3431 data: 4.0889
9387 Epoch 50/499: 1%|██████████| 2/160 [00:16<20:57, 7.96s/it]print_dice: 0.5605841875076294
      , print_iou: 0.3894525468349457
9388 Epoch 50/499: 2%|██████████| 3/160 [00:22<18:37, 7.12s/it]print_dice: 0.5094711184501648
      , print_iou: 0.3418056070804596
9389 print_dice: 0.44184407591819763, print_iou: 0.2835685908794403
9390 Epoch 50/499: 3%|██████████| 5/160 [00:35<16:54, 6.55s/it]print_dice: 0.49347421526908875
      , print_iou: 0.3275577425956726
9391 print_dice: 0.5415267944335938, print_iou: 0.37129706144332886
9392 Epoch 50/499: 4%|██████████| 7/160 [00:47<16:08, 6.33s/it]print_dice: 0.5438342690467834
      , print_iou: 0.3734700679779053
9393 Epoch 50/499: 5%|██████████| 8/160 [00:53<15:54, 6.28s/it]print_dice: 0.5169464945793152
      , print_iou: 0.34856900572776794
9394 Epoch 50/499: 6%|██████████| 9/160 [00:59<15:44, 6.26s/it]print_dice: 0.6463603973388672
      , print_iou: 0.4774981737136841
9395 Epoch 50/499: 6%|██████████| 10/160 [01:05<15:33, 6.22s/it]print_dice: 0.
      47791388630867004, print_iou: 0.3139860928058624
9396 Epoch 50/499: 7%|██████████| 11/160 [01:12<15:28, 6.23s/it]print_dice: 0.
      44517606496810913, print_iou: 0.2863192856311798
9397 Epoch 50/499: 8%|██████████| 12/160 [01:18<15:19, 6.21s/it]print_dice: 0.5308681726455688
      , print_iou: 0.3613482117652893
9398 Epoch 50/499: 8%|██████████| 13/160 [01:24<15:07, 6.17s/it]print_dice: 0.5174275040626526
      , print_iou: 0.3490065336227417
9399 Epoch 50/499: 9%|██████████| 14/160 [01:30<15:00, 6.17s/it]print_dice: 0.5475232601165771
      , print_iou: 0.37695834040641785
9400 Epoch 50/499: 9%|██████████| 15/160 [01:36<14:57, 6.19s/it]print_dice: 0.
      42269763350486755, print_iou: 0.2679876983165741
9401 print_dice: 0.5990588665008545, print_iou: 0.42761170864105225
9402 Epoch 50/499: 11%|██████████| 17/160 [01:49<14:40, 6.16s/it]print_dice: 0.5313938856124878
      , print_iou: 0.3618355691432953
9403 Epoch 50/499: 11%|██████████| 18/160 [01:55<14:33, 6.15s/it]print_dice: 0.4658892750740051
      , print_iou: 0.30368688702583313
9404 print_dice: 0.545409083366394, print_iou: 0.37495702505111694
9405 Epoch 50/499: 12%|██████████| 20/160 [02:07<14:24, 6.17s/it]print_dice: 0.5850167870521545
      , print_iou: 0.41344431042671204
9406 Epoch 50/499: 13%|██████████| 21/160 [02:13<14:17, 6.17s/it]print_dice: 0.
      46816980838775635, print_iou: 0.3056277632713318
9407 Epoch 50/499: 14%|██████████| 22/160 [02:19<14:09, 6.16s/it]print_dice: 0.5673224329948425
      , print_iou: 0.39598751068115234
9408 Epoch 50/499: 14%|██████████| 23/160 [02:26<14:07, 6.19s/it]print_dice: 0.5402297973632812
      , print_iou: 0.3700786828994751
9409 print_dice: 0.48001280426979065, print_iou: 0.3158005475997925
9410 Epoch 50/499: 16%|██████████| 25/160 [02:38<13:51, 6.16s/it]print_dice: 0.5635743141174316
      , print_iou: 0.3923448920249939
9411 Epoch 50/499: 16%|██████████| 26/160 [02:44<13:48, 6.18s/it]print_dice: 0.

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9411 48027655482292175, print_iou: 0.3160289227962494
9412 Epoch 50/499: 17%|██████| 27/160 [02:50<13:43, 6.19s/it]print_dice: 0.6189020276069641
, print_iou: 0.4481232166290283
9413 Epoch 50/499: 18%|██████| 28/160 [02:57<13:38, 6.20s/it]print_dice: 0.
49016323685646057, print_iou: 0.3246465027332306
9414 print_dice: 0.4595021903514862, print_iou: 0.29828163981437683
9415 Epoch 50/499: 19%|██████| 30/160 [03:09<13:26, 6.21s/it]print_dice: 0.4850175678730011
, print_iou: 0.3201473355293274
9416 print_dice: 0.5661369562149048, print_iou: 0.3948333263397217
9417 Epoch 50/499: 20%|██████| 32/160 [03:21<13:10, 6.18s/it]print_dice: 0.4623922109603882
, print_iou: 0.30072182416915894
9418 Epoch 50/499: 21%|██████| 33/160 [03:27<13:06, 6.19s/it]print_dice: 0.5953183174133301
, print_iou: 0.42381012439727783
9419 Epoch 50/499: 21%|██████| 34/160 [03:34<13:01, 6.20s/it]print_dice: 0.5390468835830688
, print_iou: 0.3689693510532379
9420 Epoch 50/499: 22%|██████| 35/160 [03:40<12:52, 6.18s/it]print_dice: 0.5615066289901733
, print_iou: 0.390343576669693
9421 Epoch 50/499: 22%|██████| 36/160 [03:46<12:43, 6.16s/it]print_dice: 0.4762681722640991
, print_iou: 0.3125669062137604
9422 Epoch 50/499: 23%|██████| 37/160 [03:52<12:42, 6.20s/it]print_dice: 0.5407257080078125
, print_iou: 0.37054428458213806
9423 Epoch 50/499: 24%|██████| 38/160 [03:58<12:37, 6.21s/it]print_dice: 0.5352388024330139
, print_iou: 0.36541029810905457
9424 print_dice: 0.5266523361206055, print_iou: 0.3574528694152832
9425 Epoch 50/499: 25%|██████| 40/160 [04:11<12:21, 6.18s/it]print_dice: 0.
48579561710357666, print_iou: 0.3208256661891937
9426 print_dice: 0.5059977769851685, print_iou: 0.33868610858917236
9427 Epoch 50/499: 26%|██████| 42/160 [04:23<12:08, 6.18s/it]print_dice: 0.5727414488792419
, print_iou: 0.40128782391548157
9428 Epoch 50/499: 27%|██████| 43/160 [04:29<12:02, 6.18s/it]print_dice: 0.587864339351654
, print_iou: 0.41629448533058167
9429 Epoch 50/499: 28%|██████| 44/160 [04:35<11:55, 6.17s/it]print_dice: 0.586256206035614
, print_iou: 0.4146834909915924
9430 Epoch 50/499: 28%|██████| 45/160 [04:42<11:49, 6.17s/it]print_dice: 0.5994647741317749
, print_iou: 0.428025484085083
9431 Epoch 50/499: 29%|██████| 46/160 [04:48<11:46, 6.20s/it]print_dice: 0.5618084669113159
, print_iou: 0.39063534140586853
9432 Epoch 50/499: 29%|██████| 47/160 [04:54<11:42, 6.22s/it]print_dice: 0.5120120048522949
, print_iou: 0.3440968692302704
9433 Epoch 50/499: 30%|██████| 48/160 [05:00<11:35, 6.21s/it]print_dice: 0.516616940498352
, print_iou: 0.34826940298080444
9434 Epoch 50/499: 31%|██████| 49/160 [05:07<11:29, 6.21s/it]print_dice: 0.6150644421577454
, print_iou: 0.4441105127334595
9435 Epoch 50/499: 31%|██████| 50/160 [05:13<11:24, 6.22s/it]print_dice: 0.5402367115020752
, print_iou: 0.3700851798057556
9436 Epoch 50/499: 32%|██████| 51/160 [05:19<11:14, 6.19s/it]print_dice: 0.5189093947410583
