

✓ AHNet

 Open in Colab

✓ Environment Set Up

✓ Requirements

```
1 !pip install monai[einops]
```

Collecting monai[einops]
 Downloading monai-1.3.1-py3-none-any.whl (1.4 MB)
 1.4/1.4 MB 11.9 MB/s eta 0:00:00
Requirement already satisfied: torch>=1.9 in /usr/local/lib/python3.10/dist-packages (from monai[einops]) (2.3.0+cu121)
Requirement already satisfied: numpy>=1.20 in /usr/local/lib/python3.10/dist-packages (from monai[einops]) (1.25.2)
Collecting einops (from monai[einops])
 Downloading einops-0.8.0-py3-none-any.whl (43 kB)
 43.2/43.2 kB 4.8 MB/s eta 0:00:00
Requirement already satisfied: filelock in /usr/local/lib/python3.10/dist-packages (from torch>=1.9->monai[einops]) (3.14.0)
Requirement already satisfied: typing-extensions>=4.8.0 in /usr/local/lib/python3.10/dist-packages (from torch>=1.9->monai[einops]) (4.1)
Requirement already satisfied: sympy in /usr/local/lib/python3.10/dist-packages (from torch>=1.9->monai[einops]) (1.12)
Requirement already satisfied: networkx in /usr/local/lib/python3.10/dist-packages (from torch>=1.9->monai[einops]) (3.3)
Requirement already satisfied: jinja2 in /usr/local/lib/python3.10/dist-packages (from torch>=1.9->monai[einops]) (3.1.4)
Requirement already satisfied: fsspec in /usr/local/lib/python3.10/dist-packages (from torch>=1.9->monai[einops]) (2023.6.0)
Collecting nvidia-cuda-nvrtc-cu12==12.1.105 (from torch>=1.9->monai[einops])
 Using cached nvidia_cuda_nvrtc_cu12-12.1.105-py3-none-manylinux1_x86_64.whl (23.7 MB)
Collecting nvidia-cuda-runtime-cu12==12.1.105 (from torch>=1.9->monai[einops])
 Using cached nvidia_cuda_runtime_cu12-12.1.105-py3-none-manylinux1_x86_64.whl (823 kB)
Collecting nvidia-cuda-cupti-cu12==12.1.105 (from torch>=1.9->monai[einops])
 Using cached nvidia_cuda_cupti_cu12-12.1.105-py3-none-manylinux1_x86_64.whl (14.1 MB)
Collecting nvidia-cudnn-cu12==8.9.2.26 (from torch>=1.9->monai[einops])
 Using cached nvidia_cudnn_cu12-8.9.2.26-py3-none-manylinux1_x86_64.whl (731.7 MB)
Collecting nvidia-cublas-cu12==12.1.3.1 (from torch>=1.9->monai[einops])
 Using cached nvidia_cublas_cu12-12.1.3.1-py3-none-manylinux1_x86_64.whl (410.6 MB)
Collecting nvidia-cufft-cu12==11.0.2.54 (from torch>=1.9->monai[einops])
 Using cached nvidia_cufft_cu12-11.0.2.54-py3-none-manylinux1_x86_64.whl (121.6 MB)
Collecting nvidia-curand-cu12==10.3.2.106 (from torch>=1.9->monai[einops])
 Using cached nvidia_curand_cu12-10.3.2.106-py3-none-manylinux1_x86_64.whl (56.5 MB)
Collecting nvidia-cusolver-cu12==11.4.5.107 (from torch>=1.9->monai[einops])
 Using cached nvidia_cusolver_cu12-11.4.5.107-py3-none-manylinux1_x86_64.whl (124.2 MB)
Collecting nvidia-cusparse-cu12==12.1.0.106 (from torch>=1.9->monai[einops])
 Using cached nvidia_cusparse_cu12-12.1.0.106-py3-none-manylinux1_x86_64.whl (196.0 MB)
Collecting nvidia-nccl-cu12==2.20.5 (from torch>=1.9->monai[einops])
 Using cached nvidia_nccl_cu12-2.20.5-py3-none-manylinux2014_x86_64.whl (176.2 MB)
Collecting nvidia-nvtx-cu12==12.1.105 (from torch>=1.9->monai[einops])
 Using cached nvidia_nvtx_cu12-12.1.105-py3-none-manylinux1_x86_64.whl (99 kB)
Requirement already satisfied: triton==2.3.0 in /usr/local/lib/python3.10/dist-packages (from torch>=1.9->monai[einops]) (2.3.0)
Collecting nvidia-nvjitlink-cu12 (from nvidia-cusolver-cu12==11.4.5.107->torch>=1.9->monai[einops])
 Downloading nvidia_nvjitlink_cu12-12.5.40-py3-none-manylinux2014_x86_64.whl (21.3 MB)
 21.3/21.3 MB 64.2 MB/s eta 0:00:00
Requirement already satisfied: MarkupSafe>=2.0 in /usr/local/lib/python3.10/dist-packages (from jinja2->torch>=1.9->monai[einops]) (2.1)
Requirement already satisfied: mpmpmath>=0.19 in /usr/local/lib/python3.10/dist-packages (from sympy->torch>=1.9->monai[einops]) (1.3.0)
Installing collected packages: nvidia-nvtx-cu12, nvidia-nvjitlink-cu12, nvidia-nccl-cu12, nvidia-curand-cu12, nvidia-cufft-cu12, nvidia-cusparse-cu12, nvidia-nccl-cu12, nvidia-cuda-cupti-cu12-12.1.105 nvidia-cuda-nvrtc-cu12-12.1.

✓ Colab Integration

```
1 # Set up Colab Workspace  
2 from google.colab import drive  
3  
4 drive.mount('/content/drive', force_remount=True)  
5  
6 !ln -s /content/drive/MyDrive/TFM/data /content/data  
7 !ln -s /content/drive/MyDrive/TFM/utils /content/utils  
8 !ln -s /content/drive/MyDrive/TFM/outputs /content/outputs
```

Mounted at /content/drive

⌄ Imports

```
1 # System
2 import os
3 import time
4 from math import nan
5
6 # Data Load & Visualization
7 import numpy as np
8 import pandas as pd
9 import matplotlib.pyplot as plt
10
11 # Monai
12 from monai.data import DataLoader
13 from monai.losses import DiceLoss
14 from monai.metrics import DiceMetric
15 from monai.data import decollate_batch
16 from monai.utils import set_determinism
17 from monai.handlers.utils import from_engine
18 from monai.inferers import sliding_window_inference
19
20 # PyTorch
21 import torch
22 from torch.utils.data import SequentialSampler
23
24 # Utils
25 from utils.Models import AHNET
26 from utils.Transforms import Transforms
27 from utils.Plots import plot_gt_vs_pred
28 from utils.UCSF_Dataset import UCSF_Dataset
```

⌄ Config

```
1 # Check if CUDA is available
2 device = None
3 if torch.cuda.is_available():
4     device = torch.device("cuda")
5     print("Running on GPU")
6 else:
7     device = torch.device("cpu")
8     print("Running on CPU")
9
10 # Print the device
11 print(f"Device: {device}")
```

→ Running on GPU
Device: cuda

```
1 # Seeds
2 seed = 33
3 set_determinism(seed=seed) # Monai
4 np.random.seed(seed) # Numpy
5 torch.manual_seed(seed) # PyTorch
```

→ <torch._C.Generator at 0x78a7da7c1a50>

```
1 # Configs
2 %matplotlib inline
3 %load_ext cudf.pandas
4 pd.set_option("display.max_columns", None)
```

⌄ User Configurations

```

1 # Model Configurations
2 model_name = "AHNet"
3 model = AHNET
4 b_size = 1 # Batch Size
5 t_size = None # Training Subjects (None for all)
6 v_size = None # Validation Subjects (None for all)
7 spatial_size = (256, 256, 160)
8
9 # Training Configuration
10 init_epoch = 0 # 0 if new training
11 best_epoch = None # Load model if not training from epoch 0 - None if new training
12 max_epochs = 100
13 best_metric = -1
14 best_metric_epoch = -1
15 if best_epoch is not None:
16     best_metric_epoch = best_epoch
17     if os.path.exists(f"outputs/{model_name}/{model_name}_metrics.csv"):
18         df = pd.read_csv(f"outputs/{model_name}/{model_name}_metrics.csv")
19         best_metric = df.loc[df["epoch"] == best_epoch]["metric"].values[0]

```

Load Data

```

1 # Load Subjects Information
2 train_df = pd.read_csv('data/TRAIN.csv')
3 val_df = pd.read_csv('data/VAL.csv')
4 test_df = pd.read_csv('data/TEST.csv')
5
6 train_df.head()

```

CSV

	SubjectID	Sex	CancerType	ScannerType	In-plane voxel size (mm)	Matrix size	Craniotomy/Biopsy/Resection	Prior	Age	Scanner Strength (Tesla)	Slice Thickness (mm)	NumberMetast
0	100381A	Male	Lung	GE 1.5 T Signa HDxt	0.86x0.86	256x256x126		No	71.0	1.5	1.5	
1	100414B	Female	Breast	GE 1.5 T Signa HDxt	0.59x0.59	512x512x50		No	52.0	1.5	3.0	
2	100132B	Male	Lung	GE 1.5 T Signa HDxt	0.5x0.5	512x512x156		No	55.0	1.5	1.2	
3	100212A	Female	Lung	GE 1.5 T Signa HDxt	1.17x1.17	256x256x98		No	52.0	1.5	1.5	
4	100243B	Female	Breast	GE 1.5 T Signa HDxt	0.86x0.86	256x256x100		No	55.0	1.5	1.5	

```

1 transforms = Transforms(seed)
2
3 # Train Dataset
4 train_images = [train_df['T1pre'], train_df['FLAIR'], train_df['T1post'], train_df['T2Synth']]
5 train_labels = train_df['BraTS-seg']
6 train_dataset = UCSF_Dataset(train_images, train_labels, transforms.train(spatial_size=spatial_size), t_size)
7
8 # Validation Dataset
9 val_images = [val_df['T1pre'], val_df['FLAIR'], val_df['T1post'], val_df['T2Synth']]
10 val_labels = val_df['BraTS-seg']
11 val_dataset = UCSF_Dataset(val_images, val_labels, transforms.val(), v_size)
12
13 # Samplers
14 train_sampler = SequentialSampler(train_dataset)
15 val_sampler = SequentialSampler(val_dataset)
16
17 # DataLoaders
18 train_loader = DataLoader(train_dataset, batch_size=b_size, shuffle=False, sampler=train_sampler)
19 val_loader = DataLoader(val_dataset, batch_size=1, shuffle=False, sampler=val_sampler)

```

Training

Parameters

```
1 # Training
2 VAL_AMP = True
3 lr = 1e-4
4 weight_decay = 1e-5
5
6 # Report Frequency
7 plt_imgs = []
8 val_interval = 1
9 plot_interval = 1
10 best_metric_update = False
11 best_metric_update_epoch = best_epoch if best_epoch is not None else -1
12 max_step = len(train_dataset) // train_loader.batch_size - 1
13 max_val_step = len(val_dataset) // val_loader.batch_size - 3
14
15 # Metrics Storages
16 best_metrics_epochs_and_time = [[], [], []]
17 epoch_loss_values = []
18 val_loss_values = []
19 metric_values = []
20 metric_values_tc = []
21 metric_values_wt = []
22 metric_values_et = []
```

Model, Loss, Optimizer & Inference

```

1 # Model
2 model.to(device)
3
4 # Load model from file
5 if best_epoch is not None:
6     if os.path.exists(f"outputs/{model_name}/{model_name}_{best_epoch}.pth"):
7         model.load_state_dict(torch.load(f"outputs/{model_name}/{model_name}_{best_epoch}.pth"))
8
9 # Report File Headers
10 if best_epoch is None:
11     with open(f"outputs/{model_name}/{model_name}_metrics.csv", "a") as f:
12         f.write(f"epoch,metric,metric_tc,metric_wt,metric_et,train_loss,val_loss\n")
13
14 # Loss Function
15 loss_function = DiceLoss(smooth_nr=1e-5, smooth_dr=1e-5, squared_pred=True, to_onehot_y=False, sigmoid=True)
16
17 # Optimizer
18 optimizer = torch.optim.Adam(model.parameters(), lr, weight_decay=weight_decay)
19 lr_scheduler = torch.optim.lr_scheduler.CosineAnnealingLR(optimizer, T_max=max_epochs)
20
21 # Metrics
22 dice_metric = DiceMetric(include_background=True, reduction="mean")
23 dice_metric_batch = DiceMetric(include_background=True, reduction="mean_batch")
24
25 # Inference Method
26 def inference(input):
27     def _compute(input):
28         return sliding_window_inference(
29             inputs=input,
30             roi_size=spatial_size,
31             sw_batch_size=1,
32             predictor=model,
33             overlap=0.5,
34         )
35
36     if VAL_AMP:
37         with torch.cuda.amp.autocast():
38             return _compute(input)
39     else:
40         return _compute(input)
41
42 # AMP to accelerate training
43 scaler = torch.cuda.amp.GradScaler()
44
45 # enable cuDNN benchmark
46 torch.backends.cudnn.benchmark = True

```

▼ Training Process

```

1 total_start = time.time()
2 for epoch in range(init_epoch, max_epochs):
3     epoch_start = time.time()
4     print("-" * 10)
5     print(f"epoch {epoch + 1}/{max_epochs}")
6
7     # TRAINING
8     model.train()
9     epoch_loss = 0
10    step = 0
11    print('TRAIN')
12    for batch_data in train_loader:
13        step_start = time.time()
14        step += 1
15        inputs, labels = (
16            batch_data["image"].to(device),
17            batch_data["label"].to(device),
18        )
19        optimizer.zero_grad()
20        with torch.cuda.amp.autocast():
21            outputs = model(inputs)
22            loss = loss_function(outputs, labels)
23            scaler.scale(loss).backward()
24            scaler.step(optimizer)
25            scaler.update()
26            epoch_loss += loss.item()