, print_iou: 0.3503562808036804
9437 Epoch 50/499: 32%|██████| 52/160 [05:25<11:05, 6.16s/it]print_dice: 0.5211087465286255
, print_iou: 0.35236451029777527
9438 Epoch 50/499: 33%|██████| 53/160 [05:31<10:59, 6.16s/it]print_dice: 0.5293199419975281
, print_iou: 0.3599150776863098
9439 Epoch 50/499: 34%|██████| 54/160 [05:37<10:50, 6.14s/it]print_dice: 0.5363408327102661
, print_iou: 0.3664383292198181
9440 Epoch 50/499: 34%|██████| 55/160 [05:43<10:45, 6.15s/it]print_dice: 0.514505922794342
, print_iou: 0.3463533818721771
9441 Epoch 50/499: 35%|██████| 56/160 [05:50<10:39, 6.15s/it]print_dice: 0.6241820454597473
, print_iou: 0.45368069410324097
9442 Epoch 50/499: 36%|██████| 57/160 [05:56<10:33, 6.15s/it]print_dice: 0.5098401308059692
, print_iou: 0.3421378433704376
9443 print_dice: 0.4632977545261383, print_iou: 0.30148831009864807
9444 Epoch 50/499: 37%|██████| 59/160 [06:08<10:23, 6.17s/it]print_dice: 0.5660956501960754
, print_iou: 0.39479318261146545
9445 print_dice: 0.5694074630737305, print_iou: 0.3980221152305603
9446 Epoch 50/499: 38%|██████| 61/160 [06:21<10:21, 6.27s/it]print_dice: 0.5142291784286499
, print_iou: 0.34610262513160706
9447 Epoch 50/499: 39%|██████| 62/160 [06:27<10:09, 6.22s/it]print_dice: 0.5012705326080322
, print_iou: 0.3344636559486389
9448 Epoch 50/499: 39%|██████| 63/160 [06:33<10:01, 6.20s/it]print_dice: 0.5449601411819458
, print_iou: 0.3745327889919281

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9449 Epoch 50/499: 40%|██████| 64/160 [06:39<09:53, 6.18s/it]print_dice: 0.4995482265949249
, print_iou: 0.33293187618255615
9450 Epoch 50/499: 41%|██████| 65/160 [06:46<09:48, 6.20s/it]print_dice: 0.5766939520835876
, print_iou: 0.40517914295196533
9451 print_dice: 0.5627243518829346, print_iou: 0.39152151346206665
9452 Epoch 50/499: 42%|██████| 67/160 [06:58<09:35, 6.19s/it]print_dice: 0.5072021484375
, print_iou: 0.33976614475250244
9453 Epoch 50/499: 42%|██████| 68/160 [07:04<09:29, 6.19s/it]print_dice: 0.5009404420852661
, print_iou: 0.33416977524757385
9454 Epoch 50/499: 43%|██████| 69/160 [07:10<09:27, 6.23s/it]print_dice: 0.505430281162262
, print_iou: 0.33817780017852783
9455 Epoch 50/499: 44%|██████| 70/160 [07:17<09:18, 6.20s/it]print_dice: 0.5899297595024109
, print_iou: 0.4183690845966339
9456 print_dice: 0.5076500773429871, print_iou: 0.3401682376861572
9457 Epoch 50/499: 45%|██████| 72/160 [07:29<09:05, 6.20s/it]print_dice: 0.5532253980636597
, print_iou: 0.3823853135108948
9458 Epoch 50/499: 46%|██████| 73/160 [07:35<08:58, 6.19s/it]print_dice: 0.6084216237068176
, print_iou: 0.4372169077396393
9459 Epoch 50/499: 46%|██████| 74/160 [07:41<08:51, 6.19s/it]print_dice: 0.5959003567695618
, print_iou: 0.42440032958984375
9460 Epoch 50/499: 47%|██████| 75/160 [07:47<08:45, 6.19s/it]print_dice: 0.5072404146194458
, print_iou: 0.33980047702789307
9461 print_dice: 0.573498010635376, print_iou: 0.4020310044288635
9462 Epoch 50/499: 48%|██████| 77/160 [08:00<08:32, 6.18s/it]print_dice: 0.548919141292572
, print_iou: 0.37828293442726135
9463 print_dice: 0.4714234471321106, print_iou: 0.3084068298339844
9464 Epoch 50/499: 49%|██████| 79/160 [08:12<08:19, 6.16s/it]print_dice: 0.4886588454246521
, print_iou: 0.3233279585838318
9465 print_dice: 0.5384411215782166, print_iou: 0.3684019446372986
9466 Epoch 50/499: 51%|██████| 81/160 [08:25<08:08, 6.19s/it]print_dice: 0.
49950143694877625, print_iou: 0.3328903317451477
9467 Epoch 50/499: 51%|██████| 82/160 [08:31<08:03, 6.20s/it]print_dice: 0.5458662509918213
, print_iou: 0.37538930773735046
9468 Epoch 50/499: 52%|██████| 83/160 [08:37<07:54, 6.16s/it]print_dice: 0.513602077960968
, print_iou: 0.34553468227386475
9469 Epoch 50/499: 52%|██████| 84/160 [08:43<07:48, 6.17s/it]print_dice: 0.
49193140864372253, print_iou: 0.32619962096214294
9470 Epoch 50/499: 53%|██████| 85/160 [08:49<07:44, 6.19s/it]print_dice: 0.5537754893302917
, print_iou: 0.38291117548942566
9471 Epoch 50/499: 54%|██████| 86/160 [08:55<07:36, 6.17s/it]print_dice: 0.4995473325252533
, print_iou: 0.3329310715198517
9472 Epoch 50/499: 54%|██████| 87/160 [09:02<07:31, 6.18s/it]print_dice: 0.5089170932769775
, print_iou: 0.34130704402923584
9473 Epoch 50/499: 55%|██████| 88/160 [09:08<07:25, 6.19s/it]print_dice: 0.468891978263855
, print_iou: 0.30624356865882874
9474 Epoch 50/499: 56%|██████| 89/160 [09:14<07:19, 6.19s/it]print_dice: 0.5516105890274048
, print_iou: 0.3808441460132599
9475 print_dice: 0.5412026047706604, print_iou: 0.3709923326969147
9476 Epoch 50/499: 57%|██████| 91/160 [09:26<07:05, 6.17s/it]print_dice: 0.5364499092102051
, print_iou: 0.36654016375541687
9477 Epoch 50/499: 57%|██████| 92/160 [09:32<06:59, 6.17s/it]print_dice: 0.5245339274406433
, print_iou: 0.3555038869380951
9478 Epoch 50/499: 58%|██████| 93/160 [09:39<06:56, 6.22s/it]print_dice: 0.5446561574935913
, print_iou: 0.37424567341804504
9479 print_dice: 0.5475990176200867, print_iou: 0.3770301640033722
9480 Epoch 50/499: 59%|██████| 95/160 [09:51<06:42, 6.19s/it]print_dice: 0.
43209248781204224, print_iou: 0.27558544278144836
9481 Epoch 50/499: 60%|██████| 96/160 [09:57<06:36, 6.19s/it]print_dice: 0.
44467419385910034, print_iou: 0.285904198884964
9482 Epoch 50/499: 61%|██████| 97/160 [10:04<06:31, 6.22s/it]print_dice: 0.5725353360176086
, print_iou: 0.40108543634414673
9483 print_dice: 0.4337434768676758, print_iou: 0.276930034160614
9484 Epoch 50/499: 62%|██████| 99/160 [10:16<06:19, 6.21s/it]print_dice: 0.5541070103645325
, print_iou: 0.38322824239730835
9485 Epoch 50/499: 62%|██████| 100/160 [10:22<06:14, 6.24s/it]print_dice: 0.
5344591736793518, print_iou: 0.3646838963031769
9486 Epoch 50/499: 63%|██████| 101/160 [10:29<06:07, 6.23s/it]print_dice: 0.
5256251096725464, print_iou: 0.3565070629119873
9487 [100/160] eta: 0:06:13 time: 6.2019 data: 0.0005

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9488 print_dice: 0.5912601947784424, print_iou: 0.41970860958099365