```

```

27
28     # Batch Information
29     print(f"    Batch {step}/{len(train_dataset)} // train_loader.batch_size}"
30         f", train_loss: {loss.item():.4f}"
31         f", step time: {(time.time() - step_start):.4f}")
32
33     # Store the image to plot
34     if step == max_step:
35         plt_imgs = [labels[0], transforms.post()(outputs[0])]
36
37     # Epoch Training Loss
38     lr_scheduler.step()
39     epoch_loss /= step
40     epoch_loss_values.append(epoch_loss)
41
42     # Plot the Img
43     if (epoch + 1) % plot_interval == 0:
44         plot_gt_vs_pred(plt_imgs[0], plt_imgs[1], True)
45
46     # VALIDATION
47     print('VAL')
48     val_loss = 0
49     val_step = 0
50     if (epoch + 1) % val_interval == 0:
51         model.eval()
52         with torch.no_grad():
53             best_val_dice = -1
54             for val_data in val_loader:
55                 val_inputs, val_labels = (
56                     val_data["image"].to(device),
57                     val_data["label"].to(device),
58                 )
59                 val_step += 1
60                 val_outputs = inference(val_inputs)
61                 loss_value = loss_function(val_outputs[0], val_labels[0])
62                 val_loss += loss_value.item()
63
64                 val_outputs = [transforms.post()(x) for x in val_outputs]
65
66                 dice_metric(y_pred=val_outputs, y=val_labels)
67                 dice_metric_batch(y_pred=val_outputs, y=val_labels)
68
69                 # Batch Information
70                 print(f"    Batch {val_step}/{len(val_dataset)} // val_loader.batch_size}"
71                     f", val_loss: {loss_value.item():.4f}")
72
73                 # Store plot image
74                 if val_step == max_val_step:
75                     plt_imgs = [val_labels[0], val_outputs[0]]
76
77                 # Epoch Validation Loss
78                 val_loss /= val_step
79                 val_loss_values.append(val_loss)
80
81                 # Plot the img
82                 if (epoch + 1) % plot_interval == 0:
83                     plot_gt_vs_pred(plt_imgs[0], plt_imgs[1], False)
84
85                 # Metric Calculation
86                 metric = dice_metric.aggregate().item()
87                 metric_values.append(metric)
88                 metric_batch = dice_metric_batch.aggregate()
89                 metric_tc = metric_batch[0].item()
90                 metric_values_tc.append(metric_tc)
91                 metric_wt = metric_batch[1].item()
92                 metric_values_wt.append(metric_wt)
93                 metric_et = metric_batch[2].item()
94                 metric_values_et.append(metric_et)
95                 dice_metric.reset()
96                 dice_metric_batch.reset()
97
98                 # Save Last State
99                 torch.save(
100                     model.state_dict(),
101                     os.path.join(f"outputs/{model_name}/last_{model_name}_{epoch+1}.pth"),
102                 )
103
104                 # Remove previous state

```

```

105     # REMOVE PREVIOUS STATE
106     if epoch > 0:
107         os.remove(
108             os.path.join(f"outputs/{model_name}/last_{model_name}_{epoch}.pth")
109         )
110
111     # Update Best Metric
112     if metric > best_metric:
113         # Save best state
114         best_metric = metric
115         best_metric_epoch = epoch + 1
116         best_metrics_epochs_and_time[0].append(best_metric)
117         best_metrics_epochs_and_time[1].append(best_metric_epoch)
118         best_metrics_epochs_and_time[2].append(time.time() - total_start)
119         # Save best model
120         torch.save(
121             model.state_dict(),
122             os.path.join(f"outputs/{model_name}/best_{model_name}_{epoch+1}.pth"),
123         )
124         # Remove previous best model
125         if best_metric_update_epoch != -1:
126             os.remove(
127                 os.path.join(f"outputs/{model_name}/best_{model_name}_{best_metric_update_epoch}.pth")
128             )
129         # Update best epoch
130         best_metric_update_epoch = epoch + 1
131         best_metric_update = True
132
133     # Save all metrics in csv
134     with open(f"outputs/{model_name}/{model_name}_metrics.csv", "a") as f:
135         f.write(f"{epoch + 1},{metric},{metric_tc},{metric_wt},{metric_et},{epoch_loss},{val_loss}\n")
136
137     # REPORT
138     print(f"epoch {epoch + 1}\n"
139           f"    average train loss: {epoch_loss:.4f}\n"
140           f"    average validation loss: {val_loss:.4f}\n"
141           f"    saved as best model: {best_metric_update}\n"
142           f"    current mean dice: {metric_values[-1]:.4f}\n"
143           f"    current TC dice: {metric_values_tc[-1]:.4f}\n"
144           f"    current WT dice: {metric_values_wt[-1]:.4f}\n"
145           f"    current ET dice: {metric_values_et[-1]:.4f}")
146     print(f"time consuming of epoch {epoch + 1} is: {(time.time() - epoch_start):.4f}")
147     best_metric_update = False
148
149     # When epoch ends, clean GPU memory
150     torch.cuda.empty_cache()
151
152 total_time = time.time() - total_start

```

epoch 1/100

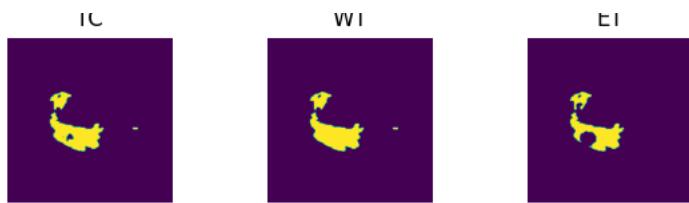
TRAIN

```
Batch 1/248, train_loss: 0.9845, step time: 14.4819
Batch 2/248, train_loss: 1.0000, step time: 1.0419
Batch 3/248, train_loss: 0.9997, step time: 1.0372
Batch 4/248, train_loss: 1.0000, step time: 1.0270
Batch 5/248, train_loss: 0.9985, step time: 1.0406
Batch 6/248, train_loss: 0.9983, step time: 1.0441
Batch 7/248, train_loss: 0.9717, step time: 1.0448
Batch 8/248, train_loss: 0.9946, step time: 1.0397
Batch 9/248, train_loss: 0.9826, step time: 1.0399
Batch 10/248, train_loss: 0.9993, step time: 1.0298
Batch 11/248, train_loss: 0.9985, step time: 1.0409
Batch 12/248, train_loss: 0.9999, step time: 1.0519
Batch 13/248, train_loss: 0.9995, step time: 1.0488
Batch 14/248, train_loss: 0.9608, step time: 1.0420
Batch 15/248, train_loss: 0.9990, step time: 1.0498
Batch 16/248, train_loss: 0.9978, step time: 1.0382
Batch 17/248, train_loss: 0.9999, step time: 1.0286
Batch 18/248, train_loss: 0.9997, step time: 1.0367
Batch 19/248, train_loss: 0.9794, step time: 1.0455
Batch 20/248, train_loss: 0.9971, step time: 1.0524
Batch 21/248, train_loss: 0.9907, step time: 1.0323
Batch 22/248, train_loss: 1.0000, step time: 1.0527
Batch 23/248, train_loss: 1.0000, step time: 1.0442
Batch 24/248, train_loss: 0.9926, step time: 1.0484
Batch 25/248, train_loss: 0.9476, step time: 1.0554
Batch 26/248, train_loss: 0.9997, step time: 1.0437
Batch 27/248, train_loss: 0.9739, step time: 1.0518
Batch 28/248, train_loss: 0.9972, step time: 1.0553
Batch 29/248, train_loss: 0.9999, step time: 1.0486
Batch 30/248, train_loss: 0.9968, step time: 1.0459
Batch 31/248, train_loss: 0.9988, step time: 1.0544
Batch 32/248, train_loss: 0.9888, step time: 1.0630
Batch 33/248, train_loss: 0.9711, step time: 1.0701
Batch 34/248, train_loss: 0.9801, step time: 1.0592
Batch 35/248, train_loss: 0.9910, step time: 1.0573
Batch 36/248, train_loss: 0.9999, step time: 1.0463
Batch 37/248, train_loss: 0.9922, step time: 1.0617
Batch 38/248, train_loss: 0.9983, step time: 1.0709
Batch 39/248, train_loss: 0.9948, step time: 1.0631
Batch 40/248, train_loss: 1.0000, step time: 1.0338
Batch 41/248, train_loss: 0.9847, step time: 1.0585
Batch 42/248, train_loss: 0.9855, step time: 1.0473
Batch 43/248, train_loss: 0.9772, step time: 1.0640
Batch 44/248, train_loss: 0.9928, step time: 1.0692
Batch 45/248, train_loss: 0.9985, step time: 1.0655
Batch 46/248, train_loss: 0.9942, step time: 1.0551
Batch 47/248, train_loss: 0.9965, step time: 1.0635
Batch 48/248, train_loss: 0.9940, step time: 1.0601
Batch 49/248, train_loss: 0.9996, step time: 1.0626
Batch 50/248, train_loss: 0.9971, step time: 1.0490
Batch 51/248, train_loss: 0.9962, step time: 1.0469
Batch 52/248, train_loss: 0.9945, step time: 1.0489
Batch 53/248, train_loss: 0.9983, step time: 1.0455
Batch 54/248, train_loss: 0.9960, step time: 1.0610
Batch 55/248, train_loss: 0.9988, step time: 1.0411
Batch 56/248, train_loss: 0.9962, step time: 1.0417
Batch 57/248, train_loss: 0.9972, step time: 1.0705
Batch 58/248, train_loss: 0.9864, step time: 1.0651
Batch 59/248, train_loss: 0.9896, step time: 1.0429
Batch 60/248, train_loss: 0.9860, step time: 1.0548
Batch 61/248, train_loss: 0.9904, step time: 1.0498
Batch 62/248, train_loss: 0.9990, step time: 1.0541
Batch 63/248, train_loss: 0.9996, step time: 1.0536
Batch 64/248, train_loss: 0.9996, step time: 1.0501
Batch 65/248, train_loss: 0.9973, step time: 1.0640
Batch 66/248, train_loss: 0.9974, step time: 1.0439
Batch 67/248, train_loss: 0.9649, step time: 1.0453
Batch 68/248, train_loss: 0.9812, step time: 1.0630
Batch 69/248, train_loss: 0.9999, step time: 1.0356
Batch 70/248, train_loss: 0.9867, step time: 1.0492
Batch 71/248, train_loss: 0.9777, step time: 1.0576
Batch 72/248, train_loss: 0.9805, step time: 1.0684
Batch 73/248, train_loss: 0.9831, step time: 1.0597
Batch 74/248, train_loss: 0.9999, step time: 1.0473
Batch 75/248, train_loss: 0.9845, step time: 1.0527
Batch 76/248, train_loss: 0.9997, step time: 1.0683
Batch 77/248, train_loss: 0.9999, step time: 1.0451
Batch 78/248, train_loss: 0.9925, step time: 1.0483
Batch 79/248, train_loss: 0.9962, step time: 1.0600
Batch 80/248, train_loss: 0.9975, step time: 1.0699
Batch 81/248, train_loss: 0.9985, step time: 1.0536
```

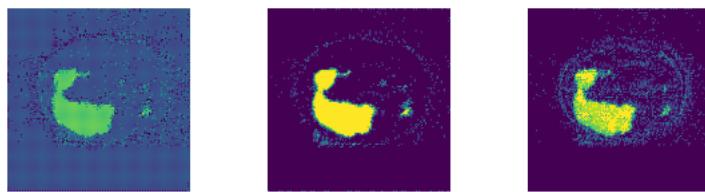
Batch 82/248, train_loss: 0.9840, step time: 1.0475
Batch 83/248, train_loss: 0.9995, step time: 1.0606
Batch 84/248, train_loss: 0.9964, step time: 1.0450
Batch 85/248, train_loss: 0.9998, step time: 1.0574
Batch 86/248, train_loss: 0.9859, step time: 1.0482
Batch 87/248, train_loss: 0.9994, step time: 1.0571
Batch 88/248, train_loss: 0.9993, step time: 1.0515
Batch 89/248, train_loss: 0.9535, step time: 1.0670
Batch 90/248, train_loss: 0.9959, step time: 1.0617
Batch 91/248, train_loss: 0.9998, step time: 1.0433
Batch 92/248, train_loss: 0.9948, step time: 1.0686
Batch 93/248, train_loss: 0.9810, step time: 1.0642
Batch 94/248, train_loss: 0.9998, step time: 1.0685
Batch 95/248, train_loss: 0.9911, step time: 1.0714
Batch 96/248, train_loss: 0.9905, step time: 1.0464
Batch 97/248, train_loss: 1.0000, step time: 1.0513
Batch 98/248, train_loss: 0.9766, step time: 1.0670
Batch 99/248, train_loss: 0.9994, step time: 1.0605
Batch 100/248, train_loss: 0.9999, step time: 1.0500
Batch 101/248, train_loss: 0.9425, step time: 1.0522
Batch 102/248, train_loss: 0.9944, step time: 1.0579
Batch 103/248, train_loss: 0.9997, step time: 1.0507
Batch 104/248, train_loss: 0.9917, step time: 1.0554
Batch 105/248, train_loss: 0.9738, step time: 1.0601
Batch 106/248, train_loss: 0.9969, step time: 1.0442
Batch 107/248, train_loss: 0.9993, step time: 1.0579
Batch 108/248, train_loss: 0.9996, step time: 1.0589
Batch 109/248, train_loss: 0.9998, step time: 1.0491
Batch 110/248, train_loss: 0.9982, step time: 1.0466
Batch 111/248, train_loss: 0.9750, step time: 1.0472
Batch 112/248, train_loss: 0.9782, step time: 1.0510
Batch 113/248, train_loss: 1.0000, step time: 1.0658
Batch 114/248, train_loss: 0.9538, step time: 1.0469
Batch 115/248, train_loss: 0.9930, step time: 1.0825
Batch 116/248, train_loss: 0.9739, step time: 1.0482
Batch 117/248, train_loss: 0.9998, step time: 1.0429
Batch 118/248, train_loss: 0.9991, step time: 1.0430
Batch 119/248, train_loss: 0.9936, step time: 1.0683
Batch 120/248, train_loss: 0.9943, step time: 1.0437
Batch 121/248, train_loss: 0.9986, step time: 1.0554
Batch 122/248, train_loss: 0.9991, step time: 1.0484
Batch 123/248, train_loss: 0.9853, step time: 1.0412
Batch 124/248, train_loss: 0.9992, step time: 1.0442
Batch 125/248, train_loss: 0.9998, step time: 1.0610
Batch 126/248, train_loss: 0.9699, step time: 1.0442
Batch 127/248, train_loss: 0.9947, step time: 1.0476
Batch 128/248, train_loss: 0.9973, step time: 1.0602
Batch 129/248, train_loss: 0.9599, step time: 1.0490
Batch 130/248, train_loss: 0.9619, step time: 1.0505
Batch 131/248, train_loss: 0.9991, step time: 1.0591
Batch 132/248, train_loss: 0.9993, step time: 1.0520
Batch 133/248, train_loss: 0.9242, step time: 1.0653
Batch 134/248, train_loss: 1.0000, step time: 1.0431
Batch 135/248, train_loss: 0.9996, step time: 1.0395
Batch 136/248, train_loss: 0.9970, step time: 1.0494
Batch 137/248, train_loss: 0.9638, step time: 1.0472
Batch 138/248, train_loss: 0.9725, step time: 1.0458
Batch 139/248, train_loss: 0.9734, step time: 1.0731
Batch 140/248, train_loss: 0.9966, step time: 1.0696
Batch 141/248, train_loss: 0.9847, step time: 1.0600
Batch 142/248, train_loss: 0.9996, step time: 1.0503
Batch 143/248, train_loss: 0.9969, step time: 1.0437
Batch 144/248, train_loss: 0.9717, step time: 1.0691
Batch 145/248, train_loss: 0.9303, step time: 1.0419
Batch 146/248, train_loss: 0.9998, step time: 1.0617
Batch 147/248, train_loss: 0.9272, step time: 1.0532
Batch 148/248, train_loss: 0.9989, step time: 1.0400
Batch 149/248, train_loss: 0.9932, step time: 1.0493
Batch 150/248, train_loss: 0.9821, step time: 1.0671
Batch 151/248, train_loss: 0.9990, step time: 1.0499
Batch 152/248, train_loss: 0.9350, step time: 1.0537
Batch 153/248, train_loss: 0.9988, step time: 1.0665
Batch 154/248, train_loss: 0.9998, step time: 1.0617
Batch 155/248, train_loss: 0.9928, step time: 1.0559
Batch 156/248, train_loss: 0.9936, step time: 1.0475
Batch 157/248, train_loss: 0.9746, step time: 1.0571
Batch 158/248, train_loss: 0.9999, step time: 1.0339
Batch 159/248, train_loss: 0.9999, step time: 1.0437
Batch 160/248, train_loss: 0.9829, step time: 1.0416
Batch 161/248, train_loss: 0.9932, step time: 1.0716
Batch 162/248, train_loss: 0.9156, step time: 1.0469
Batch 163/248, train_loss: 0.9994, step time: 1.0442
Batch 164/248, train_loss: 0.9933, step time: 1.0497
Batch 165/248, train_loss: 0.9999, step time: 1.0638
Batch 166/248, train_loss: 0.9986, step time: 1.0659

Batch 167/248, train_loss: 0.9939, step time: 1.0542
Batch 168/248, train_loss: 0.9934, step time: 1.0762
Batch 169/248, train_loss: 0.9850, step time: 1.0620
Batch 170/248, train_loss: 0.9994, step time: 1.0391
Batch 171/248, train_loss: 0.9449, step time: 1.0482
Batch 172/248, train_loss: 0.9999, step time: 1.0499
Batch 173/248, train_loss: 0.9709, step time: 1.0639
Batch 174/248, train_loss: 0.9997, step time: 1.0482
Batch 175/248, train_loss: 0.9551, step time: 1.0548
Batch 176/248, train_loss: 0.9967, step time: 1.0566
Batch 177/248, train_loss: 0.9999, step time: 1.0529
Batch 178/248, train_loss: 0.9817, step time: 1.0530
Batch 179/248, train_loss: 0.9022, step time: 1.0667
Batch 180/248, train_loss: 0.9934, step time: 1.0577
Batch 181/248, train_loss: 0.9667, step time: 1.0564
Batch 182/248, train_loss: 0.9986, step time: 1.0398
Batch 183/248, train_loss: 0.9929, step time: 1.0514
Batch 184/248, train_loss: 0.9987, step time: 1.0640
Batch 185/248, train_loss: 0.9932, step time: 1.0674
Batch 186/248, train_loss: 0.9850, step time: 1.0443
Batch 187/248, train_loss: 0.9867, step time: 1.0638
Batch 188/248, train_loss: 0.9937, step time: 1.0654
Batch 189/248, train_loss: 0.9999, step time: 1.0385
Batch 190/248, train_loss: 0.9865, step time: 1.0456
Batch 191/248, train_loss: 0.9999, step time: 1.0511
Batch 192/248, train_loss: 0.9829, step time: 1.0509
Batch 193/248, train_loss: 0.9964, step time: 1.0543
Batch 194/248, train_loss: 0.9961, step time: 1.0445
Batch 195/248, train_loss: 0.9999, step time: 1.0394
Batch 196/248, train_loss: 1.0000, step time: 1.0389
Batch 197/248, train_loss: 0.9980, step time: 1.0599
Batch 198/248, train_loss: 1.0000, step time: 1.0474
Batch 199/248, train_loss: 0.9938, step time: 1.0490
Batch 200/248, train_loss: 0.9931, step time: 1.0426
Batch 201/248, train_loss: 0.9821, step time: 1.0472
Batch 202/248, train_loss: 0.9960, step time: 1.0436
Batch 203/248, train_loss: 0.9997, step time: 1.0554
Batch 204/248, train_loss: 0.9564, step time: 1.0630
Batch 205/248, train_loss: 0.9984, step time: 1.0464
Batch 206/248, train_loss: 0.9999, step time: 1.0613
Batch 207/248, train_loss: 0.9796, step time: 1.0388
Batch 208/248, train_loss: 0.9929, step time: 1.0479
Batch 209/248, train_loss: 0.9897, step time: 1.0575
Batch 210/248, train_loss: 0.9797, step time: 1.0591
Batch 211/248, train_loss: 0.9779, step time: 1.0602
Batch 212/248, train_loss: 0.9972, step time: 1.0563
Batch 213/248, train_loss: 0.9969, step time: 1.0483
Batch 214/248, train_loss: 0.9875, step time: 1.0450
Batch 215/248, train_loss: 0.9977, step time: 1.0674
Batch 216/248, train_loss: 0.9794, step time: 1.0425
Batch 217/248, train_loss: 0.9987, step time: 1.0427
Batch 218/248, train_loss: 0.9999, step time: 1.0461
Batch 219/248, train_loss: 0.9877, step time: 1.0644
Batch 220/248, train_loss: 0.9978, step time: 1.0564
Batch 221/248, train_loss: 0.9973, step time: 1.0690
Batch 222/248, train_loss: 0.9811, step time: 1.0695
Batch 223/248, train_loss: 0.9631, step time: 1.0683
Batch 224/248, train_loss: 0.9763, step time: 1.0413
Batch 225/248, train_loss: 0.9998, step time: 1.0570
Batch 226/248, train_loss: 0.9987, step time: 1.0444
Batch 227/248, train_loss: 0.9875, step time: 1.0673
Batch 228/248, train_loss: 0.9973, step time: 1.0499
Batch 229/248, train_loss: 0.9597, step time: 1.0639
Batch 230/248, train_loss: 0.9882, step time: 1.0529
Batch 231/248, train_loss: 0.9998, step time: 1.0545
Batch 232/248, train_loss: 0.9875, step time: 1.0656
Batch 233/248, train_loss: 1.0000, step time: 1.0442
Batch 234/248, train_loss: 0.9994, step time: 1.0434
Batch 235/248, train_loss: 0.9996, step time: 1.0492
Batch 236/248, train_loss: 0.9998, step time: 1.0544
Batch 237/248, train_loss: 0.9673, step time: 1.0568
Batch 238/248, train_loss: 0.9833, step time: 1.0679
Batch 239/248, train_loss: 0.8855, step time: 1.0510
Batch 240/248, train_loss: 0.9962, step time: 1.0538
Batch 241/248, train_loss: 0.9999, step time: 1.0553
Batch 242/248, train_loss: 0.9986, step time: 1.0396
Batch 243/248, train_loss: 0.9999, step time: 1.0559
Batch 244/248, train_loss: 0.9995, step time: 1.0700
Batch 245/248, train_loss: 0.9795, step time: 1.0609
Batch 246/248, train_loss: 0.9994, step time: 1.0667
Batch 247/248, train_loss: 0.9240, step time: 1.0672
Batch 248/248, train_loss: 1.0000, step time: 1.0371

Labels



Predictions



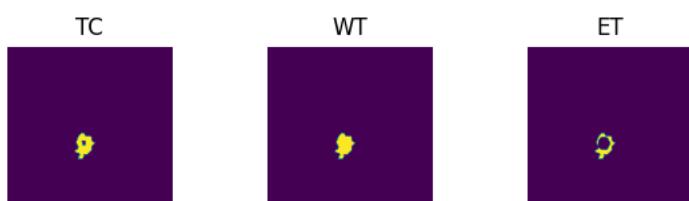
VAL

```

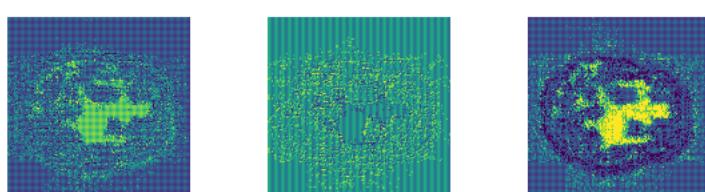
Batch 1/31, val_loss: 0.9919
Batch 2/31, val_loss: 1.0000
Batch 3/31, val_loss: 0.9999
Batch 4/31, val_loss: 0.9992
Batch 5/31, val_loss: 1.0000
Batch 6/31, val_loss: 0.9423
Batch 7/31, val_loss: 0.9876
Batch 8/31, val_loss: 0.9990
Batch 9/31, val_loss: 0.9534
Batch 10/31, val_loss: 0.9985
Batch 11/31, val_loss: 0.9890
Batch 12/31, val_loss: 0.9995
Batch 13/31, val_loss: 0.9988
Batch 14/31, val_loss: 0.9989
Batch 15/31, val_loss: 1.0000
Batch 16/31, val_loss: 0.9996
Batch 17/31, val_loss: 0.9999
Batch 18/31, val_loss: 0.9992
Batch 19/31, val_loss: 0.9783
Batch 20/31, val_loss: 0.9900
Batch 21/31, val_loss: 0.9958
Batch 22/31, val_loss: 0.9998
Batch 23/31, val_loss: 0.9998
Batch 24/31, val_loss: 0.9236
Batch 25/31, val_loss: 0.9779
Batch 26/31, val_loss: 0.9963
Batch 27/31, val_loss: 0.9999
Batch 28/31, val_loss: 0.9842
Batch 29/31, val_loss: 1.0000
Batch 30/31, val_loss: 0.9997
Batch 31/31, val_loss: 0.9996

```

Labels



Predictions



epoch 1

```

average train loss: 0.9885
average validation loss: 0.9904
saved as best model: True
current mean dice: 0.0113
current TC dice: 0.0105
current WT dice: 0.0094
current ET dice: 0.0156

```

Best Mean Metric: 0.0113

time consuming of epoch 1 is: 3273.8541

epoch 2/100

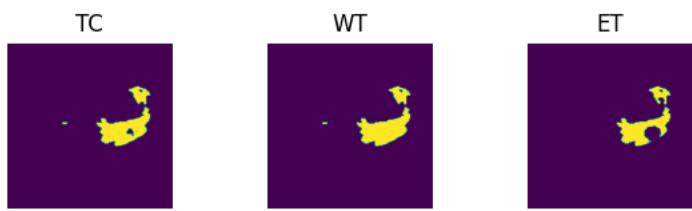
TRAIN

Batch 1/248, train_loss: 0.9536, step time: 1.0588
Batch 2/248, train_loss: 0.9999, step time: 1.0508
Batch 3/248, train_loss: 0.9992, step time: 1.0660
Batch 4/248, train_loss: 0.9999, step time: 1.0344
Batch 5/248, train_loss: 0.9962, step time: 1.0542
Batch 6/248, train_loss: 0.9957, step time: 1.0627
Batch 7/248, train_loss: 0.9297, step time: 1.0638
Batch 8/248, train_loss: 0.9887, step time: 1.0647
Batch 9/248, train_loss: 0.9594, step time: 1.0429
Batch 10/248, train_loss: 0.9985, step time: 1.0408
Batch 11/248, train_loss: 0.9969, step time: 1.0600
Batch 12/248, train_loss: 0.9999, step time: 1.0408
Batch 13/248, train_loss: 0.9989, step time: 1.0599
Batch 14/248, train_loss: 0.9188, step time: 1.0731
Batch 15/248, train_loss: 0.9982, step time: 1.0546
Batch 16/248, train_loss: 0.9958, step time: 1.0475
Batch 17/248, train_loss: 0.9998, step time: 1.0403
Batch 18/248, train_loss: 0.9995, step time: 1.0416
Batch 19/248, train_loss: 0.9605, step time: 1.0472
Batch 20/248, train_loss: 0.9946, step time: 1.0446
Batch 21/248, train_loss: 0.9830, step time: 1.0699
Batch 22/248, train_loss: 1.0000, step time: 1.0487
Batch 23/248, train_loss: 0.9999, step time: 1.0484
Batch 24/248, train_loss: 0.9866, step time: 1.0450
Batch 25/248, train_loss: 0.9112, step time: 1.0592
Batch 26/248, train_loss: 0.9995, step time: 1.0600
Batch 27/248, train_loss: 0.9557, step time: 1.0420
Batch 28/248, train_loss: 0.9952, step time: 1.0459
Batch 29/248, train_loss: 0.9998, step time: 1.0543
Batch 30/248, train_loss: 0.9975, step time: 1.0625
Batch 31/248, train_loss: 0.9980, step time: 1.0488
Batch 32/248, train_loss: 0.9823, step time: 1.0596
Batch 33/248, train_loss: 0.9540, step time: 1.0700
Batch 34/248, train_loss: 0.9687, step time: 1.0647
Batch 35/248, train_loss: 0.9860, step time: 1.0448
Batch 36/248, train_loss: 0.9999, step time: 1.0471
Batch 37/248, train_loss: 0.9882, step time: 1.0464
Batch 38/248, train_loss: 0.9975, step time: 1.0661
Batch 39/248, train_loss: 0.9896, step time: 1.0404
Batch 40/248, train_loss: 1.0000, step time: 1.0494
Batch 41/248, train_loss: 0.9766, step time: 1.0623
Batch 42/248, train_loss: 0.9779, step time: 1.0391
Batch 43/248, train_loss: 0.9644, step time: 1.0589
Batch 44/248, train_loss: 0.9918, step time: 1.0495
Batch 45/248, train_loss: 0.9977, step time: 1.0628
Batch 46/248, train_loss: 0.9911, step time: 1.0627
Batch 47/248, train_loss: 0.9947, step time: 1.0571
Batch 48/248, train_loss: 0.9912, step time: 1.0421
Batch 49/248, train_loss: 0.9995, step time: 1.0415
Batch 50/248, train_loss: 0.9956, step time: 1.0399
Batch 51/248, train_loss: 0.9943, step time: 1.0602
Batch 52/248, train_loss: 0.9916, step time: 1.0614
Batch 53/248, train_loss: 0.9976, step time: 1.0384
Batch 54/248, train_loss: 0.9940, step time: 1.0600
Batch 55/248, train_loss: 0.9984, step time: 1.0396
Batch 56/248, train_loss: 0.9943, step time: 1.0557
Batch 57/248, train_loss: 0.9956, step time: 1.0432
Batch 58/248, train_loss: 0.9798, step time: 1.0568
Batch 59/248, train_loss: 0.9846, step time: 1.0601
Batch 60/248, train_loss: 0.9790, step time: 1.0467
Batch 61/248, train_loss: 0.9856, step time: 1.0380
Batch 62/248, train_loss: 0.9986, step time: 1.0548
Batch 63/248, train_loss: 0.9996, step time: 1.0464
Batch 64/248, train_loss: 0.9995, step time: 1.0594
Batch 65/248, train_loss: 0.9965, step time: 1.0394
Batch 66/248, train_loss: 0.9959, step time: 1.0469
Batch 67/248, train_loss: 0.9498, step time: 1.0555
Batch 68/248, train_loss: 0.9732, step time: 1.0581
Batch 69/248, train_loss: 0.9999, step time: 1.0475
Batch 70/248, train_loss: 0.9809, step time: 1.0459
Batch 71/248, train_loss: 0.9678, step time: 1.0687
Batch 72/248, train_loss: 0.9720, step time: 1.0457
Batch 73/248, train_loss: 0.9758, step time: 1.0388
Batch 74/248, train_loss: 1.0000, step time: 1.0361
Batch 75/248, train_loss: 0.9774, step time: 1.0457
Batch 76/248, train_loss: 0.9996, step time: 1.0684
Batch 77/248, train_loss: 0.9999, step time: 1.0417
Batch 78/248, train_loss: 0.9892, step time: 1.0404
Batch 79/248, train_loss: 0.9943, step time: 1.0392
Batch 80/248, train_loss: 0.9964, step time: 1.0391
Batch 81/248, train_loss: 0.9978, step time: 1.0575