9489 Epoch 50/499: 64%|███████| 103/160 [10:41<05:54, 6.21s/it]print_dice: 0.
5861635804176331, print_iou: 0.4145907759666443
9490 print_dice: 0.6102955341339111, print_iou: 0.43915489315986633
9491 Epoch 50/499: 66%|███████| 105/160 [10:53<05:42, 6.22s/it]print_dice: 0.
4498463273048401, print_iou: 0.29019466042518616
9492 print_dice: 0.5169593095779419, print_iou: 0.34858065843582153
9493 Epoch 50/499: 67%|███████| 107/160 [11:06<05:28, 6.19s/it]print_dice: 0.
5261083841323853, print_iou: 0.35695186257362366
9494 print_dice: 0.44666075706481934, print_iou: 0.2875487506389618
9495 Epoch 50/499: 68%|███████| 109/160 [11:18<05:15, 6.18s/it]print_dice: 0.
5295830368995667, print_iou: 0.36015844345092773
9496 Epoch 50/499: 69%|███████| 110/160 [11:24<05:08, 6.16s/it]print_dice: 0.
5978028774261475, print_iou: 0.4263329803943634
9497 Epoch 50/499: 69%|███████| 111/160 [11:30<05:01, 6.16s/it]print_dice: 0.
5675630569458008, print_iou: 0.3962220251560211
9498 print_dice: 0.4785384237766266, print_iou: 0.3145254850387573
9499 Epoch 50/499: 71%|███████| 113/160 [11:43<04:48, 6.15s/it]print_dice: 0.
5335514545440674, print_iou: 0.36383920907974243
9500 print_dice: 0.5242944359779358, print_iou: 0.3552838861942291
9501 Epoch 50/499: 72%|███████| 115/160 [11:55<04:36, 6.14s/it]print_dice: 0.
5124295353889465, print_iou: 0.34447410702705383
9502 print_dice: 0.5259825587272644, print_iou: 0.3568360209465027
9503 Epoch 50/499: 73%|███████| 117/160 [12:07<04:24, 6.15s/it]print_dice: 0.
5891994833946228, print_iou: 0.41763490438461304
9504 print_dice: 0.5590513944625854, print_iou: 0.3879745304584503
9505 Epoch 50/499: 74%|███████| 119/160 [12:20<04:12, 6.16s/it]print_dice: 0.
49110230803489685, print_iou: 0.3254709243774414
9506 print_dice: 0.49064457416534424, print_iou: 0.32506895065307617
9507 Epoch 50/499: 76%|███████| 121/160 [12:32<04:00, 6.18s/it]print_dice: 0.
5023102760314941, print_iou: 0.3353900909423828
9508 Epoch 50/499: 76%|███████| 122/160 [12:38<03:56, 6.22s/it]print_dice: 0.
5367355942726135, print_iou: 0.3668069541454315
9509 Epoch 50/499: 77%|███████| 123/160 [12:44<03:49, 6.20s/it]print_dice: 0.
5043014883995056, print_iou: 0.3371678590774536
9510 Epoch 50/499: 78%|███████| 124/160 [12:50<03:41, 6.17s/it]print_dice: 0.
6178728342056274, print_iou: 0.44704481959342957
9511 Epoch 50/499: 78%|███████| 125/160 [12:57<03:35, 6.17s/it]print_dice: 0.
6026628613471985, print_iou: 0.4312938451766968
9512 print_dice: 0.44782090187072754, print_iou: 0.28851109743118286
9513 Epoch 50/499: 79%|███████| 127/160 [13:09<03:24, 6.19s/it]print_dice: 0.582834780216217
, print_iou: 0.41126808524131775
9514 print_dice: 0.5429620146751404, print_iou: 0.37264779210090637
9515 Epoch 50/499: 81%|███████| 129/160 [13:21<03:11, 6.19s/it]print_dice: 0.
6018470525741577, print_iou: 0.4304586946964264
9516 print_dice: 0.5479547381401062, print_iou: 0.3773675560951233
9517 Epoch 50/499: 82%|███████| 131/160 [13:34<02:58, 6.17s/it]print_dice: 0.
5579817295074463, print_iou: 0.386944979429245
9518 Epoch 50/499: 82%|███████| 132/160 [13:40<02:52, 6.17s/it]print_dice: 0.
5162719488143921, print_iou: 0.3479558825492859
9519 Epoch 50/499: 83%|███████| 133/160 [13:46<02:46, 6.18s/it]print_dice: 0.
5663280487060547, print_iou: 0.3950192928314209
9520 Epoch 50/499: 84%|███████| 134/160 [13:52<02:40, 6.16s/it]print_dice: 0.
5086653828620911, print_iou: 0.3410806655883789
9521 Epoch 50/499: 84%|███████| 135/160 [13:58<02:34, 6.17s/it]print_dice: 0.
47972413897514343, print_iou: 0.31555071473121643
9522 print_dice: 0.563222348690033, print_iou: 0.3920038640499115
9523 Epoch 50/499: 86%|███████| 137/160 [14:11<02:22, 6.19s/it]print_dice: 0.
5851125717163086, print_iou: 0.4135400354862213
9524 Epoch 50/499: 86%|███████| 138/160 [14:17<02:17, 6.23s/it]print_dice: 0.524081826210022
, print_iou: 0.3550886809825897
9525 Epoch 50/499: 87%|███████| 139/160 [14:23<02:10, 6.24s/it]print_dice: 0.
49772489070892334, print_iou: 0.3313140869140625
9526 print_dice: 0.4821676015853882, print_iou: 0.3176685571670532
9527 Epoch 50/499: 88%|███████| 141/160 [14:36<01:58, 6.24s/it]print_dice: 0.
5219663381576538, print_iou: 0.3531491458415985
9528 Epoch 50/499: 89%|███████| 142/160 [14:42<01:51, 6.18s/it]print_dice: 0.
5311850309371948, print_iou: 0.36164191365242004
9529 Epoch 50/499: 89%|███████| 143/160 [14:48<01:44, 6.17s/it]print_dice: 0.
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9529 5496076941490173, print_iou: 0.3789372444152832
9530 Epoch 50/499: 90%|██████████| 144/160 [14:54<01:39, 6.20s/it]print_dice: 0.544609785079956
, print_iou: 0.3742018938064575
9531 Epoch 50/499: 91%|██████████| 145/160 [15:01<01:33, 6.21s/it]print_dice: 0.
4184654951095581, print_iou: 0.26459458470344543
9532 Epoch 50/499: 91%|██████████| 146/160 [15:07<01:27, 6.21s/it]print_dice: 0.
5613416433334351, print_iou: 0.3901841342449188
9533 print_dice: 0.5003835558891296, print_iou: 0.3336743712425232
9534 Epoch 50/499: 92%|██████████| 148/160 [15:19<01:14, 6.23s/it]print_dice: 0.
5460438132286072, print_iou: 0.3755572736263275
9535 Epoch 50/499: 93%|██████████| 149/160 [15:25<01:08, 6.21s/it]print_dice: 0.
5155786275863647, print_iou: 0.3473263382911682
9536 Epoch 50/499: 94%|██████████| 150/160 [15:32<01:01, 6.17s/it]print_dice: 0.
48520949482917786, print_iou: 0.32031458616256714
9537 print_dice: 0.5550276637077332, print_iou: 0.3841095566749573
9538 Epoch 50/499: 95%|██████████| 152/160 [15:44<00:49, 6.20s/it]print_dice: 0.
5521075129508972, print_iou: 0.38131803274154663
9539 print_dice: 0.4582189917564392, print_iou: 0.29720109701156616
9540 Epoch 50/499: 96%|██████████| 154/160 [15:57<00:37, 6.26s/it]print_dice: 0.
5014415383338928, print_iou: 0.33461594581604004
9541 print_dice: 0.47499188780784607, print_iou: 0.3114684224128723
9542 Epoch 50/499: 98%|██████████| 156/160 [16:09<00:24, 6.20s/it]print_dice: 0.
5684992074966431, print_iou: 0.3971351087093353
9543 Epoch 50/499: 98%|██████████| 157/160 [16:15<00:18, 6.27s/it]print_dice: 0.
5045138001441956, print_iou: 0.33735769987106323
9544 Epoch 50/499: 99%|██████████| 158/160 [16:22<00:12, 6.28s/it]print_dice: 0.
5835949778556824, print_iou: 0.412025511264801
9545 print_dice: 0.5381574630737305, print_iou: 0.3681364059448242
9546 Epoch 50/499: 100%|██████████| 160/160 [16:34<00:00, 6.19s/it]print_dice: 0.
5417179465293884, print_iou: 0.37147676944732666
9547 [159/160] eta: 0:00:06 time: 6.2122 data: 0.0003
9548 Total time: 0:16:35 (6.2201 s / it)
9549 Averaged stats: training_loss: -571.1488 (-571.1488) loss_mask: -571.1101 (-571.1101)
loss_dice: -0.0387 (-0.0387)
9550 Epoch 50/499: 100%|██████████| 160/160 [16:35<00:00, 6.22s/it]
9551 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.8404059269233
9552 Validating...
9553 Valid_dataloader len: 12
9554 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.6557e-04, 1.
7339e-04, 1.7713e-04, ..., 1.0000e+00, 1.0000e+00,
9555 1.0000e+00], grad_fn=<Unique2Backward0>)
9556 print_dice: 0.5630265474319458, print_iou: 0.39181414246559143
9557 [ 0/12] eta: 0:01:46 time: 8.9143 data: 4.7608
9558 8%|██████████| 1/12 [00:08<01:38, 8.91s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.2713e-04, 2.2806e-04, 2.2949e-04, ..., 1.0000e+00, 1.
0000e+00,
9559 1.0000e+00], grad_fn=<Unique2Backward0>)
9560 17%|██████████| 2/12 [00:13<01:01, 6.15s/it]print_dice: 0.6161789894104004, print_iou: 0.
44527360796928406
9561 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2709e-04, 2.
2794e-04, 2.2969e-04, ..., 1.0000e+00, 1.0000e+00,
9562 1.0000e+00], grad_fn=<Unique2Backward0>)
9563 25%|██████████| 3/12 [00:17<00:47, 5.23s/it]print_dice: 0.5383539795875549, print_iou: 0.
36832037568092346
9564 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.6805e-04, 2.
7603e-04, 2.7939e-04, ..., 1.0000e+00, 1.0000e+00,
9565 1.0000e+00], grad_fn=<Unique2Backward0>)
9566 33%|██████████| 4/12 [00:21<00:38, 4.79s/it]print_dice: 0.5255051255226135, print_iou: 0.
35639670491218567
9567 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2718e-04, 2.
2806e-04, 2.2974e-04, ..., 1.0000e+00, 1.0000e+00,
9568 1.0000e+00], grad_fn=<Unique2Backward0>)
9569 42%|██████████| 5/12 [00:25<00:31, 4.57s/it]print_dice: 0.5818009972572327, print_iou: 0.
4102393090724945
9570 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2712e-04, 2.
2796e-04, 2.2970e-04, ..., 1.0000e+00, 1.0000e+00,
9571 1.0000e+00], grad_fn=<Unique2Backward0>)
9572 50%|██████████| 6/12 [00:29<00:26, 4.43s/it]print_dice: 0.5120817422866821, print_iou: 0.
344159871339798

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9573 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.8539e-04, 1.
    8630e-04, 1.9026e-04, ..., 1.0000e+00, 1.0000e+00,
9574     1.0000e+00], grad_fn=<Unique2Backward0>)
9575 print_dice: 0.43799421191215515, print_iou: 0.2804049849510193
9576 58%|███████ | 7/12 [00:33<00:21, 4.36s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([9.7287e-05, 1.0499e-04, 1.0507e-04, ..., 1.0000e+00, 1.
    0000e+00,
9577     1.0000e+00], grad_fn=<Unique2Backward0>)
9578 print_dice: 0.5525914430618286, print_iou: 0.38177984952926636
9579 67%|███████ | 8/12 [00:37<00:17, 4.26s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([2.2728e-04, 2.2814e-04, 2.2967e-04, ..., 1.0000e+00, 1.
    0000e+00,
9580     1.0000e+00], grad_fn=<Unique2Backward0>)
9581 75%|███████ | 9/12 [00:42<00:12, 4.26s/it]print_dice: 0.5695427060127258, print_iou: 0.
    39815425872802734
9582 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([9.3582e-04, 9.
    8754e-04, 1.0166e-03, ..., 9.9999e-01, 9.9999e-01,
9583     9.9999e-01], grad_fn=<Unique2Backward0>)
9584 print_dice: 0.5732905864715576, print_iou: 0.4018271267414093
9585 83%|███████ | 10/12 [00:46<00:08, 4.21s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([4.8211e-04, 5.1687e-04, 5.1912e-04, ..., 9.9999e-01, 9.
    9999e-01,
9586     9.9999e-01], grad_fn=<Unique2Backward0>)
9587 print_dice: 0.616436779499054, print_iou: 0.44554293155670166
9588 92%|███████ | 11/12 [00:50<00:04, 4.16s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
    ]) unique sigmoid values: tensor([2.0568e-04, 2.1044e-04, 2.1178e-04, ..., 1.0000e+00, 1.