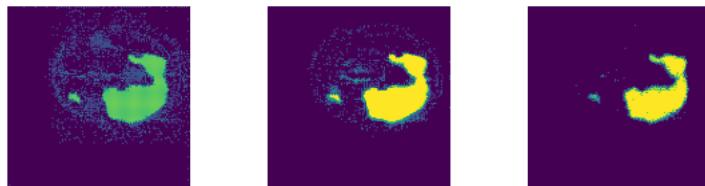
Batch 82/248, train_loss: 0.9771, step time: 1.0526
Batch 83/248, train_loss: 0.9995, step time: 1.0490
Batch 84/248, train_loss: 0.9945, step time: 1.0390
Batch 85/248, train_loss: 0.9997, step time: 1.0595
Batch 86/248, train_loss: 0.9807, step time: 1.0585
Batch 87/248, train_loss: 0.9989, step time: 1.0653
Batch 88/248, train_loss: 0.9991, step time: 1.0580
Batch 89/248, train_loss: 0.9369, step time: 1.0489
Batch 90/248, train_loss: 0.9943, step time: 1.0555
Batch 91/248, train_loss: 0.9997, step time: 1.0469
Batch 92/248, train_loss: 0.9931, step time: 1.0430
Batch 93/248, train_loss: 0.9735, step time: 1.0499
Batch 94/248, train_loss: 0.9997, step time: 1.0561
Batch 95/248, train_loss: 0.9878, step time: 1.0410
Batch 96/248, train_loss: 0.9864, step time: 1.0408
Batch 97/248, train_loss: 1.0000, step time: 1.4144
Batch 98/248, train_loss: 0.9671, step time: 1.0591
Batch 99/248, train_loss: 0.9992, step time: 1.0420
Batch 100/248, train_loss: 0.9999, step time: 1.0316
Batch 101/248, train_loss: 0.9236, step time: 1.0607
Batch 102/248, train_loss: 0.9920, step time: 1.0644
Batch 103/248, train_loss: 0.9996, step time: 1.0385
Batch 104/248, train_loss: 0.9884, step time: 1.0730
Batch 105/248, train_loss: 0.9639, step time: 1.0589
Batch 106/248, train_loss: 0.9956, step time: 1.0394
Batch 107/248, train_loss: 0.9991, step time: 1.0572
Batch 108/248, train_loss: 0.9994, step time: 1.0627
Batch 109/248, train_loss: 0.9998, step time: 1.0650
Batch 110/248, train_loss: 0.9972, step time: 1.0577
Batch 111/248, train_loss: 0.9653, step time: 1.0463
Batch 112/248, train_loss: 0.9691, step time: 1.0488
Batch 113/248, train_loss: 1.0000, step time: 1.0638
Batch 114/248, train_loss: 0.9380, step time: 1.0657
Batch 115/248, train_loss: 0.9903, step time: 1.0634
Batch 116/248, train_loss: 0.9640, step time: 1.0428
Batch 117/248, train_loss: 0.9998, step time: 1.0496
Batch 118/248, train_loss: 0.9990, step time: 1.0505
Batch 119/248, train_loss: 0.9912, step time: 1.0523
Batch 120/248, train_loss: 0.9921, step time: 1.0514
Batch 121/248, train_loss: 0.9980, step time: 1.0667
Batch 122/248, train_loss: 0.9988, step time: 1.0632
Batch 123/248, train_loss: 0.9796, step time: 1.0692
Batch 124/248, train_loss: 0.9989, step time: 1.0523
Batch 125/248, train_loss: 0.9998, step time: 1.0630
Batch 126/248, train_loss: 0.9602, step time: 1.0619
Batch 127/248, train_loss: 0.9925, step time: 1.0410
Batch 128/248, train_loss: 0.9963, step time: 1.0568
Batch 129/248, train_loss: 0.9462, step time: 1.0498
Batch 130/248, train_loss: 0.9478, step time: 1.0698
Batch 131/248, train_loss: 0.9987, step time: 1.0368
Batch 132/248, train_loss: 0.9990, step time: 1.0618
Batch 133/248, train_loss: 0.9033, step time: 1.0605
Batch 134/248, train_loss: 1.0000, step time: 1.0465
Batch 135/248, train_loss: 0.9994, step time: 1.0596
Batch 136/248, train_loss: 0.9959, step time: 1.0603
Batch 137/248, train_loss: 0.9514, step time: 1.0531
Batch 138/248, train_loss: 0.9627, step time: 1.0583
Batch 139/248, train_loss: 0.9649, step time: 1.0637
Batch 140/248, train_loss: 0.9954, step time: 1.0446
Batch 141/248, train_loss: 0.9788, step time: 1.0454
Batch 142/248, train_loss: 0.9996, step time: 1.0634
Batch 143/248, train_loss: 0.9958, step time: 1.0435
Batch 144/248, train_loss: 0.9616, step time: 1.0508
Batch 145/248, train_loss: 0.9089, step time: 1.0481
Batch 146/248, train_loss: 0.9998, step time: 1.0494
Batch 147/248, train_loss: 0.9041, step time: 1.0477
Batch 148/248, train_loss: 0.9986, step time: 1.0531
Batch 149/248, train_loss: 0.9907, step time: 1.0651
Batch 150/248, train_loss: 0.9776, step time: 1.0623
Batch 151/248, train_loss: 0.9987, step time: 1.0436
Batch 152/248, train_loss: 0.9146, step time: 1.0640
Batch 153/248, train_loss: 0.9984, step time: 1.0652
Batch 154/248, train_loss: 0.9997, step time: 1.0441
Batch 155/248, train_loss: 0.9903, step time: 1.0505
Batch 156/248, train_loss: 0.9913, step time: 1.0675
Batch 157/248, train_loss: 0.9682, step time: 1.0599
Batch 158/248, train_loss: 0.9999, step time: 1.0418
Batch 159/248, train_loss: 0.9999, step time: 1.0479
Batch 160/248, train_loss: 0.9768, step time: 1.0449
Batch 161/248, train_loss: 0.9907, step time: 1.0400
Batch 162/248, train_loss: 0.8908, step time: 1.0462
Batch 163/248, train_loss: 0.9992, step time: 1.0652
Batch 164/248, train_loss: 0.9909, step time: 1.0586
Batch 165/248, train_loss: 0.9999, step time: 1.0508
Batch 166/248, train_loss: 0.9981, step time: 1.0485

```
--|----, --|---, ---, --|---, ---, --|---, ----, ---, ----|-----  
Batch 167/248, train_loss: 0.9915, step time: 1.0499  
Batch 168/248, train_loss: 0.9908, step time: 1.0536  
Batch 169/248, train_loss: 0.9792, step time: 1.0754  
Batch 170/248, train_loss: 0.9993, step time: 1.0490  
Batch 171/248, train_loss: 0.9294, step time: 1.0425  
Batch 172/248, train_loss: 0.9999, step time: 1.0440  
Batch 173/248, train_loss: 0.9611, step time: 1.0526  
Batch 174/248, train_loss: 0.9995, step time: 1.0451  
Batch 175/248, train_loss: 0.9381, step time: 1.0454  
Batch 176/248, train_loss: 0.9957, step time: 1.0616  
Batch 177/248, train_loss: 0.9998, step time: 1.0551  
Batch 178/248, train_loss: 0.9751, step time: 1.0391  
Batch 179/248, train_loss: 0.8746, step time: 1.0427  
Batch 180/248, train_loss: 0.9907, step time: 1.0501  
Batch 181/248, train_loss: 0.9540, step time: 1.0662  
Batch 182/248, train_loss: 0.9981, step time: 1.0588  
Batch 183/248, train_loss: 0.9901, step time: 1.0524  
Batch 184/248, train_loss: 0.9982, step time: 1.0429  
Batch 185/248, train_loss: 0.9906, step time: 1.0483  
Batch 186/248, train_loss: 0.9795, step time: 1.0405  
Batch 187/248, train_loss: 0.9805, step time: 1.0489  
Batch 188/248, train_loss: 0.9912, step time: 1.0655  
Batch 189/248, train_loss: 0.9999, step time: 1.0417  
Batch 190/248, train_loss: 0.9810, step time: 1.0440  
Batch 191/248, train_loss: 0.9998, step time: 1.0513  
Batch 192/248, train_loss: 0.9764, step time: 1.0432  
Batch 193/248, train_loss: 0.9950, step time: 1.0504  
Batch 194/248, train_loss: 0.9945, step time: 1.0632  
Batch 195/248, train_loss: 0.9999, step time: 1.0646  
Batch 196/248, train_loss: 1.0000, step time: 1.0344  
Batch 197/248, train_loss: 0.9972, step time: 1.0605  
Batch 198/248, train_loss: 1.0000, step time: 1.0398  
Batch 199/248, train_loss: 0.9913, step time: 1.0608  
Batch 200/248, train_loss: 0.9898, step time: 1.0484  
Batch 201/248, train_loss: 0.9747, step time: 1.0395  
Batch 202/248, train_loss: 0.9941, step time: 1.0616  
Batch 203/248, train_loss: 0.9997, step time: 1.0622  
Batch 204/248, train_loss: 0.9421, step time: 1.0678  
Batch 205/248, train_loss: 0.9978, step time: 1.0373  
Batch 206/248, train_loss: 0.9999, step time: 1.0509  
Batch 207/248, train_loss: 0.9712, step time: 1.0421  
Batch 208/248, train_loss: 0.9899, step time: 1.0406  
Batch 209/248, train_loss: 0.9850, step time: 1.0584  
Batch 210/248, train_loss: 0.9714, step time: 1.0563  
Batch 211/248, train_loss: 0.9686, step time: 1.0522  
Batch 212/248, train_loss: 0.9961, step time: 1.0483  
Batch 213/248, train_loss: 0.9954, step time: 1.0547  
Batch 214/248, train_loss: 0.9818, step time: 1.0588  
Batch 215/248, train_loss: 0.9968, step time: 1.0621  
Batch 216/248, train_loss: 0.9720, step time: 1.0709  
Batch 217/248, train_loss: 0.9982, step time: 1.0468  
Batch 218/248, train_loss: 0.9998, step time: 1.0614  
Batch 219/248, train_loss: 0.9824, step time: 1.0446  
Batch 220/248, train_loss: 0.9968, step time: 1.0598  
Batch 221/248, train_loss: 0.9961, step time: 1.0613  
Batch 222/248, train_loss: 0.9743, step time: 1.0605  
Batch 223/248, train_loss: 0.9483, step time: 1.0428  
Batch 224/248, train_loss: 0.9669, step time: 1.0682  
Batch 225/248, train_loss: 0.9997, step time: 1.0376  
Batch 226/248, train_loss: 0.9982, step time: 1.0536  
Batch 227/248, train_loss: 0.9818, step time: 1.0628  
Batch 228/248, train_loss: 0.9961, step time: 1.0414  
Batch 229/248, train_loss: 0.9444, step time: 1.0661  
Batch 230/248, train_loss: 0.9831, step time: 1.0417  
Batch 231/248, train_loss: 0.9996, step time: 1.0573  
Batch 232/248, train_loss: 0.9818, step time: 1.0600  
Batch 233/248, train_loss: 1.0000, step time: 1.0511  
Batch 234/248, train_loss: 0.9994, step time: 1.0390  
Batch 235/248, train_loss: 0.9994, step time: 1.0485  
Batch 236/248, train_loss: 0.9998, step time: 1.0603  
Batch 237/248, train_loss: 0.9547, step time: 1.0527  
Batch 238/248, train_loss: 0.9762, step time: 1.0390  
Batch 239/248, train_loss: 0.8530, step time: 1.0680  
Batch 240/248, train_loss: 0.9945, step time: 1.0622  
Batch 241/248, train_loss: 0.9999, step time: 1.0513  
Batch 242/248, train_loss: 0.9980, step time: 1.0446  
Batch 243/248, train_loss: 0.9999, step time: 1.0589  
Batch 244/248, train_loss: 0.9993, step time: 1.0449  
Batch 245/248, train_loss: 0.9722, step time: 1.0616  
Batch 246/248, train_loss: 0.9992, step time: 1.0603  
Batch 247/248, train_loss: 0.8986, step time: 1.0513  
Batch 248/248, train_loss: 1.0000, step time: 1.0371
```