    0000e+00,
9589     1.0000e+00], grad_fn=<Unique2Backward0>)
9590 100%|█████████| 12/12 [00:54<00:00, 4.13s/it]print_dice: 0.5820786356925964, print_iou: 0
    .4105154871940613
9591 [11/12] eta: 0:00:04 time: 4.5386 data: 0.3968
9592 Total time: 0:00:54 (4.5782 s / it)
9593 =====
9594 Averaged stats:
9595 100%|█████████| 12/12 [00:54<00:00, 4.58s/it]
9596 Epoch 51/499: 0%| | 0/160 [00:00<?, ?it/s]come here save at work_dirs/DrSAM_b
9597 epoch: 51 learning rate: 1e-08
9598 print_dice: 0.5194048285484314, print_iou: 0.35080814361572266
9599 [ 0/160] eta: 0:28:12 time: 10.5751 data: 4.2780
9600 Epoch 51/499: 1%| | 2/160 [00:16<21:08, 8.03s/it]print_dice: 0.5697956085205078
    , print_iou: 0.39840152859687805
9601 Epoch 51/499: 2%| | 3/160 [00:22<18:45, 7.17s/it]print_dice: 0.6235445141792297
    , print_iou: 0.45300737023353577
9602 Epoch 51/499: 2%| | 4/160 [00:29<17:37, 6.78s/it]print_dice: 0.5277162790298462
    , print_iou: 0.3584338128566742
9603 Epoch 51/499: 3%| | 5/160 [00:35<16:58, 6.57s/it]print_dice: 0.4784635305404663
    , print_iou: 0.31446075439453125
9604 print_dice: 0.5272019505500793, print_iou: 0.35795941948890686
9605 Epoch 51/499: 4%| | 7/160 [00:47<16:09, 6.33s/it]print_dice: 0.5616285800933838
    , print_iou: 0.39046141505241394
9606 Epoch 51/499: 5%| | 8/160 [00:53<15:53, 6.27s/it]print_dice: 0.48105648159980774
    , print_iou: 0.316704660654068
9607 Epoch 51/499: 6%| | 9/160 [00:59<15:43, 6.25s/it]print_dice: 0.5544549226760864
    , print_iou: 0.3835611641407013
9608 Epoch 51/499: 6%| | 10/160 [01:06<15:42, 6.28s/it]print_dice: 0.
    44068071246147156, print_iou: 0.2826109528541565
9609 Epoch 51/499: 7%| | 11/160 [01:12<15:34, 6.27s/it]print_dice: 0.5659382939338684
    , print_iou: 0.39464014768600464
9610 Epoch 51/499: 8%| | 12/160 [01:18<15:18, 6.21s/it]print_dice: 0.6184835433959961
    , print_iou: 0.44768449664115906
9611 print_dice: 0.5776695609092712, print_iou: 0.4061430096626282
9612 Epoch 51/499: 9%| | 14/160 [01:30<14:58, 6.15s/it]print_dice: 0.5387609601020813
    , print_iou: 0.36870142817497253
9613 Epoch 51/499: 9%| | 15/160 [01:37<14:53, 6.16s/it]print_dice: 0.5039482712745667
    , print_iou: 0.33685219287872314
9614 Epoch 51/499: 10%| | 16/160 [01:43<14:47, 6.16s/it]print_dice: 0.474931925535202
    , print_iou: 0.3114168643951416
9615 print_dice: 0.5270134806632996, print_iou: 0.3577856719493866
9616 Epoch 51/499: 11%| | 18/160 [01:55<14:41, 6.21s/it]print_dice: 0.5506988763809204

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9616 , print_iou: 0.37997543811798096
9617 print_dice: 0.5444510579109192, print_iou: 0.3740520179271698
9618 Epoch 51/499: 12%|██████| 20/160 [02:08<14:27, 6.20s/it]print_dice: 0.458072692155838
, print_iou: 0.297078013420105
9619 Epoch 51/499: 13%|██████| 21/160 [02:14<14:21, 6.20s/it]print_dice: 0.5132511854171753
, print_iou: 0.34521716833114624
9620 print_dice: 0.56684365272522, print_iou: 0.39536604285240173
9621 Epoch 51/499: 14%|██████| 23/160 [02:26<14:07, 6.19s/it]print_dice: 0.4986306428909302
, print_iou: 0.3321172297000885
9622 Epoch 51/499: 15%|██████| 24/160 [02:32<13:58, 6.16s/it]print_dice: 0.5362778306007385
, print_iou: 0.3663794994354248
9623 Epoch 51/499: 16%|██████| 25/160 [02:38<13:53, 6.17s/it]print_dice: 0.5027695894241333
, print_iou: 0.3357997536659241
9624 Epoch 51/499: 16%|██████| 26/160 [02:45<13:46, 6.17s/it]print_dice: 0.5328880548477173
, print_iou: 0.36322247982025146
9625 Epoch 51/499: 17%|██████| 27/160 [02:51<13:40, 6.17s/it]print_dice: 0.5615224242210388
, print_iou: 0.3903588354587555
9626 print_dice: 0.587767481803894, print_iou: 0.41619735956192017
9627 Epoch 51/499: 18%|██████| 29/160 [03:03<13:35, 6.22s/it]print_dice: 0.4626200795173645
, print_iou: 0.30091461539268494
9628 print_dice: 0.5060874819755554, print_iou: 0.3387664556503296
9629 Epoch 51/499: 19%|██████| 31/160 [03:16<13:16, 6.17s/it]print_dice: 0.5668213367462158
, print_iou: 0.39549940824508667
9630 Epoch 51/499: 20%|██████| 32/160 [03:22<13:10, 6.17s/it]print_dice: 0.4691345989704132
, print_iou: 0.30645057559013367
9631 Epoch 51/499: 21%|██████| 33/160 [03:28<13:09, 6.21s/it]print_dice: 0.5532463788986206
, print_iou: 0.3824053704738617
9632 Epoch 51/499: 21%|██████| 34/160 [03:34<12:59, 6.18s/it]print_dice: 0.5638796091079712
, print_iou: 0.3926408886909485
9633 Epoch 51/499: 22%|██████| 35/160 [03:40<12:52, 6.18s/it]print_dice: 0.5351417064666748
, print_iou: 0.36531978845596313
9634 Epoch 51/499: 22%|██████| 36/160 [03:46<12:45, 6.17s/it]print_dice: 0.4670105278491974
, print_iou: 0.30464038252830505
9635 Epoch 51/499: 23%|██████| 37/160 [03:53<12:39, 6.17s/it]print_dice: 0.5268174409866333
, print_iou: 0.3576050102710724
9636 Epoch 51/499: 24%|██████| 38/160 [03:59<12:32, 6.17s/it]print_dice: 0.
44279226660728455, print_iou: 0.2843501567840576
9637 Epoch 51/499: 24%|██████| 39/160 [04:05<12:24, 6.15s/it]print_dice: 0.5492756962776184
, print_iou: 0.3786216676235199
9638 Epoch 51/499: 25%|██████| 40/160 [04:11<12:16, 6.13s/it]print_dice: 0.5166549682617188
, print_iou: 0.34830397367477417
9639 Epoch 51/499: 26%|██████| 41/160 [04:17<12:09, 6.13s/it]print_dice: 0.5984513759613037
, print_iou: 0.42699292302131653
9640 Epoch 51/499: 26%|██████| 42/160 [04:23<12:01, 6.12s/it]print_dice: 0.4911430776119232
, print_iou: 0.3255067467689514
9641 Epoch 51/499: 27%|██████| 43/160 [04:29<11:57, 6.14s/it]print_dice: 0.
48685693740844727, print_iou: 0.3217521011829376
9642 print_dice: 0.4443581998348236, print_iou: 0.2856430113315582
9643 Epoch 51/499: 28%|██████| 45/160 [04:42<11:56, 6.23s/it]print_dice: 0.5666602849960327
, print_iou: 0.395342618227005
9644 Epoch 51/499: 29%|██████| 46/160 [04:48<11:51, 6.24s/it]print_dice: 0.5727583765983582
, print_iou: 0.4013044238090515
9645 Epoch 51/499: 29%|██████| 47/160 [04:54<11:43, 6.23s/it]print_dice: 0.
44307073950767517, print_iou: 0.284579873085022
9646 Epoch 51/499: 30%|██████| 48/160 [05:01<11:35, 6.21s/it]print_dice: 0.5137074589729309
, print_iou: 0.34563010931015015
9647 Epoch 51/499: 31%|██████| 49/160 [05:07<11:34, 6.26s/it]print_dice: 0.5413087010383606
, print_iou: 0.3710920214653015
9648 Epoch 51/499: 31%|██████| 50/160 [05:13<11:28, 6.26s/it]print_dice: 0.502849280834198
, print_iou: 0.3358708322048187
9649 Epoch 51/499: 32%|██████| 51/160 [05:19<11:17, 6.22s/it]print_dice: 0.4488380253314972
, print_iou: 0.289355993270874
9650 Epoch 51/499: 32%|██████| 52/160 [05:26<11:08, 6.19s/it]print_dice: 0.5047842264175415
, print_iou: 0.33759957551956177
9651 Epoch 51/499: 33%|██████| 53/160 [05:32<11:01, 6.18s/it]print_dice: 0.586180567741394
, print_iou: 0.41460779309272766
9652 Epoch 51/499: 34%|██████| 54/160 [05:38<10:59, 6.22s/it]print_dice: 0.5353555679321289
, print_iou: 0.36551910638809204
9653 Epoch 51/499: 34%|██████| 55/160 [05:44<10:50, 6.19s/it]print_dice: 0.521027147769928

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9653 , print_iou: 0.3522898852825165
9654 Epoch 51/499: 35%|██████| 56/160 [05:50<10:45, 6.20s/it]print_dice: 0.5710415840148926
, print_iou: 0.3996208608150482
9655 print_dice: 0.5407648086547852, print_iou: 0.3705809712409973
9656 Epoch 51/499: 36%|██████| 58/160 [06:03<10:33, 6.21s/it]print_dice: 0.5331278443336487
, print_iou: 0.36344531178474426
9657 Epoch 51/499: 37%|██████| 59/160 [06:09<10:28, 6.22s/it]print_dice: 0.5174707770347595
, print_iou: 0.34904590249061584
9658 print_dice: 0.5213885307312012, print_iou: 0.352620393037796
9659 Epoch 51/499: 38%|██████| 61/160 [06:21<10:11, 6.17s/it]print_dice: 0.
49235349893569946, print_iou: 0.32657089829444885
9660 Epoch 51/499: 39%|██████| 62/160 [06:28<10:05, 6.18s/it]print_dice: 0.5883244276046753
, print_iou: 0.41675612330436707
9661 Epoch 51/499: 39%|██████| 63/160 [06:34<10:00, 6.19s/it]print_dice: 0.5080918073654175
, print_iou: 0.340565025806427
9662 Epoch 51/499: 40%|██████| 64/160 [06:40<09:54, 6.19s/it]print_dice: 0.4842541217803955
, print_iou: 0.31948238611221313
9663 Epoch 51/499: 41%|██████| 65/160 [06:46<09:50, 6.21s/it]print_dice: 0.5146086812019348
, print_iou: 0.34644651412963867
9664 Epoch 51/499: 41%|██████| 66/160 [06:52<09:45, 6.23s/it]print_dice: 0.4385998547077179
, print_iou: 0.28090164065361023
9665 Epoch 51/499: 42%|██████| 67/160 [06:59<09:43, 6.27s/it]print_dice: 0.5568946003913879
, print_iou: 0.3859001696109772
9666 print_dice: 0.5631953477859497, print_iou: 0.3919776678085327
9667 Epoch 51/499: 43%|██████| 69/160 [07:11<09:25, 6.22s/it]print_dice: 0.5431004166603088
, print_iou: 0.3727782070636749
9668 Epoch 51/499: 44%|██████| 70/160 [07:17<09:17, 6.19s/it]print_dice: 0.5493296384811401
, print_iou: 0.3786729574203491
9669 Epoch 51/499: 44%|██████| 71/160 [07:24<09:13, 6.22s/it]print_dice: 0.52324378490448
, print_iou: 0.35431966185569763
9670 Epoch 51/499: 45%|██████| 72/160 [07:30<09:06, 6.21s/it]print_dice: 0.5698521137237549
, print_iou: 0.39845678210258484
9671 print_dice: 0.5328860878944397, print_iou: 0.3632206618785858
9672 Epoch 51/499: 46%|██████| 74/160 [07:42<08:51, 6.18s/it]print_dice: 0.5972076058387756
, print_iou: 0.4257277250289917
9673 print_dice: 0.5604568123817444, print_iou: 0.3893296420574188
9674 Epoch 51/499: 48%|██████| 76/160 [07:54<08:41, 6.20s/it]print_dice: 0.5200967788696289
, print_iou: 0.3514396846294403
9675 Epoch 51/499: 48%|██████| 77/160 [08:01<08:34, 6.20s/it]print_dice: 0.
49074843525886536, print_iou: 0.3251601457595825
9676 Epoch 51/499: 49%|██████| 78/160 [08:07<08:29, 6.22s/it]print_dice: 0.55033940076828
, print_iou: 0.3796333074569702
9677 Epoch 51/499: 49%|██████| 79/160 [08:13<08:22, 6.21s/it]print_dice: 0.5526965260505676
, print_iou: 0.3818801939487457
9678 print_dice: 0.4994671642780304, print_iou: 0.3328598737716675
9679 Epoch 51/499: 51%|██████| 81/160 [08:26<08:12, 6.24s/it]print_dice: 0.5858063101768494
, print_iou: 0.4142334461212158
9680 print_dice: 0.4952790141105652, print_iou: 0.32915008068084717
9681 Epoch 51/499: 52%|██████| 83/160 [08:38<07:57, 6.20s/it]print_dice: 0.4759266972541809
, print_iou: 0.312272846698761
9682 Epoch 51/499: 52%|██████| 84/160 [08:44<07:51, 6.20s/it]print_dice: 0.56819748878479
, print_iou: 0.3968406617641449
9683 Epoch 51/499: 53%|██████| 85/160 [08:50<07:44, 6.19s/it]print_dice: 0.
46713483333587646, print_iou: 0.30474618077278137
9684 Epoch 51/499: 54%|██████| 86/160 [08:57<07:40, 6.22s/it]print_dice: 0.5081824064254761
, print_iou: 0.3406464755535126
9685 Epoch 51/499: 54%|██████| 87/160 [09:03<07:34, 6.22s/it]print_dice: 0.4989350140094757
, print_iou: 0.33238735795021057
9686 Epoch 51/499: 55%|██████| 88/160 [09:09<07:28, 6.23s/it]print_dice: 0.5373435020446777
, print_iou: 0.36737507581710815
9687 print_dice: 0.547868013381958, print_iou: 0.37728527188301086
9688 Epoch 51/499: 56%|██████| 90/160 [09:22<07:15, 6.22s/it]print_dice: 0.5187855958938599
, print_iou: 0.35024338960647583
9689 Epoch 51/499: 57%|██████| 91/160 [09:28<07:09, 6.23s/it]print_dice: 0.547974705696106
, print_iou: 0.3773864507675171
9690 print_dice: 0.5176817774772644, print_iou: 0.34923797845840454
9691 Epoch 51/499: 58%|██████| 93/160 [09:40<06:55, 6.20s/it]print_dice: 0.5588014721870422
, print_iou: 0.3877338469028473
9692 print_dice: 0.5854336619377136, print_iou: 0.41386088728904724
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9693 Epoch 51/499: 59%|███████| 95/160 [09:52<06:41, 6.18s/it]print_dice: 0.5946783423423767