Labels



Predictions



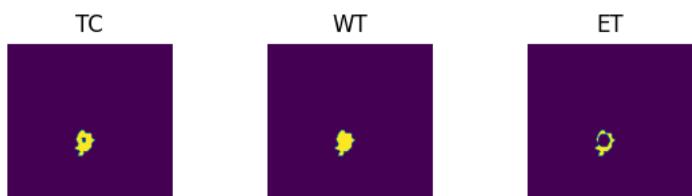
VAL

```

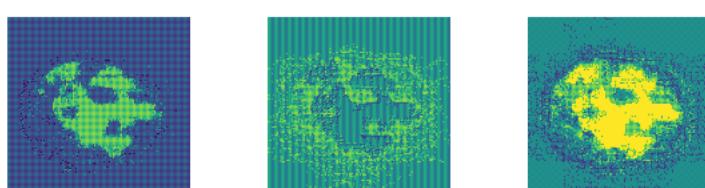
Batch 1/31, val_loss: 0.9906
Batch 2/31, val_loss: 1.0000
Batch 3/31, val_loss: 0.9998
Batch 4/31, val_loss: 0.9988
Batch 5/31, val_loss: 1.0000
Batch 6/31, val_loss: 0.9309
Batch 7/31, val_loss: 0.9861
Batch 8/31, val_loss: 0.9986
Batch 9/31, val_loss: 0.9507
Batch 10/31, val_loss: 0.9983
Batch 11/31, val_loss: 0.9909
Batch 12/31, val_loss: 0.9993
Batch 13/31, val_loss: 0.9989
Batch 14/31, val_loss: 0.9985
Batch 15/31, val_loss: 1.0000
Batch 16/31, val_loss: 0.9996
Batch 17/31, val_loss: 0.9998
Batch 18/31, val_loss: 0.9990
Batch 19/31, val_loss: 0.9739
Batch 20/31, val_loss: 0.9877
Batch 21/31, val_loss: 0.9955
Batch 22/31, val_loss: 0.9997
Batch 23/31, val_loss: 0.9997
Batch 24/31, val_loss: 0.9157
Batch 25/31, val_loss: 0.9781
Batch 26/31, val_loss: 0.9970
Batch 27/31, val_loss: 0.9999
Batch 28/31, val_loss: 0.9826
Batch 29/31, val_loss: 1.0000
Batch 30/31, val_loss: 0.9997
Batch 31/31, val_loss: 0.9995

```

Labels



Predictions



epoch 2

```

average train loss: 0.9836
average validation loss: 0.9893
saved as best model: True
current mean dice: 0.0124
current TC dice: 0.0177
current WT dice: 0.0090
current ET dice: 0.0116
Best Mean Metric: 0.0124

```

```
time consuming of epoch 2 is: 1642.2352
```

```
-----  
epoch 3/100
```

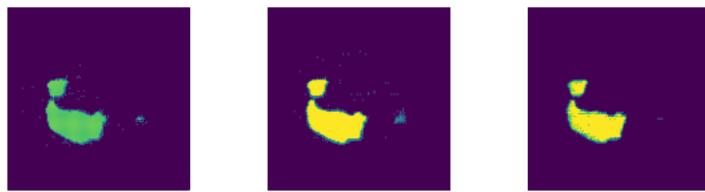
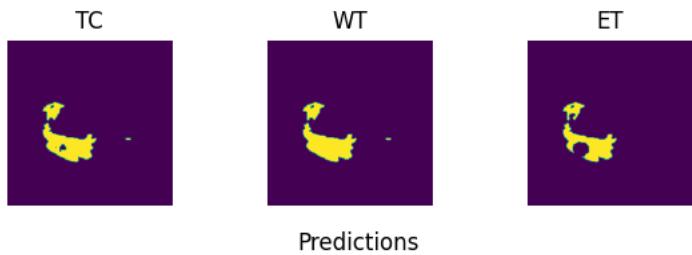
```
TRAIN
```

```
Batch 1/248, train_loss: 0.9378, step time: 1.0663  
Batch 2/248, train_loss: 0.9999, step time: 1.0424  
Batch 3/248, train_loss: 0.9990, step time: 1.0326  
Batch 4/248, train_loss: 0.9999, step time: 1.0438  
Batch 5/248, train_loss: 0.9950, step time: 1.0288  
Batch 6/248, train_loss: 0.9939, step time: 1.0455  
Batch 7/248, train_loss: 0.9055, step time: 1.0313  
Batch 8/248, train_loss: 0.9852, step time: 1.0442  
Batch 9/248, train_loss: 0.9437, step time: 1.0266  
Batch 10/248, train_loss: 0.9980, step time: 1.0440  
Batch 11/248, train_loss: 0.9956, step time: 1.0469  
Batch 12/248, train_loss: 0.9998, step time: 1.0220  
Batch 13/248, train_loss: 0.9985, step time: 1.0266  
Batch 14/248, train_loss: 0.8899, step time: 1.0271  
Batch 15/248, train_loss: 0.9975, step time: 1.0245  
Batch 16/248, train_loss: 0.9941, step time: 1.0269  
Batch 17/248, train_loss: 0.9998, step time: 1.0290  
Batch 18/248, train_loss: 0.9993, step time: 1.0442  
Batch 19/248, train_loss: 0.9452, step time: 1.0261  
Batch 20/248, train_loss: 0.9921, step time: 1.0462  
Batch 21/248, train_loss: 0.9754, step time: 1.0468  
Batch 22/248, train_loss: 1.0000, step time: 1.0481  
Batch 23/248, train_loss: 0.9999, step time: 1.0448  
Batch 24/248, train_loss: 0.9808, step time: 1.0266  
Batch 25/248, train_loss: 0.8837, step time: 1.0373  
Batch 26/248, train_loss: 0.9993, step time: 1.0531  
Batch 27/248, train_loss: 0.9378, step time: 1.0379  
Batch 28/248, train_loss: 0.9934, step time: 1.0511  
Batch 29/248, train_loss: 0.9997, step time: 1.0310  
Batch 30/248, train_loss: 0.9985, step time: 1.0515  
Batch 31/248, train_loss: 0.9973, step time: 1.0573  
Batch 32/248, train_loss: 0.9746, step time: 1.0344  
Batch 33/248, train_loss: 0.9351, step time: 1.0473  
Batch 34/248, train_loss: 0.9553, step time: 1.0528  
Batch 35/248, train_loss: 0.9796, step time: 1.0396  
Batch 36/248, train_loss: 1.0000, step time: 1.0457  
Batch 37/248, train_loss: 0.9827, step time: 1.0447  
Batch 38/248, train_loss: 0.9965, step time: 1.0414  
Batch 39/248, train_loss: 0.9861, step time: 1.0407  
Batch 40/248, train_loss: 1.0000, step time: 1.0415  
Batch 41/248, train_loss: 0.9666, step time: 1.0402  
Batch 42/248, train_loss: 0.9678, step time: 1.0524  
Batch 43/248, train_loss: 0.9487, step time: 1.0480  
Batch 44/248, train_loss: 0.9844, step time: 1.0674  
Batch 45/248, train_loss: 0.9968, step time: 1.0534  
Batch 46/248, train_loss: 0.9868, step time: 1.0458  
Batch 47/248, train_loss: 0.9921, step time: 1.0537  
Batch 48/248, train_loss: 0.9873, step time: 1.0425  
Batch 49/248, train_loss: 0.9992, step time: 1.0392  
Batch 50/248, train_loss: 0.9931, step time: 1.0441  
Batch 51/248, train_loss: 0.9916, step time: 1.0587  
Batch 52/248, train_loss: 0.9870, step time: 1.0315  
Batch 53/248, train_loss: 0.9968, step time: 1.0595  
Batch 54/248, train_loss: 0.9907, step time: 1.0519  
Batch 55/248, train_loss: 0.9973, step time: 1.0349  
Batch 56/248, train_loss: 0.9914, step time: 1.0548  
Batch 57/248, train_loss: 0.9930, step time: 1.0317  
Batch 58/248, train_loss: 0.9701, step time: 1.0370  
Batch 59/248, train_loss: 0.9767, step time: 1.0293  
Batch 60/248, train_loss: 0.9684, step time: 1.0513  
Batch 61/248, train_loss: 0.9779, step time: 1.0348  
Batch 62/248, train_loss: 0.9979, step time: 1.0459  
Batch 63/248, train_loss: 0.9996, step time: 1.0338  
Batch 64/248, train_loss: 0.9993, step time: 1.0213  
Batch 65/248, train_loss: 0.9949, step time: 1.0245  
Batch 66/248, train_loss: 0.9934, step time: 1.0233  
Batch 67/248, train_loss: 0.9278, step time: 1.0226  
Batch 68/248, train_loss: 0.9602, step time: 1.0461  
Batch 69/248, train_loss: 0.9999, step time: 1.0225  
Batch 70/248, train_loss: 0.9709, step time: 1.0362  
Batch 71/248, train_loss: 0.9533, step time: 1.0313  
Batch 72/248, train_loss: 0.9581, step time: 1.0220  
Batch 73/248, train_loss: 0.9642, step time: 1.0371  
Batch 74/248, train_loss: 1.0000, step time: 1.0440  
Batch 75/248, train_loss: 0.9649, step time: 1.0476  
Batch 76/248, train_loss: 0.9995, step time: 1.0245  
Batch 77/248, train_loss: 0.9999, step time: 1.0446  
Batch 78/248, train_loss: 0.9837, step time: 1.0479  
Batch 79/248, train_loss: 0.9914, step time: 1.0247  
Batch 80/248, train_loss: 0.9946, step time: 1.0241  
Batch 81/248, train_loss: 0.9966, step time: 1.0431
```

Batch 81/248, train_loss: 0.9999, step time: 1.0524
Batch 82/248, train_loss: 0.9648, step time: 1.0423
Batch 83/248, train_loss: 0.9994, step time: 1.0430
Batch 84/248, train_loss: 0.9914, step time: 1.0295
Batch 85/248, train_loss: 0.9996, step time: 1.0522
Batch 86/248, train_loss: 0.9718, step time: 1.0475
Batch 87/248, train_loss: 0.9985, step time: 1.0513
Batch 88/248, train_loss: 0.9987, step time: 1.0297
Batch 89/248, train_loss: 0.9085, step time: 1.0448
Batch 90/248, train_loss: 0.9911, step time: 1.0548
Batch 91/248, train_loss: 0.9995, step time: 1.0311
Batch 92/248, train_loss: 0.9895, step time: 1.0381
Batch 93/248, train_loss: 0.9602, step time: 1.0577
Batch 94/248, train_loss: 0.9995, step time: 1.0379
Batch 95/248, train_loss: 0.9802, step time: 1.0403
Batch 96/248, train_loss: 0.9782, step time: 1.0405
Batch 97/248, train_loss: 1.0000, step time: 1.0519
Batch 98/248, train_loss: 0.9492, step time: 1.0656
Batch 99/248, train_loss: 0.9987, step time: 1.0602
Batch 100/248, train_loss: 0.9998, step time: 1.0662
Batch 101/248, train_loss: 0.8909, step time: 1.0659
Batch 102/248, train_loss: 0.9874, step time: 1.0593
Batch 103/248, train_loss: 0.9993, step time: 1.0510
Batch 104/248, train_loss: 0.9809, step time: 1.0641
Batch 105/248, train_loss: 0.9450, step time: 1.0472
Batch 106/248, train_loss: 0.9928, step time: 1.0585
Batch 107/248, train_loss: 0.9985, step time: 1.0552
Batch 108/248, train_loss: 0.9992, step time: 1.0612
Batch 109/248, train_loss: 0.9998, step time: 1.0541
Batch 110/248, train_loss: 0.9951, step time: 1.0646
Batch 111/248, train_loss: 0.9455, step time: 1.0504
Batch 112/248, train_loss: 0.9508, step time: 1.0467
Batch 113/248, train_loss: 1.0000, step time: 1.0437
Batch 114/248, train_loss: 0.9061, step time: 1.0527
Batch 115/248, train_loss: 0.9844, step time: 1.0561
Batch 116/248, train_loss: 0.9433, step time: 1.0674
Batch 117/248, train_loss: 0.9996, step time: 1.0453
Batch 118/248, train_loss: 0.9981, step time: 1.0436
Batch 119/248, train_loss: 0.9856, step time: 1.0463
Batch 120/248, train_loss: 0.9870, step time: 1.0420
Batch 121/248, train_loss: 0.9966, step time: 1.0511
Batch 122/248, train_loss: 0.9981, step time: 1.0427
Batch 123/248, train_loss: 0.9665, step time: 1.0508
Batch 124/248, train_loss: 0.9982, step time: 1.0481
Batch 125/248, train_loss: 0.9997, step time: 1.0645
Batch 126/248, train_loss: 0.9399, step time: 1.0577
Batch 127/248, train_loss: 0.9867, step time: 1.0553
Batch 128/248, train_loss: 0.9940, step time: 1.0437
Batch 129/248, train_loss: 0.9137, step time: 1.0419
Batch 130/248, train_loss: 0.9178, step time: 1.0662
Batch 131/248, train_loss: 0.9978, step time: 1.0371
Batch 132/248, train_loss: 0.9983, step time: 1.0503
Batch 133/248, train_loss: 0.8628, step time: 1.0688
Batch 134/248, train_loss: 1.0000, step time: 1.0474
Batch 135/248, train_loss: 0.9992, step time: 1.0454
Batch 136/248, train_loss: 0.9927, step time: 1.0409
Batch 137/248, train_loss: 0.9225, step time: 1.0584
Batch 138/248, train_loss: 0.9375, step time: 1.0486
Batch 139/248, train_loss: 0.9436, step time: 1.0425
Batch 140/248, train_loss: 0.9923, step time: 1.0481
Batch 141/248, train_loss: 0.9647, step time: 1.0635
Batch 142/248, train_loss: 0.9996, step time: 1.0640
Batch 143/248, train_loss: 0.9925, step time: 1.0377
Batch 144/248, train_loss: 0.9357, step time: 1.0431
Batch 145/248, train_loss: 0.8582, step time: 1.0561
Batch 146/248, train_loss: 0.9998, step time: 1.0517
Batch 147/248, train_loss: 0.8494, step time: 1.0630
Batch 148/248, train_loss: 0.9981, step time: 1.0536
Batch 149/248, train_loss: 0.9825, step time: 1.0649
Batch 150/248, train_loss: 0.9631, step time: 1.0455
Batch 151/248, train_loss: 0.9976, step time: 1.0652
Batch 152/248, train_loss: 0.8586, step time: 1.0408
Batch 153/248, train_loss: 0.9971, step time: 1.0520
Batch 154/248, train_loss: 0.9993, step time: 1.0548
Batch 155/248, train_loss: 0.9814, step time: 1.0494
Batch 156/248, train_loss: 0.9829, step time: 1.0497
Batch 157/248, train_loss: 0.9447, step time: 1.0691
Batch 158/248, train_loss: 0.9998, step time: 1.0601
Batch 159/248, train_loss: 0.9998, step time: 1.0531
Batch 160/248, train_loss: 0.9549, step time: 1.0701
Batch 161/248, train_loss: 0.9814, step time: 1.0395
Batch 162/248, train_loss: 0.8222, step time: 1.0461
Batch 163/248, train_loss: 0.9984, step time: 1.0450
Batch 164/248, train_loss: 0.9814, step time: 1.0526
Batch 165/248, train_loss: 0.9999, step time: 1.0392
...