, print_iou: 0.42316174507141113
9694 Epoch 51/499: 60%|███████| 96/160 [09:59<06:34, 6.17s/it]print_dice: 0.5795454978942871
, print_iou: 0.40800005197525024
9695 print_dice: 0.5116452574729919, print_iou: 0.34376564621925354
9696 Epoch 51/499: 61%|███████| 98/160 [10:11<06:22, 6.16s/it]print_dice: 0.6196002960205078
, print_iou: 0.4488557279109955
9697 Epoch 51/499: 62%|███████| 99/160 [10:17<06:15, 6.15s/it]print_dice: 0.
43101945519447327, print_iou: 0.27471306920051575
9698 Epoch 51/499: 62%|███████| 100/160 [10:23<06:09, 6.15s/it]print_dice: 0.
5463882088661194, print_iou: 0.37588316202163696
9699 Epoch 51/499: 63%|███████| 101/160 [10:29<06:04, 6.18s/it]print_dice: 0.
5674479603767395, print_iou: 0.39610984921455383
9700 [100/160] eta: 0:06:14 time: 6.1900 data: 0.0004
9701 Epoch 51/499: 64%|███████| 102/160 [10:36<05:59, 6.21s/it]print_dice: 0.
5348758697509766, print_iou: 0.3650720417499542
9702 print_dice: 0.5136389136314392, print_iou: 0.34556806087493896
9703 Epoch 51/499: 65%|███████| 104/160 [10:48<05:46, 6.19s/it]print_dice: 0.
47668296098709106, print_iou: 0.312924325466156
9704 Epoch 51/499: 66%|███████| 105/160 [10:54<05:40, 6.19s/it]print_dice: 0.
6018665432929993, print_iou: 0.43047860264778137
9705 Epoch 51/499: 66%|███████| 106/160 [11:00<05:33, 6.18s/it]print_dice: 0.
5411366820335388, print_iou: 0.37093034386634827
9706 print_dice: 0.515935480594635, print_iou: 0.34765028953552246
9707 Epoch 51/499: 68%|███████| 108/160 [11:13<05:21, 6.19s/it]print_dice: 0.
45774176716804504, print_iou: 0.2967996895313263
9708 Epoch 51/499: 68%|███████| 109/160 [11:19<05:15, 6.19s/it]print_dice: 0.538753092288971
, print_iou: 0.36869409680366516
9709 Epoch 51/499: 69%|███████| 110/160 [11:25<05:08, 6.16s/it]print_dice: 0.
5485613346099854, print_iou: 0.37794315814971924
9710 Epoch 51/499: 69%|███████| 111/160 [11:31<05:03, 6.18s/it]print_dice: 0.
5421137809753418, print_iou: 0.3718491792678833
9711 Epoch 51/499: 70%|███████| 112/160 [11:38<04:58, 6.22s/it]print_dice: 0.
4811836779117584, print_iou: 0.31681492924690247
9712 Epoch 51/499: 71%|███████| 113/160 [11:44<04:52, 6.23s/it]print_dice: 0.
4203498959541321, print_iou: 0.26610317826271057
9713 Epoch 51/499: 71%|███████| 114/160 [11:50<04:44, 6.19s/it]print_dice: 0.
6058076024055481, print_iou: 0.43452221155166626
9714 Epoch 51/499: 72%|███████| 115/160 [11:56<04:38, 6.20s/it]print_dice: 0.
5331472754478455, print_iou: 0.363463431596756
9715 print_dice: 0.5455960035324097, print_iou: 0.375133752822876
9716 Epoch 51/499: 73%|███████| 117/160 [12:09<04:29, 6.26s/it]print_dice: 0.
5164697766304016, print_iou: 0.34813565015792847
9717 Epoch 51/499: 74%|███████| 118/160 [12:15<04:22, 6.25s/it]print_dice: 0.
6477485299110413, print_iou: 0.4790148437023163
9718 print_dice: 0.465682715177536, print_iou: 0.3035113513469696
9719 Epoch 51/499: 75%|███████| 120/160 [12:27<04:08, 6.21s/it]print_dice: 0.
4711743891239166, print_iou: 0.3081936836242676
9720 Epoch 51/499: 76%|███████| 121/160 [12:34<04:01, 6.18s/it]print_dice: 0.
5839737057685852, print_iou: 0.4124031364917755
9721 Epoch 51/499: 76%|███████| 122/160 [12:40<03:54, 6.18s/it]print_dice: 0.
5651043057441711, print_iou: 0.3938295245170593
9722 Epoch 51/499: 77%|███████| 123/160 [12:46<03:48, 6.17s/it]print_dice: 0.
5297830104827881, print_iou: 0.36034339666366577
9723 Epoch 51/499: 78%|███████| 124/160 [12:52<03:41, 6.16s/it]print_dice: 0.
6026895046234131, print_iou: 0.4313211143016815
9724 Epoch 51/499: 78%|███████| 125/160 [12:58<03:37, 6.20s/it]print_dice: 0.492586225271225
, print_iou: 0.3267757296562195
9725 print_dice: 0.5444557666778564, print_iou: 0.37405648827552795
9726 Epoch 51/499: 79%|███████| 127/160 [13:11<03:23, 6.18s/it]print_dice: 0.
5418771505355835, print_iou: 0.37162652611732483
9727 Epoch 51/499: 80%|███████| 128/160 [13:17<03:18, 6.19s/it]print_dice: 0.
5201953053474426, print_iou: 0.35152968764305115
9728 Epoch 51/499: 81%|███████| 129/160 [13:23<03:11, 6.18s/it]print_dice: 0.
48661085963249207, print_iou: 0.32153716683387756
9729 Epoch 51/499: 81%|███████| 130/160 [13:29<03:04, 6.15s/it]print_dice: 0.
4665280878543854, print_iou: 0.3042299449443817
9730 Epoch 51/499: 82%|███████| 131/160 [13:35<02:58, 6.16s/it]print_dice: 0.
5567176342010498, print_iou: 0.38573023676872253

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9731 print_dice: 0.5522937774658203, print_iou: 0.38149577379226685
9732 Epoch 51/499: 83%|██████████| 133/160 [13:48<02:46, 6.18s/it]print_dice: 0.
5914456844329834, print_iou: 0.4198955297470093
9733 Epoch 51/499: 84%|██████████| 134/160 [13:54<02:41, 6.20s/it]print_dice: 0.
5638678669929504, print_iou: 0.3926295340061188
9734 Epoch 51/499: 84%|██████████| 135/160 [14:00<02:34, 6.20s/it]print_dice: 0.
5142128467559814, print_iou: 0.34608784317970276
9735 Epoch 51/499: 85%|██████████| 136/160 [14:06<02:28, 6.20s/it]print_dice: 0.
49724510312080383, print_iou: 0.3308890163898468
9736 print_dice: 0.5240426063537598, print_iou: 0.355052649974823
9737 Epoch 51/499: 86%|██████████| 138/160 [14:19<02:17, 6.24s/it]print_dice: 0.
5096306800842285, print_iou: 0.3419492542743683
9738 Epoch 51/499: 87%|██████████| 139/160 [14:25<02:10, 6.19s/it]print_dice: 0.530414342880249
, print_iou: 0.3609277904033661
9739 Epoch 51/499: 88%|██████████| 140/160 [14:31<02:03, 6.19s/it]print_dice: 0.
6083977222442627, print_iou: 0.43719223141670227
9740 Epoch 51/499: 88%|██████████| 141/160 [14:37<01:58, 6.24s/it]print_dice: 0.
6167078614234924, print_iou: 0.4458262026309967
9741 Epoch 51/499: 89%|██████████| 142/160 [14:44<01:51, 6.20s/it]print_dice: 0.
49200257658958435, print_iou: 0.3262622058391571
9742 print_dice: 0.5410127639770508, print_iou: 0.37081387639045715
9743 Epoch 51/499: 90%|██████████| 144/160 [14:56<01:38, 6.14s/it]print_dice: 0.
5438101291656494, print_iou: 0.3734472692012787
9744 print_dice: 0.5898288488388062, print_iou: 0.41826754808425903
9745 Epoch 51/499: 91%|██████████| 146/160 [15:08<01:25, 6.11s/it]print_dice: 0.
5122191905975342, print_iou: 0.3442840576171875
9746 Epoch 51/499: 92%|██████████| 147/160 [15:14<01:20, 6.16s/it]print_dice: 0.
5913620591163635, print_iou: 0.4198112487792969
9747 Epoch 51/499: 92%|██████████| 148/160 [15:20<01:13, 6.15s/it]print_dice: 0.
4956534504890442, print_iou: 0.329480916261673
9748 Epoch 51/499: 93%|██████████| 149/160 [15:26<01:07, 6.15s/it]print_dice: 0.
5011953115463257, print_iou: 0.3343966603279114
9749 print_dice: 0.5541494488716125, print_iou: 0.3832688331604004
9750 Epoch 51/499: 94%|██████████| 151/160 [15:39<00:55, 6.19s/it]print_dice: 0.
5040026307106018, print_iou: 0.3369007408618927
9751 Epoch 51/499: 95%|██████████| 152/160 [15:45<00:49, 6.22s/it]print_dice: 0.
6009666323661804, print_iou: 0.42955848574638367
9752 print_dice: 0.5043351650238037, print_iou: 0.3371979892253876
9753 Epoch 51/499: 96%|██████████| 154/160 [15:58<00:37, 6.30s/it]print_dice: 0.
5929977893829346, print_iou: 0.4214618504047394
9754 Epoch 51/499: 97%|██████████| 155/160 [16:04<00:31, 6.31s/it]print_dice: 0.
5191574692726135, print_iou: 0.350582480430603
9755 Epoch 51/499: 98%|██████████| 156/160 [16:10<00:25, 6.28s/it]print_dice: 0.
5694413185119629, print_iou: 0.39805519580841064
9756 Epoch 51/499: 98%|██████████| 157/160 [16:17<00:18, 6.25s/it]print_dice: 0.
49227145314216614, print_iou: 0.32649874687194824
9757 Epoch 51/499: 99%|██████████| 158/160 [16:23<00:12, 6.22s/it]print_dice: 0.
6138438582420349, print_iou: 0.4428388774394989
9758 print_dice: 0.4285152554512024, print_iou: 0.2726817727088928
9759 Epoch 51/499: 100%|██████████| 160/160 [16:35<00:00, 6.20s/it]print_dice: 0.
4809607267379761, print_iou: 0.31662166118621826
9760 [159/160] eta: 0:00:06 time: 6.2048 data: 0.0004
9761 Epoch 51/499: 100%|██████████| 160/160 [16:36<00:00, 6.23s/it]
9762 Total time: 0:16:36 (6.2280 s / it)
9763 Averaged stats: training_loss: -130.9024 (-130.9024) loss_mask: -131.0361 (-131.0361)
loss_dice: 0.1336 (0.1336)
9764 0%|██████████| 0/12 [00:00<?, ?it/s]Net parameter norm: 1053.840435499791
9765 Validating...
9766 Valid_data_loader len: 12
9767 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([4.0552e-04, 4.
2665e-04, 4.3007e-04, ..., 9.9999e-01, 9.9999e-01,
9768 9.9999e-01], grad_fn=<Unique2Backward0>)
9769 8%|██████████| 1/12 [00:09<01:39, 9.06s/it]print_dice: 0.5654208064079285, print_iou: 0.
39413705468177795
9770 [ 0/12] eta: 0:01:48 time: 9.0586 data: 4.8686
9771 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([4.3077e-04, 4.
3516e-04, 4.4256e-04, ..., 9.9998e-01, 9.9998e-01,
9772 9.9998e-01], grad_fn=<Unique2Backward0>)
9773 print_dice: 0.61493980884552, print_iou: 0.4439805746078491

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9774 17%|██████| 2/12 [00:13<01:02, 6.23s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([2.2602e-04, 2.2740e-04, 2.3014e-04, ..., 1.0000e+00, 1.
0000e+00,
9775 1.0000e+00], grad_fn=<Unique2Backward0>)
9776 25%|██████| 3/12 [00:17<00:47, 5.26s/it]print_dice: 0.5411216616630554, print_iou: 0.
3709162473678589
9777 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.4902e-04, 6.
7068e-04, 6.7955e-04, ..., 9.9998e-01, 9.9998e-01,
9778 9.9998e-01], grad_fn=<Unique2Backward0>)
9779 33%|██████| 4/12 [00:21<00:38, 4.79s/it]print_dice: 0.5299876928329468, print_iou: 0.
36053285002708435
9780 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2613e-04, 2.
2755e-04, 2.3022e-04, ..., 1.0000e+00, 1.0000e+00,
9781 1.0000e+00], grad_fn=<Unique2Backward0>)
9782 42%|██████| 5/12 [00:25<00:31, 4.51s/it]print_dice: 0.5841043591499329, print_iou: 0.
4125334918498993
9783 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([2.2607e-04, 2.
2743e-04, 2.3016e-04, ..., 1.0000e+00, 1.0000e+00,
9784 1.0000e+00], grad_fn=<Unique2Backward0>)
9785 50%|██████| 6/12 [00:29<00:26, 4.34s/it]print_dice: 0.514604926109314, print_iou: 0.
34644314646720886
9786 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.8351e-04, 1.