Batch 165/248, train_loss: 0.9963, step time: 1.0600
Batch 167/248, train_loss: 0.9825, step time: 1.0512
Batch 168/248, train_loss: 0.9814, step time: 1.0676
Batch 169/248, train_loss: 0.9551, step time: 1.0452
Batch 170/248, train_loss: 0.9987, step time: 1.0418
Batch 171/248, train_loss: 0.8723, step time: 1.0549
Batch 172/248, train_loss: 0.9999, step time: 1.0493
Batch 173/248, train_loss: 0.9249, step time: 1.0633
Batch 174/248, train_loss: 0.9998, step time: 1.0486
Batch 175/248, train_loss: 0.8834, step time: 1.0592
Batch 176/248, train_loss: 0.9907, step time: 1.0601
Batch 177/248, train_loss: 0.9996, step time: 1.0666
Batch 178/248, train_loss: 0.9479, step time: 1.0711
Batch 179/248, train_loss: 0.7909, step time: 1.0377
Batch 180/248, train_loss: 0.9788, step time: 1.0377
Batch 181/248, train_loss: 0.9032, step time: 1.0575
Batch 182/248, train_loss: 0.9955, step time: 1.0565
Batch 183/248, train_loss: 0.9774, step time: 1.0488
Batch 184/248, train_loss: 0.9957, step time: 1.0441
Batch 185/248, train_loss: 0.9767, step time: 1.0505
Batch 186/248, train_loss: 0.9505, step time: 1.0406
Batch 187/248, train_loss: 0.9489, step time: 1.0384
Batch 188/248, train_loss: 0.9771, step time: 1.0432
Batch 189/248, train_loss: 0.9999, step time: 1.0359
Batch 190/248, train_loss: 0.9525, step time: 1.0401
Batch 191/248, train_loss: 0.9998, step time: 1.0394
Batch 192/248, train_loss: 0.9427, step time: 1.0337
Batch 193/248, train_loss: 0.9875, step time: 1.0365
Batch 194/248, train_loss: 0.9846, step time: 1.0554
Batch 195/248, train_loss: 0.9998, step time: 1.0303
Batch 196/248, train_loss: 1.0000, step time: 1.0580
Batch 197/248, train_loss: 0.9918, step time: 1.0521
Batch 198/248, train_loss: 0.9999, step time: 1.0469
Batch 199/248, train_loss: 0.9769, step time: 1.0525
Batch 200/248, train_loss: 0.9701, step time: 1.0685
Batch 201/248, train_loss: 0.9345, step time: 1.0702
Batch 202/248, train_loss: 0.9838, step time: 1.0604
Batch 203/248, train_loss: 0.9995, step time: 1.0506
Batch 204/248, train_loss: 0.8668, step time: 1.0715
Batch 205/248, train_loss: 0.9937, step time: 1.0553
Batch 206/248, train_loss: 0.9996, step time: 1.0472
Batch 207/248, train_loss: 0.9217, step time: 1.0504
Batch 208/248, train_loss: 0.9713, step time: 1.0657
Batch 209/248, train_loss: 0.9554, step time: 1.0693
Batch 210/248, train_loss: 0.9134, step time: 1.0616
Batch 211/248, train_loss: 0.9068, step time: 1.0391
Batch 212/248, train_loss: 0.9869, step time: 1.0551
Batch 213/248, train_loss: 0.9805, step time: 1.0445
Batch 214/248, train_loss: 0.9342, step time: 1.0615
Batch 215/248, train_loss: 0.9904, step time: 1.0657
Batch 216/248, train_loss: 0.9174, step time: 1.0538
Batch 217/248, train_loss: 0.9946, step time: 1.0680
Batch 218/248, train_loss: 0.9997, step time: 1.0641
Batch 219/248, train_loss: 0.9331, step time: 1.0747
Batch 220/248, train_loss: 0.9870, step time: 1.0531
Batch 221/248, train_loss: 0.9844, step time: 1.0541
Batch 222/248, train_loss: 0.9171, step time: 1.0677
Batch 223/248, train_loss: 0.8374, step time: 1.0592
Batch 224/248, train_loss: 0.8801, step time: 1.0554
Batch 225/248, train_loss: 0.9991, step time: 1.0509
Batch 226/248, train_loss: 0.9928, step time: 1.0355
Batch 227/248, train_loss: 0.9182, step time: 1.0592
Batch 228/248, train_loss: 0.9832, step time: 1.0612
Batch 229/248, train_loss: 0.8394, step time: 1.0588
Batch 230/248, train_loss: 0.9244, step time: 1.0465
Batch 231/248, train_loss: 0.9991, step time: 1.0468
Batch 232/248, train_loss: 0.9061, step time: 1.0443
Batch 233/248, train_loss: 1.0000, step time: 1.0534
Batch 234/248, train_loss: 0.9991, step time: 1.0741
Batch 235/248, train_loss: 0.9984, step time: 1.0654
Batch 236/248, train_loss: 0.9997, step time: 1.0368
Batch 237/248, train_loss: 0.8380, step time: 1.0499
Batch 238/248, train_loss: 0.8789, step time: 1.0597
Batch 239/248, train_loss: 0.7336, step time: 1.0639
Batch 240/248, train_loss: 0.9707, step time: 1.0497
Batch 241/248, train_loss: 0.9998, step time: 1.0556
Batch 242/248, train_loss: 0.9923, step time: 1.0545
Batch 243/248, train_loss: 0.9997, step time: 1.0609
Batch 244/248, train_loss: 0.9981, step time: 1.0311
Batch 245/248, train_loss: 0.8881, step time: 1.0652
Batch 246/248, train_loss: 0.9970, step time: 1.0489
Batch 247/248, train_loss: 0.7386, step time: 1.0574
Batch 248/248, train_loss: 1.0000, step time: 1.0327

Labels



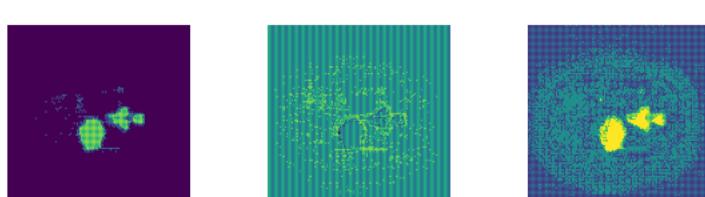
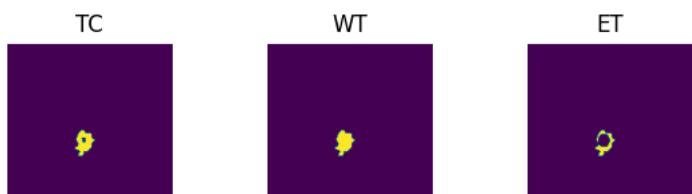
VAL

```

Batch 1/31, val_loss: 0.9767
Batch 2/31, val_loss: 1.0000
Batch 3/31, val_loss: 0.9998
Batch 4/31, val_loss: 0.9933
Batch 5/31, val_loss: 1.0000
Batch 6/31, val_loss: 0.8932
Batch 7/31, val_loss: 0.9740
Batch 8/31, val_loss: 0.9964
Batch 9/31, val_loss: 0.9099
Batch 10/31, val_loss: 0.9952
Batch 11/31, val_loss: 0.9733
Batch 12/31, val_loss: 0.9990
Batch 13/31, val_loss: 0.9967
Batch 14/31, val_loss: 0.9975
Batch 15/31, val_loss: 1.0000
Batch 16/31, val_loss: 0.9991
Batch 17/31, val_loss: 0.9997
Batch 18/31, val_loss: 0.9973
Batch 19/31, val_loss: 0.9452
Batch 20/31, val_loss: 0.9792
Batch 21/31, val_loss: 0.9896
Batch 22/31, val_loss: 0.9992
Batch 23/31, val_loss: 0.9996
Batch 24/31, val_loss: 0.8836
Batch 25/31, val_loss: 0.9497
Batch 26/31, val_loss: 0.9882
Batch 27/31, val_loss: 0.9998
Batch 28/31, val_loss: 0.9549
Batch 29/31, val_loss: 0.9999
Batch 30/31, val_loss: 0.9992
Batch 31/31, val_loss: 0.9987

```

Labels



epoch 3

```

average train loss: 0.9687
average validation loss: 0.9803
saved as best model: True
current mean dice: 0.0508
current TC dice: 0.1267
current WT dice: 0.0097
current ET dice: 0.0179
Post Mean Metric: 0.0500

```

BEST MEAN METRIC: 0.0500

time consuming of epoch 3 is: 1615.2513

epoch 4/100

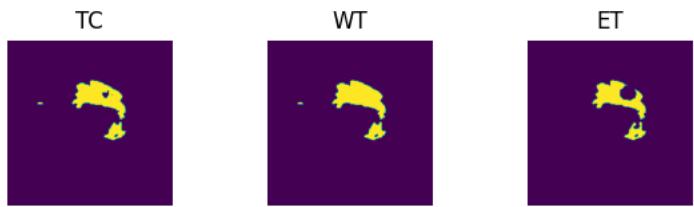
TRAIN

Batch 1/248, train_loss: 0.7834, step time: 1.0540
Batch 2/248, train_loss: 0.9997, step time: 1.0464
Batch 3/248, train_loss: 0.9959, step time: 1.0440
Batch 4/248, train_loss: 0.9998, step time: 1.0619
Batch 5/248, train_loss: 0.9781, step time: 1.0722
Batch 6/248, train_loss: 0.9718, step time: 1.0490
Batch 7/248, train_loss: 0.7368, step time: 1.0626
Batch 8/248, train_loss: 0.9454, step time: 1.0711
Batch 9/248, train_loss: 0.7706, step time: 1.0533
Batch 10/248, train_loss: 0.9887, step time: 1.0686
Batch 11/248, train_loss: 0.9796, step time: 1.0399
Batch 12/248, train_loss: 0.9996, step time: 1.0574
Batch 13/248, train_loss: 0.9914, step time: 1.0450
Batch 14/248, train_loss: 0.7156, step time: 1.0463
Batch 15/248, train_loss: 0.9818, step time: 1.0628
Batch 16/248, train_loss: 0.9343, step time: 1.0673
Batch 17/248, train_loss: 0.9994, step time: 1.0635
Batch 18/248, train_loss: 0.9950, step time: 1.0575
Batch 19/248, train_loss: 0.7878, step time: 1.0659
Batch 20/248, train_loss: 0.9208, step time: 1.0510
Batch 21/248, train_loss: 0.8252, step time: 1.0604
Batch 22/248, train_loss: 1.0000, step time: 1.0380
Batch 23/248, train_loss: 0.9998, step time: 1.0655
Batch 24/248, train_loss: 0.8616, step time: 1.0531
Batch 25/248, train_loss: 0.7616, step time: 1.0456
Batch 26/248, train_loss: 0.9982, step time: 1.0644
Batch 27/248, train_loss: 0.7521, step time: 1.0702
Batch 28/248, train_loss: 0.9192, step time: 1.0505
Batch 29/248, train_loss: 0.9981, step time: 1.0371
Batch 30/248, train_loss: 0.9937, step time: 1.0495
Batch 31/248, train_loss: 0.9792, step time: 1.0394
Batch 32/248, train_loss: 0.8341, step time: 1.0649
Batch 33/248, train_loss: 0.7398, step time: 1.0423
Batch 34/248, train_loss: 0.7578, step time: 1.0440
Batch 35/248, train_loss: 0.8201, step time: 1.0427
Batch 36/248, train_loss: 0.9999, step time: 1.0634
Batch 37/248, train_loss: 0.8383, step time: 1.0577
Batch 38/248, train_loss: 0.9615, step time: 1.0479
Batch 39/248, train_loss: 0.8676, step time: 1.0446
Batch 40/248, train_loss: 0.9999, step time: 1.0361
Batch 41/248, train_loss: 0.8201, step time: 1.0451
Batch 42/248, train_loss: 0.7716, step time: 1.0582
Batch 43/248, train_loss: 0.7573, step time: 1.0445
Batch 44/248, train_loss: 0.8824, step time: 1.0473
Batch 45/248, train_loss: 0.9757, step time: 1.0521
Batch 46/248, train_loss: 0.8631, step time: 1.0399
Batch 47/248, train_loss: 0.8529, step time: 1.0587
Batch 48/248, train_loss: 0.8739, step time: 1.0687
Batch 49/248, train_loss: 0.9895, step time: 1.0668
Batch 50/248, train_loss: 0.8570, step time: 1.0578
Batch 51/248, train_loss: 0.8943, step time: 1.0517
Batch 52/248, train_loss: 0.8370, step time: 1.0746
Batch 53/248, train_loss: 0.9608, step time: 1.0603
Batch 54/248, train_loss: 0.8455, step time: 1.0556
Batch 55/248, train_loss: 0.9738, step time: 1.0599
Batch 56/248, train_loss: 0.9102, step time: 1.0489
Batch 57/248, train_loss: 0.8480, step time: 1.0599
Batch 58/248, train_loss: 0.7812, step time: 1.0700
Batch 59/248, train_loss: 0.7938, step time: 1.0440
Batch 60/248, train_loss: 0.7589, step time: 1.0473
Batch 61/248, train_loss: 0.7723, step time: 1.0546
Batch 62/248, train_loss: 0.9517, step time: 1.0525
Batch 63/248, train_loss: 0.9991, step time: 1.0462
Batch 64/248, train_loss: 0.9918, step time: 1.0453
Batch 65/248, train_loss: 0.9352, step time: 1.0437
Batch 66/248, train_loss: 0.9302, step time: 1.0651
Batch 67/248, train_loss: 0.7431, step time: 1.0457
Batch 68/248, train_loss: 0.7649, step time: 1.0712
Batch 69/248, train_loss: 0.9998, step time: 1.0479
Batch 70/248, train_loss: 0.7784, step time: 1.0551
Batch 71/248, train_loss: 0.7768, step time: 1.0608
Batch 72/248, train_loss: 0.7455, step time: 1.0528
Batch 73/248, train_loss: 0.8125, step time: 1.0480
Batch 74/248, train_loss: 1.0000, step time: 1.0370
Batch 75/248, train_loss: 0.7741, step time: 1.0513
Batch 76/248, train_loss: 0.9914, step time: 1.0697
Batch 77/248, train_loss: 0.9998, step time: 1.0489
Batch 78/248, train_loss: 0.8102, step time: 1.0655
Batch 79/248, train_loss: 0.8491, step time: 1.0494
Batch 80/248, train_loss: 0.8859, step time: 1.0637