8537e-04, 1.9139e-04, ..., 1.0000e+00, 1.0000e+00,
9787 1.0000e+00], grad_fn=<Unique2Backward0>)
9788 print_dice: 0.4389045536518097, print_iou: 0.2811516523361206
9789 58%|██████| 7/12 [00:33<00:21, 4.31s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([9.7786e-05, 1.0540e-04, 1.0544e-04, ..., 1.0000e+00, 1.
0000e+00,
9790 1.0000e+00], grad_fn=<Unique2Backward0>)
9791 67%|██████| 8/12 [00:37<00:16, 4.25s/it]print_dice: 0.555038571357727, print_iou: 0.
38412001729011536
9792 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.8957e-04, 1.
9233e-04, 1.9386e-04, ..., 1.0000e+00, 1.0000e+00,
9793 1.0000e+00], grad_fn=<Unique2Backward0>)
9794 75%|██████| 9/12 [00:42<00:12, 4.23s/it]print_dice: 0.5729209184646606, print_iou: 0.
4014640152454376
9795 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([1.7938e-04, 1.
8506e-04, 1.8719e-04, ..., 1.0000e+00, 1.0000e+00,
9796 1.0000e+00], grad_fn=<Unique2Backward0>)
9797 print_dice: 0.5807320475578308, print_iou: 0.40917718410491943
9798 83%|██████| 10/12 [00:46<00:08, 4.18s/it]masks_dr shape: torch.Size([1, 1, 32, 32, 32
]) unique sigmoid values: tensor([7.4193e-04, 7.5139e-04, 7.5421e-04, ..., 9.9998e-01, 9.
9998e-01,
9799 9.9998e-01], grad_fn=<Unique2Backward0>)
9800 92%|██████| 11/12 [00:50<00:04, 4.18s/it]print_dice: 0.6209055781364441, print_iou: 0
.4502270221710205
9801 masks_dr shape: torch.Size([1, 1, 32, 32, 32]) unique sigmoid values: tensor([6.0189e-04, 6.
1298e-04, 6.1401e-04, ..., 9.9999e-01, 9.9999e-01,
9802 9.9999e-01], grad_fn=<Unique2Backward0>)
9803 print_dice: 0.5835184454917908, print_iou: 0.41194918751716614
9804 [11/12] eta: 0:00:04 time: 4.5320 data: 0.4063
9805 100%|██████| 12/12 [00:54<00:00, 4.56s/it]
9806 Total time: 0:00:54 (4.5647 s / it)
9807 =====
9808 Averaged stats:
9809 Epoch 52/499: 0%| | 0/160 [00:00<?, ?it/s]epoch: 52 learning rate: 1e-08
9810 Epoch 52/499: 1%| | 1/160 [00:10<27:39, 10.44s/it]print_dice: 0.5224118828773499
, print_iou: 0.35355719923973083
9811 [ 0/160] eta: 0:27:50 time: 10.4394 data: 4.0773
9812 Epoch 52/499: 1%| | 2/160 [00:16<20:54, 7.94s/it]print_dice: 0.47560301423072815
, print_iou: 0.31199419498443604
9813 Epoch 52/499: 2%| | 3/160 [00:22<18:37, 7.12s/it]print_dice: 0.5166971683502197
, print_iou: 0.34834229946136475
9814 Epoch 52/499: 2%| | 4/160 [00:28<17:29, 6.73s/it]print_dice: 0.529313325881958
, print_iou: 0.35990896821022034
9815 Epoch 52/499: 3%| | 5/160 [00:35<16:52, 6.53s/it]print_dice: 0.5414544343948364
, print_iou: 0.37122902274131775
9816 Epoch 52/499: 4%| | 6/160 [00:41<16:36, 6.47s/it]print_dice: 0.5017633438110352
, print_iou: 0.3349025845527649

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9817 print_dice: 0.5636144876480103, print_iou: 0.392383873462677
9818 Epoch 52/499: 5%|█          | 8/160 [00:53<15:57, 6.30s/it]print_dice: 0.5975660681724548
, print_iou: 0.42609214782714844
9819 Epoch 52/499: 6%|█          | 9/160 [01:00<15:49, 6.29s/it]print_dice: 0.5171641707420349
, print_iou: 0.348766952753067
9820 print_dice: 0.4584961533546448, print_iou: 0.2974343001842499
9821 Epoch 52/499: 7%|█          | 11/160 [01:12<15:24, 6.20s/it]print_dice: 0.5453675389289856
, print_iou: 0.37491774559020996
9822 Epoch 52/499: 8%|█          | 12/160 [01:18<15:21, 6.23s/it]print_dice: 0.5380622744560242
, print_iou: 0.3680473268032074
9823 print_dice: 0.5019522309303284, print_iou: 0.3350709080696106
9824 Epoch 52/499: 9%|█          | 14/160 [01:30<15:03, 6.19s/it]print_dice: 0.6280667185783386
, print_iou: 0.4577968120574951
9825 Epoch 52/499: 9%|█          | 15/160 [01:37<15:00, 6.21s/it]print_dice: 0.5355035662651062
, print_iou: 0.36565715074539185
9826 Epoch 52/499: 10%|█         | 16/160 [01:43<14:48, 6.17s/it]print_dice: 0.4481852054595947
, print_iou: 0.28881359100341797
9827 Epoch 52/499: 11%|█         | 17/160 [01:49<14:43, 6.18s/it]print_dice: 0.5648543834686279
, print_iou: 0.3935868442058563
9828 Epoch 52/499: 11%|█         | 18/160 [01:55<14:37, 6.18s/it]print_dice: 0.59919273853302
, print_iou: 0.4277481734752655
9829 Epoch 52/499: 12%|█         | 19/160 [02:01<14:30, 6.17s/it]print_dice: 0.507736086845398
, print_iou: 0.34024548530578613
9830 print_dice: 0.4812663793563843, print_iou: 0.31688663363456726
9831 Epoch 52/499: 13%|█         | 21/160 [02:14<14:22, 6.20s/it]print_dice: 0.591275691986084
, print_iou: 0.4197241961956024
9832 Epoch 52/499: 14%|█         | 22/160 [02:20<14:09, 6.16s/it]print_dice: 0.4895707368850708
, print_iou: 0.3241268992424011
9833 print_dice: 0.5177093148231506, print_iou: 0.3492630124092102
9834 Epoch 52/499: 15%|█         | 24/160 [02:32<14:01, 6.19s/it]print_dice: 0.5166788697242737
, print_iou: 0.3483256995677948
9835 Epoch 52/499: 16%|█         | 25/160 [02:38<13:55, 6.19s/it]print_dice: 0.6036791801452637
, print_iou: 0.43233558535575867
9836 Epoch 52/499: 16%|█         | 26/160 [02:45<13:49, 6.19s/it]print_dice: 0.4689719080924988
, print_iou: 0.3063117563724518
9837 Epoch 52/499: 17%|█         | 27/160 [02:51<13:43, 6.19s/it]print_dice: 0.5558974742889404
, print_iou: 0.3849432170391083
9838 Epoch 52/499: 18%|█         | 28/160 [02:57<13:41, 6.23s/it]print_dice: 0.5409141778945923
, print_iou: 0.3707212805747986
9839 Epoch 52/499: 18%|█         | 29/160 [03:03<13:34, 6.22s/it]print_dice: 0.476117879152298
, print_iou: 0.3124374747276306
9840 Epoch 52/499: 19%|█         | 30/160 [03:09<13:28, 6.22s/it]print_dice: 0.5541895031929016
, print_iou: 0.38330715894699097
9841 Epoch 52/499: 19%|█         | 31/160 [03:16<13:21, 6.21s/it]print_dice: 0.5410010814666748
, print_iou: 0.3708029091358185
9842 Epoch 52/499: 20%|█         | 32/160 [03:22<13:14, 6.21s/it]print_dice: 0.5853485465049744
, print_iou: 0.41377580165863037
9843 Epoch 52/499: 21%|█         | 33/160 [03:28<13:12, 6.24s/it]print_dice: 0.5084170699119568
, print_iou: 0.3408573865890503
9844 Epoch 52/499: 21%|█         | 34/160 [03:34<13:04, 6.23s/it]print_dice: 0.5059535503387451
, print_iou: 0.33864647150039673
9845 Epoch 52/499: 22%|█         | 35/160 [03:41<12:55, 6.21s/it]print_dice: 0.5441134572029114
, print_iou: 0.37373343110084534
9846 Epoch 52/499: 22%|█         | 36/160 [03:47<12:47, 6.19s/it]print_dice: 0.6155592203140259
, print_iou: 0.4446265995502472
9847 Epoch 52/499: 23%|█         | 37/160 [03:53<12:42, 6.20s/it]print_dice: 0.5796022415161133
, print_iou: 0.4080563187599182
9848 Epoch 52/499: 24%|█         | 38/160 [03:59<12:33, 6.18s/it]print_dice: 0.5068540573120117
, print_iou: 0.339453786611557
9849 print_dice: 0.5625360012054443, print_iou: 0.3913392126560211
9850 Epoch 52/499: 25%|█         | 40/160 [04:11<12:20, 6.17s/it]print_dice: 0.5380470156669617
, print_iou: 0.3680330812931061
9851 print_dice: 0.5180904269218445, print_iou: 0.34961000084877014
9852 Epoch 52/499: 26%|█         | 42/160 [04:24<12:13, 6.21s/it]print_dice: 0.
49203261733055115, print_iou: 0.326288640499115
9853 Epoch 52/499: 27%|█         | 43/160 [04:30<12:16, 6.30s/it]print_dice: 0.5708080530166626
, print_iou: 0.39939215779304504
9854 Epoch 52/499: 28%|█         | 44/160 [04:37<12:13, 6.32s/it]print_dice: 0.5869576334953308
, print_iou: 0.4153856933116913

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9855 Epoch 52/499: 28%|██████| 45/160 [04:43<12:00, 6.26s/it]print_dice: 0.
    49855849146842957, print_iou: 0.33205321431159973
9856 Epoch 52/499: 29%|██████| 46/160 [04:49<11:49, 6.22s/it]print_dice: 0.5877125859260559
    , print_iou: 0.4161423444747925
9857 Epoch 52/499: 29%|██████| 47/160 [04:55<11:43, 6.22s/it]print_dice: 0.5153270363807678
    , print_iou: 0.3470980226993561
9858 Epoch 52/499: 30%|██████| 48/160 [05:01<11:35, 6.21s/it]print_dice: 0.5317131280899048
    , print_iou: 0.36213165521621704
9859 Epoch 52/499: 31%|██████| 49/160 [05:08<11:36, 6.28s/it]print_dice: 0.5535814166069031
    , print_iou: 0.3827255964279175
9860 Epoch 52/499: 31%|██████| 50/160 [05:14<11:33, 6.30s/it]print_dice: 0.5026649236679077
    , print_iou: 0.33570635318756104
9861 Epoch 52/499: 32%|██████| 51/160 [05:21<11:35, 6.38s/it]print_dice: 0.4419790208339691
    , print_iou: 0.2836797833442688
9862 print_dice: 0.6182073950767517, print_iou: 0.4473952054977417
9863 Epoch 52/499: 33%|██████| 53/160 [05:35<11:55, 6.68s/it]print_dice: 0.
    44475090503692627, print_iou: 0.2859676480293274
9864 print_dice: 0.5530513525009155, print_iou: 0.3822190463542938
9865 Epoch 52/499: 34%|██████| 55/160 [05:47<11:07, 6.35s/it]print_dice: 0.5347089171409607
    , print_iou: 0.36491653323173523
9866 Epoch 52/499: 35%|██████| 56/160 [05:53<10:49, 6.25s/it]print_dice: 0.5158197283744812
    , print_iou: 0.34754517674446106
9867 Epoch 52/499: 36%|██████| 57/160 [05:59<10:41, 6.22s/it]print_dice: 0.5643044710159302
    , print_iou: 0.39305299520492554
9868 print_dice: 0.5085470676422119, print_iou: 0.34097424149513245
9869 Epoch 52/499: 37%|██████| 59/160 [06:11<10:20, 6.15s/it]print_dice: 0.
    48542314767837524, print_iou: 0.32050082087516785
9870 Epoch 52/499: 38%|██████| 60/160 [06:17<10:12, 6.12s/it]print_dice: 0.5810495615005493
    , print_iou: 0.40949249267578125
9871 Epoch 52/499: 38%|██████| 61/160 [06:23<10:04, 6.11s/it]print_dice: 0.5436202883720398
    , print_iou: 0.3732682764530182
9872 print_dice: 0.4747171998023987, print_iou: 0.3112322688102722
9873 Epoch 52/499: 39%|██████| 63/160 [06:36<09:59, 6.18s/it]print_dice: 0.5224753022193909
    , print_iou: 0.35361525416374207
9874 Epoch 52/499: 40%|██████| 64/160 [06:42<09:50, 6.15s/it]print_dice: 0.5401721000671387
    , print_iou: 0.37002453207969666
9875 Epoch 52/499: 41%|██████| 65/160 [06:48<09:44, 6.16s/it]print_dice: 0.5349518060684204
    , print_iou: 0.3651427924633026
9876 Epoch 52/499: 41%|██████| 66/160 [06:54<09:35, 6.12s/it]print_dice: 0.4634116291999817
    , print_iou: 0.30158478021621704
9877 Epoch 52/499: 42%|██████| 67/160 [07:00<09:25, 6.08s/it]print_dice: 0.5101330876350403
    , print_iou: 0.34240177273750305
9878 Epoch 52/499: 42%|██████| 68/160 [07:06<09:19, 6.08s/it]print_dice: 0.5931650400161743
    , print_iou: 0.4216308295726776
9879 print_dice: 0.5030244588851929, print_iou: 0.3360271751880646
9880 Epoch 52/499: 44%|██████| 70/160 [07:19<09:12, 6.14s/it]print_dice: 0.4951152205467224
    , print_iou: 0.3290053904056549
9881 Epoch 52/499: 44%|██████| 71/160 [07:25<09:15, 6.24s/it]print_dice: 0.4991041421890259
    , print_iou: 0.3325374722480774
9882 print_dice: 0.4978126287460327, print_iou: 0.331391841173172
9883 Epoch 52/499: 46%|██████| 73/160 [07:38<09:02, 6.24s/it]print_dice: 0.
    42807579040527344, print_iou: 0.2723259925842285
9884 Epoch 52/499: 46%|██████| 74/160 [07:44<08:52, 6.19s/it]print_dice: 0.5733102560043335
    , print_iou: 0.4018464684486389
9885 print_dice: 0.4709506034851074, print_iou: 0.308002233505249
9886 Epoch 52/499: 48%|██████| 76/160 [07:56<08:38, 6.18s/it]print_dice: 0.6125270128250122
    , print_iou: 0.4414695203304291
9887 print_dice: 0.5285045504570007, print_iou: 0.35916152596473694
9888 Epoch 52/499: 49%|██████| 78/160 [08:08<08:25, 6.17s/it]print_dice: 0.4771130383014679
    , print_iou: 0.3132951259613037
9889 Epoch 52/499: 49%|██████| 79/160 [08:15<08:16, 6.13s/it]print_dice: 0.5318766236305237
    , print_iou: 0.362283319234848
9890 print_dice: 0.5117987394332886, print_iou: 0.3439042270183563
9891 Epoch 52/499: 51%|██████| 81/160 [08:27<08:12, 6.23s/it]print_dice: 0.5235913395881653
    , print_iou: 0.3546384871006012
9892 print_dice: 0.5312524437904358, print_iou: 0.36170437932014465
9893 Epoch 52/499: 52%|██████| 83/160 [08:40<07:59, 6.23s/it]print_dice: 0.507876992225647
    , print_iou: 0.34037208557128906
9894 Epoch 52/499: 52%|██████| 84/160 [08:46<07:50, 6.18s/it]print_dice: 0.5475887656211853

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9894 , print_iou: 0.3770204484462738
9895 Epoch 52/499: 53%|███████| 85/160 [08:52<07:42, 6.16s/it]print_dice: 0.5389282703399658
, print_iou: 0.3688581883907318
9896 print_dice: 0.4485625624656677, print_iou: 0.28912708163261414
9897 Epoch 52/499: 54%|███████| 87/160 [09:04<07:30, 6.18s/it]print_dice: 0.5149625539779663
, print_iou: 0.346767395734787
9898 Epoch 52/499: 55%|███████| 88/160 [09:10<07:24, 6.17s/it]print_dice: 0.5705336332321167
, print_iou: 0.39912348985671997
9899 Epoch 52/499: 56%|███████| 89/160 [09:16<07:17, 6.16s/it]print_dice: 0.5418459177017212
, print_iou: 0.37159717082977295
9900 Epoch 52/499: 56%|███████| 90/160 [09:23<07:09, 6.13s/it]print_dice: 0.540221631526947
, print_iou: 0.3700709939002991
9901 Epoch 52/499: 57%|███████| 91/160 [09:29<07:09, 6.23s/it]print_dice: 0.5595458149909973
, print_iou: 0.38845095038414
9902 print_dice: 0.5172617435455322, print_iou: 0.34885573387145996
9903 Epoch 52/499: 58%|███████| 93/160 [09:41<06:54, 6.19s/it]print_dice: 0.5703924298286438
, print_iou: 0.3989853262901306
9904 print_dice: 0.564105212688446, print_iou: 0.39285972714424133
9905 Epoch 52/499: 59%|███████| 95/160 [09:54<06:48, 6.28s/it]print_dice: 0.
48182961344718933, print_iou: 0.31737518310546875
9906 print_dice: 0.5468828082084656, print_iou: 0.3763514757156372
9907 Epoch 52/499: 61%|███████| 97/160 [10:06<06:31, 6.22s/it]print_dice: 0.5458657145500183
, print_iou: 0.3753887712955475
9908 Epoch 52/499: 61%|███████| 98/160 [10:12<06:23, 6.19s/it]print_dice: 0.528212308883667
, print_iou: 0.35889163613319397
9909 Epoch 52/499: 62%|███████| 99/160 [10:19<06:15, 6.15s/it]print_dice: 0.5345419645309448
, print_iou: 0.36476099491119385
9910 Epoch 52/499: 62%|███████| 100/160 [10:25<06:10, 6.17s/it]print_dice: 0.
5815034508705139, print_iou: 0.40994352102279663
9911 Epoch 52/499: 63%|███████| 101/160 [10:31<06:10, 6.27s/it]print_dice: 0.
6037834286689758, print_iou: 0.4324425458908081
9912 [100/160] eta: 0:06:15 time: 6.2075 data: 0.0004
9913 print_dice: 0.5447202324867249, print_iou: 0.37430623173713684
9914 Epoch 52/499: 64%|███████| 103/160 [10:44<05:55, 6.24s/it]print_dice: 0.
5536022782325745, print_iou: 0.38274556398391724
9915 print_dice: 0.538856029510498, print_iou: 0.36879050731658936
9916 Epoch 52/499: 66%|███████| 105/160 [10:57<05:52, 6.41s/it]print_dice: 0.
4937899112701416, print_iou: 0.3278360068798065
9917 print_dice: 0.5156676769256592, print_iou: 0.34740713238716125
9918 Epoch 52/499: 67%|███████| 107/160 [11:10<05:46, 6.53s/it]print_dice: 0.
47453874349594116, print_iou: 0.31107884645462036
9919 print_dice: 0.5628774166107178, print_iou: 0.39166975021362305
9920 Epoch 52/499: 68%|███████| 109/160 [11:23<05:24, 6.37s/it]print_dice: 0.
5982761383056641, print_iou: 0.42681455612182617
9921
```