Batch 81/248, train_loss: 0.8938, step time: 1.0548
Batch 82/248, train_loss: 0.7537, step time: 1.0654
Batch 83/248, train_loss: 0.9989, step time: 1.0589
Batch 84/248, train_loss: 0.9394, step time: 1.0559
Batch 85/248, train_loss: 0.9986, step time: 1.0387
Batch 86/248, train_loss: 0.9364, step time: 1.0504
Batch 87/248, train_loss: 0.9853, step time: 1.0575
Batch 88/248, train_loss: 0.9898, step time: 1.0572
Batch 89/248, train_loss: 0.8032, step time: 1.0528
Batch 90/248, train_loss: 0.9425, step time: 1.0461
Batch 91/248, train_loss: 0.9903, step time: 1.0581
Batch 92/248, train_loss: 0.9185, step time: 1.0591
Batch 93/248, train_loss: 0.7908, step time: 1.0541
Batch 94/248, train_loss: 0.9890, step time: 1.0584
Batch 95/248, train_loss: 0.7859, step time: 1.0689
Batch 96/248, train_loss: 0.8201, step time: 1.0589
Batch 97/248, train_loss: 1.0000, step time: 1.0446
Batch 98/248, train_loss: 0.7660, step time: 1.0615
Batch 99/248, train_loss: 0.9876, step time: 1.0468
Batch 100/248, train_loss: 0.9996, step time: 1.0639
Batch 101/248, train_loss: 0.7180, step time: 1.0551
Batch 102/248, train_loss: 0.8620, step time: 1.0615
Batch 103/248, train_loss: 0.9932, step time: 1.0410
Batch 104/248, train_loss: 0.8818, step time: 1.0498
Batch 105/248, train_loss: 0.7347, step time: 1.0550
Batch 106/248, train_loss: 0.8808, step time: 1.0551
Batch 107/248, train_loss: 0.9805, step time: 1.0408
Batch 108/248, train_loss: 0.9825, step time: 1.0621
Batch 109/248, train_loss: 0.9997, step time: 1.0692
Batch 110/248, train_loss: 0.9300, step time: 1.0731
Batch 111/248, train_loss: 0.7482, step time: 1.0535
Batch 112/248, train_loss: 0.7714, step time: 1.0669
Batch 113/248, train_loss: 0.9999, step time: 1.0473
Batch 114/248, train_loss: 0.7865, step time: 1.0707
Batch 115/248, train_loss: 0.8348, step time: 1.0490
Batch 116/248, train_loss: 0.7400, step time: 1.0623
Batch 117/248, train_loss: 0.9960, step time: 1.0399
Batch 118/248, train_loss: 0.9986, step time: 1.0633
Batch 119/248, train_loss: 0.8919, step time: 1.0449
Batch 120/248, train_loss: 0.8722, step time: 1.0551
Batch 121/248, train_loss: 0.9504, step time: 1.0532
Batch 122/248, train_loss: 0.9684, step time: 1.0488
Batch 123/248, train_loss: 0.7446, step time: 1.0312
Batch 124/248, train_loss: 0.9625, step time: 1.0587
Batch 125/248, train_loss: 0.9998, step time: 1.0453
Batch 126/248, train_loss: 0.8280, step time: 1.0360
Batch 127/248, train_loss: 0.7857, step time: 1.0423
Batch 128/248, train_loss: 0.8936, step time: 1.0378
Batch 129/248, train_loss: 0.7595, step time: 1.0571
Batch 130/248, train_loss: 0.7911, step time: 1.0356
Batch 131/248, train_loss: 0.9710, step time: 1.0311
Batch 132/248, train_loss: 0.9197, step time: 1.0499
Batch 133/248, train_loss: 0.7773, step time: 1.0588
Batch 134/248, train_loss: 1.0000, step time: 1.0354
Batch 135/248, train_loss: 0.9977, step time: 1.0503
Batch 136/248, train_loss: 0.8349, step time: 1.0453
Batch 137/248, train_loss: 0.7420, step time: 1.0585
Batch 138/248, train_loss: 0.7374, step time: 1.0597
Batch 139/248, train_loss: 0.8265, step time: 1.0402
Batch 140/248, train_loss: 0.8591, step time: 1.0566
Batch 141/248, train_loss: 0.8179, step time: 1.0448
Batch 142/248, train_loss: 0.9993, step time: 1.0656
Batch 143/248, train_loss: 0.8947, step time: 1.0519
Batch 144/248, train_loss: 0.7595, step time: 1.0323
Batch 145/248, train_loss: 0.7096, step time: 1.0561
Batch 146/248, train_loss: 0.9995, step time: 1.0474
Batch 147/248, train_loss: 0.7128, step time: 1.0543
Batch 148/248, train_loss: 0.9960, step time: 1.0466
Batch 149/248, train_loss: 0.7778, step time: 1.0370
Batch 150/248, train_loss: 0.9207, step time: 1.0305
Batch 151/248, train_loss: 0.9850, step time: 1.0404
Batch 152/248, train_loss: 0.6889, step time: 1.0534
Batch 153/248, train_loss: 0.9541, step time: 1.0548
Batch 154/248, train_loss: 0.9881, step time: 1.0321
Batch 155/248, train_loss: 0.8120, step time: 1.0596
Batch 156/248, train_loss: 0.8308, step time: 1.0539
Batch 157/248, train_loss: 0.8317, step time: 1.0413
Batch 158/248, train_loss: 0.9996, step time: 1.0591
Batch 159/248, train_loss: 0.9998, step time: 1.0587
Batch 160/248, train_loss: 0.7409, step time: 1.0532
Batch 161/248, train_loss: 0.7548, step time: 1.0468
Batch 162/248, train_loss: 0.7138, step time: 1.0649
Batch 163/248, train_loss: 0.9412, step time: 1.0667
Batch 164/248, train_loss: 0.7834, step time: 1.0505
Batch 165/248, train_loss: 0.9998, step time: 1.0514

Batch 166/248, train_loss: 0.8212, step time: 1.0715
Batch 167/248, train_loss: 0.7935, step time: 1.0676
Batch 168/248, train_loss: 0.7995, step time: 1.0549
Batch 169/248, train_loss: 0.7311, step time: 1.0456
Batch 170/248, train_loss: 0.9983, step time: 1.0503
Batch 171/248, train_loss: 0.7371, step time: 1.0573
Batch 172/248, train_loss: 0.9997, step time: 1.0628
Batch 173/248, train_loss: 0.7515, step time: 1.0489
Batch 174/248, train_loss: 0.9826, step time: 1.0644
Batch 175/248, train_loss: 0.7693, step time: 1.0633
Batch 176/248, train_loss: 0.8458, step time: 1.0614
Batch 177/248, train_loss: 0.9675, step time: 1.0670
Batch 178/248, train_loss: 0.7619, step time: 1.0430
Batch 179/248, train_loss: 0.6857, step time: 1.0655
Batch 180/248, train_loss: 0.8507, step time: 1.0736
Batch 181/248, train_loss: 0.7120, step time: 1.0619
Batch 182/248, train_loss: 0.9752, step time: 1.0505
Batch 183/248, train_loss: 0.8673, step time: 1.0617
Batch 184/248, train_loss: 0.9618, step time: 1.0452
Batch 185/248, train_loss: 0.7785, step time: 1.0463
Batch 186/248, train_loss: 0.7201, step time: 1.0688
Batch 187/248, train_loss: 0.7574, step time: 1.0432
Batch 188/248, train_loss: 0.7841, step time: 1.0619
Batch 189/248, train_loss: 0.9997, step time: 1.0463
Batch 190/248, train_loss: 0.7487, step time: 1.0465
Batch 191/248, train_loss: 0.9995, step time: 1.0635
Batch 192/248, train_loss: 0.7870, step time: 1.0670
Batch 193/248, train_loss: 0.8846, step time: 1.0429
Batch 194/248, train_loss: 0.7435, step time: 1.0653
Batch 195/248, train_loss: 0.9990, step time: 1.0583
Batch 196/248, train_loss: 1.0000, step time: 1.0360
Batch 197/248, train_loss: 0.8292, step time: 1.0691
Batch 198/248, train_loss: 1.0000, step time: 1.0567
Batch 199/248, train_loss: 0.7759, step time: 1.0517
Batch 200/248, train_loss: 0.7264, step time: 1.0445
Batch 201/248, train_loss: 0.7310, step time: 1.0529
Batch 202/248, train_loss: 0.8921, step time: 1.0635
Batch 203/248, train_loss: 0.9821, step time: 1.0692
Batch 204/248, train_loss: 0.6996, step time: 1.0642
Batch 205/248, train_loss: 0.9309, step time: 1.0566
Batch 206/248, train_loss: 0.9631, step time: 1.0576
Batch 207/248, train_loss: 0.7198, step time: 1.0600
Batch 208/248, train_loss: 0.8410, step time: 1.0609
Batch 209/248, train_loss: 0.7344, step time: 1.0577
Batch 210/248, train_loss: 0.6854, step time: 1.0690
Batch 211/248, train_loss: 0.6959, step time: 1.0501
Batch 212/248, train_loss: 0.9661, step time: 1.0506
Batch 213/248, train_loss: 0.7407, step time: 1.0531
Batch 214/248, train_loss: 0.7050, step time: 1.0419
Batch 215/248, train_loss: 0.9038, step time: 1.0480
Batch 216/248, train_loss: 0.7803, step time: 1.0464
Batch 217/248, train_loss: 0.8614, step time: 1.0569
Batch 218/248, train_loss: 0.9994, step time: 1.0526
Batch 219/248, train_loss: 0.7001, step time: 1.0516
Batch 220/248, train_loss: 0.8123, step time: 1.0551
Batch 221/248, train_loss: 0.8092, step time: 1.0368
Batch 222/248, train_loss: 0.7530, step time: 1.0396
Batch 223/248, train_loss: 0.6730, step time: 1.0450
Batch 224/248, train_loss: 0.7052, step time: 1.0571
Batch 225/248, train_loss: 0.9984, step time: 1.0412
Batch 226/248, train_loss: 0.9515, step time: 1.0682
Batch 227/248, train_loss: 0.7118, step time: 1.0615
Batch 228/248, train_loss: 0.8295, step time: 1.0449
Batch 229/248, train_loss: 0.7778, step time: 1.0588
Batch 230/248, train_loss: 0.7250, step time: 1.0612
Batch 231/248, train_loss: 0.9998, step time: 1.0428
Batch 232/248, train_loss: 0.7017, step time: 1.0461
Batch 233/248, train_loss: 1.0000, step time: 1.0595
Batch 234/248, train_loss: 0.9989, step time: 1.0534
Batch 235/248, train_loss: 0.9992, step time: 1.0646
Batch 236/248, train_loss: 0.9995, step time: 1.0623
Batch 237/248, train_loss: 0.7200, step time: 1.0468
Batch 238/248, train_loss: 0.7041, step time: 1.0547
Batch 239/248, train_loss: 0.6840, step time: 1.0573
Batch 240/248, train_loss: 0.8826, step time: 1.0588
Batch 241/248, train_loss: 0.9997, step time: 1.0348
Batch 242/248, train_loss: 0.7953, step time: 1.0475
Batch 243/248, train_loss: 0.9948, step time: 1.0519
Batch 244/248, train_loss: 0.9559, step time: 1.0418
Batch 245/248, train_loss: 0.7034, step time: 1.0408
Batch 246/248, train_loss: 0.9942, step time: 1.0479
Batch 247/248, train_loss: 0.6843, step time: 1.0658
Batch 248/248, train_loss: 1.0000, step time: 1.0411

Labels



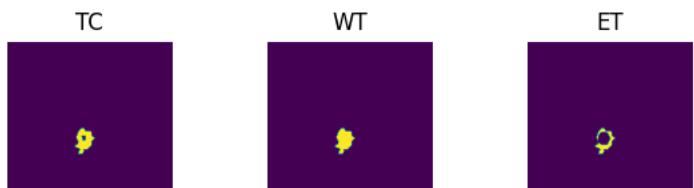
Predictions



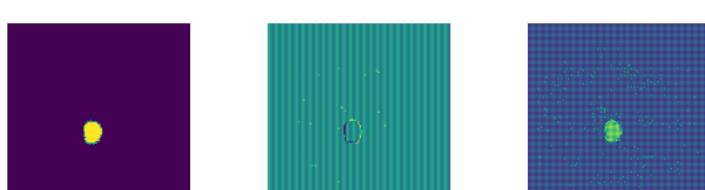
VAL

```
Batch 1/31, val_loss: 0.9616
Batch 2/31, val_loss: 0.9996
Batch 3/31, val_loss: 0.9998
Batch 4/31, val_loss: 0.9875
Batch 5/31, val_loss: 0.9999
Batch 6/31, val_loss: 0.8477
Batch 7/31, val_loss: 0.9510
Batch 8/31, val_loss: 0.9953
Batch 9/31, val_loss: 0.8675
Batch 10/31, val_loss: 0.9981
Batch 11/31, val_loss: 0.9262
Batch 12/31, val_loss: 0.9995
Batch 13/31, val_loss: 0.9957
Batch 14/31, val_loss: 0.9978
Batch 15/31, val_loss: 1.0000
Batch 16/31, val_loss: 0.9968
Batch 17/31, val_loss: 0.9999
Batch 18/31, val_loss: 0.9909
Batch 19/31, val_loss: 0.9862
Batch 20/31, val_loss: 0.9839
Batch 21/31, val_loss: 0.9683
Batch 22/31, val_loss: 0.9998
Batch 23/31, val_loss: 0.9999
Batch 24/31, val_loss: 0.8872
Batch 25/31, val_loss: 0.9083
Batch 26/31, val_loss: 0.9700
Batch 27/31, val_loss: 0.9998
Batch 28/31, val_loss: 0.9033
Batch 29/31, val_loss: 0.9999
Batch 30/31, val_loss: 0.9992
Batch 31/31, val_loss: 0.9913
```

Labels



Predictions



epoch 4

```
average train loss: 0.8695
average validation loss: 0.9688
saved as best model: True
current mean dice: 0.1121
current TC dice: 0.3147
current WT dice: 0.0082
current ET dice: 0.0149
```

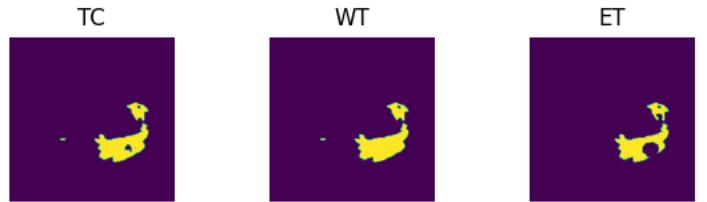
Best Mean Metric: 0.1121
time consuming of epoch 4 is: 1622.3313

epoch 5/100
TRAIN
Batch 1/248, train_loss: 0.6836, step time: 1.0530
Batch 2/248, train_loss: 0.9936, step time: 1.0751
Batch 3/248, train_loss: 0.8959, step time: 1.0718
Batch 4/248, train_loss: 0.9994, step time: 1.0469
Batch 5/248, train_loss: 0.7931, step time: 1.0482
Batch 6/248, train_loss: 0.9309, step time: 1.0679
Batch 7/248, train_loss: 0.6901, step time: 1.0479
Batch 8/248, train_loss: 0.9348, step time: 1.0523
Batch 9/248, train_loss: 0.6684, step time: 1.0508
Batch 10/248, train_loss: 0.8240, step time: 1.0479
Batch 11/248, train_loss: 0.8247, step time: 1.0377
Batch 12/248, train_loss: 0.9994, step time: 1.0578
Batch 13/248, train_loss: 0.9672, step time: 1.0388
Batch 14/248, train_loss: 0.6531, step time: 1.0429
Batch 15/248, train_loss: 0.8587, step time: 1.0338
Batch 16/248, train_loss: 0.7331, step time: 1.0468
Batch 17/248, train_loss: 0.9997, step time: 1.0366
Batch 18/248, train_loss: 0.9770, step time: 1.0411
Batch 19/248, train_loss: 0.7047, step time: 1.0608
Batch 20/248, train_loss: 0.8192, step time: 1.0527
Batch 21/248, train_loss: 0.7007, step time: 1.0723
Batch 22/248, train_loss: 1.0000, step time: 1.0624
Batch 23/248, train_loss: 0.9999, step time: 1.0551
Batch 24/248, train_loss: 0.7148, step time: 1.0490
Batch 25/248, train_loss: 0.6848, step time: 1.0624
Batch 26/248, train_loss: 0.9972, step time: 1.0519
Batch 27/248, train_loss: 0.6741, step time: 1.0653
Batch 28/248, train_loss: 0.7575, step time: 1.0758
Batch 29/248, train_loss: 0.9792, step time: 1.0707
Batch 30/248, train_loss: 0.8102, step time: 1.0592
Batch 31/248, train_loss: 0.9132, step time: 1.0611
Batch 32/248, train_loss: 0.7313, step time: 1.0632
Batch 33/248, train_loss: 0.7081, step time: 1.0437
Batch 34/248, train_loss: 0.6739, step time: 1.0335
Batch 35/248, train_loss: 0.6912, step time: 1.0514
Batch 36/248, train_loss: 0.9998, step time: 1.0373
Batch 37/248, train_loss: 0.7495, step time: 1.0600
Batch 38/248, train_loss: 0.8095, step time: 1.0625
Batch 39/248, train_loss: 0.7681, step time: 1.0583
Batch 40/248, train_loss: 0.9998, step time: 1.0347
Batch 41/248, train_loss: 0.7557, step time: 1.0606
Batch 42/248, train_loss: 0.6907, step time: 1.0549
Batch 43/248, train_loss: 0.6837, step time: 1.0508
Batch 44/248, train_loss: 0.8788, step time: 1.0403
Batch 45/248, train_loss: 0.9502, step time: 1.0633
Batch 46/248, train_loss: 0.7998, step time: 1.0618
Batch 47/248, train_loss: 0.7119, step time: 1.0395
Batch 48/248, train_loss: 0.7851, step time: 1.0501
Batch 49/248, train_loss: 0.8723, step time: 1.0461
Batch 50/248, train_loss: 0.7519, step time: 1.0645
Batch 51/248, train_loss: 0.8051, step time: 1.0612
Batch 52/248, train_loss: 0.7583, step time: 1.0682
Batch 53/248, train_loss: 0.8874, step time: 1.0630
Batch 54/248, train_loss: 0.7718, step time: 1.0457
Batch 55/248, train_loss: 0.8321, step time: 1.0612
Batch 56/248, train_loss: 0.8195, step time: 1.0752
Batch 57/248, train_loss: 0.7504, step time: 1.0701
Batch 58/248, train_loss: 0.7074, step time: 1.0601
Batch 59/248, train_loss: 0.7302, step time: 1.0558
Batch 60/248, train_loss: 0.6893, step time: 1.0664
Batch 61/248, train_loss: 0.7249, step time: 1.0430
Batch 62/248, train_loss: 0.8168, step time: 1.0594
Batch 63/248, train_loss: 0.9994, step time: 1.0430
Batch 64/248, train_loss: 0.9455, step time: 1.0495
Batch 65/248, train_loss: 0.8563, step time: 1.0601
Batch 66/248, train_loss: 0.8102, step time: 1.0423
Batch 67/248, train_loss: 0.6947, step time: 1.0513
Batch 68/248, train_loss: 0.7085, step time: 1.0433
Batch 69/248, train_loss: 0.9992, step time: 1.0455
Batch 70/248, train_loss: 0.7270, step time: 1.0368
Batch 71/248, train_loss: 0.7149, step time: 1.0547
Batch 72/248, train_loss: 0.6951, step time: 1.0530
Batch 73/248, train_loss: 0.7645, step time: 1.0502
Batch 74/248, train_loss: 1.0000, step time: 1.0495
Batch 75/248, train_loss: 0.7286, step time: 1.0616
Batch 76/248, train_loss: 0.9866, step time: 1.0448
Batch 77/248, train_loss: 0.9999, step time: 1.0482
Batch 78/248, train_loss: 0.7515, step time: 1.0736
Batch 79/248, train_loss: 0.7915, step time: 1.0550
Batch 80/248, train_loss: 0.8632, step time: 1.0600

Batch 81/248, train_loss: 0.9335, step time: 1.0611
Batch 82/248, train_loss: 0.6976, step time: 1.0597
Batch 83/248, train_loss: 0.9993, step time: 1.0410
Batch 84/248, train_loss: 0.8205, step time: 1.0595
Batch 85/248, train_loss: 0.9971, step time: 1.0259
Batch 86/248, train_loss: 0.9299, step time: 1.0494
Batch 87/248, train_loss: 0.9973, step time: 1.0366
Batch 88/248, train_loss: 0.9841, step time: 1.0493
Batch 89/248, train_loss: 0.7126, step time: 1.0453
Batch 90/248, train_loss: 0.8290, step time: 1.0362
Batch 91/248, train_loss: 0.9649, step time: 1.0371
Batch 92/248, train_loss: 0.9454, step time: 1.0517
Batch 93/248, train_loss: 0.7253, step time: 1.0377
Batch 94/248, train_loss: 0.9522, step time: 1.0388
Batch 95/248, train_loss: 0.7379, step time: 1.0461
Batch 96/248, train_loss: 0.7355, step time: 1.0352
Batch 97/248, train_loss: 1.0000, step time: 1.0505
Batch 98/248, train_loss: 0.6946, step time: 1.0436
Batch 99/248, train_loss: 0.9574, step time: 1.0556
Batch 100/248, train_loss: 0.9999, step time: 1.0540
Batch 101/248, train_loss: 0.6521, step time: 1.0614
Batch 102/248, train_loss: 0.7597, step time: 1.0466
Batch 103/248, train_loss: 0.9913, step time: 1.0542
Batch 104/248, train_loss: 0.7691, step time: 1.0743
Batch 105/248, train_loss: 0.6840, step time: 1.0382
Batch 106/248, train_loss: 0.8024, step time: 1.0486
Batch 107/248, train_loss: 0.9708, step time: 1.0458
Batch 108/248, train_loss: 0.9623, step time: 1.0577
Batch 109/248, train_loss: 0.9998, step time: 1.0419
Batch 110/248, train_loss: 0.9735, step time: 1.0479
Batch 111/248, train_loss: 0.7003, step time: 1.0405
Batch 112/248, train_loss: 0.7159, step time: 1.0426
Batch 113/248, train_loss: 0.9998, step time: 1.0442
Batch 114/248, train_loss: 0.7188, step time: 1.0626
Batch 115/248, train_loss: 0.7510, step time: 1.0636
Batch 116/248, train_loss: 0.6957, step time: 1.0461
Batch 117/248, train_loss: 0.9808, step time: 1.0666
Batch 118/248, train_loss: 0.9944, step time: 1.0533
Batch 119/248, train_loss: 0.8284, step time: 1.0479
Batch 120/248, train_loss: 0.7737, step time: 1.0619
Batch 121/248, train_loss: 0.8855, step time: 1.0479
Batch 122/248, train_loss: 0.9234, step time: 1.0469
Batch 123/248, train_loss: 0.6961, step time: 1.0330
Batch 124/248, train_loss: 0.8818, step time: 1.0686
Batch 125/248, train_loss: 0.9998, step time: 1.0521
Batch 126/248, train_loss: 0.7615, step time: 1.0511
Batch 127/248, train_loss: 0.7140, step time: 1.0695
Batch 128/248, train_loss: 0.8484, step time: 1.0474
Batch 129/248, train_loss: 0.6956, step time: 1.0595
Batch 130/248, train_loss: 0.7251, step time: 1.0498
Batch 131/248, train_loss: 0.9537, step time: 1.0478
Batch 132/248, train_loss: 0.8683, step time: 1.0502
Batch 133/248, train_loss: 0.7355, step time: 1.0567
Batch 134/248, train_loss: 1.0000, step time: 1.0440
Batch 135/248, train_loss: 0.9933, step time: 1.0456
Batch 136/248, train_loss: 0.7744, step time: 1.0703
Batch 137/248, train_loss: 0.6969, step time: 1.0673
Batch 138/248, train_loss: 0.6893, step time: 1.0491
Batch 139/248, train_loss: 0.7854, step time: 1.0500
Batch 140/248, train_loss: 0.7623, step time: 1.0504
Batch 141/248, train_loss: 0.7743, step time: 1.0642
Batch 142/248, train_loss: 0.9984, step time: 1.0374
Batch 143/248, train_loss: 0.8065, step time: 1.0672
Batch 144/248, train_loss: 0.7130, step time: 1.0586
Batch 145/248, train_loss: 0.6571, step time: 1.0452
Batch 146/248, train_loss: 0.9995, step time: 1.0363
Batch 147/248, train_loss: 0.6431, step time: 1.0588
Batch 148/248, train_loss: 0.9951, step time: 1.0425
Batch 149/248, train_loss: 0.7306, step time: 1.0445
Batch 150/248, train_loss: 0.9004, step time: 1.0642
Batch 151/248, train_loss: 0.9876, step time: 1.0435
Batch 152/248, train_loss: 0.6421, step time: 1.0489
Batch 153/248, train_loss: 0.9052, step time: 1.0726
Batch 154/248, train_loss: 0.9791, step time: 1.0590
Batch 155/248, train_loss: 0.7696, step time: 1.0592
Batch 156/248, train_loss: 0.7550, step time: 1.0585
Batch 157/248, train_loss: 0.8076, step time: 1.0446
Batch 158/248, train_loss: 0.9995, step time: 1.0430
Batch 159/248, train_loss: 0.9997, step time: 1.0372
Batch 160/248, train_loss: 0.7014, step time: 1.0644
Batch 161/248, train_loss: 0.7003, step time: 1.0402
Batch 162/248, train_loss: 0.6628, step time: 1.0554
Batch 163/248, train_loss: 0.9132, step time: 1.0567
Batch 164/248, train_loss: 0.7469, step time: 1.0672
Batch 165/248, train_loss: 0.9999, step time: 1.0596

Batch 165/248, train_loss: 0.7451, step time: 1.0704
Batch 166/248, train_loss: 0.7659, step time: 1.0512
Batch 168/248, train_loss: 0.7634, step time: 1.0556
Batch 169/248, train_loss: 0.6958, step time: 1.0468
Batch 170/248, train_loss: 0.9979, step time: 1.0611
Batch 171/248, train_loss: 0.6891, step time: 1.0562
Batch 172/248, train_loss: 0.9988, step time: 1.0633
Batch 173/248, train_loss: 0.7034, step time: 1.0562
Batch 174/248, train_loss: 0.9754, step time: 1.0387
Batch 175/248, train_loss: 0.7633, step time: 1.0693
Batch 176/248, train_loss: 0.8381, step time: 1.0442
Batch 177/248, train_loss: 0.8781, step time: 1.0643
Batch 178/248, train_loss: 0.7718, step time: 1.0531
Batch 179/248, train_loss: 0.6679, step time: 1.0650
Batch 180/248, train_loss: 0.8161, step time: 1.0695
Batch 181/248, train_loss: 0.6928, step time: 1.0491
Batch 182/248, train_loss: 0.9743, step time: 1.0566
Batch 183/248, train_loss: 0.8184, step time: 1.0506
Batch 184/248, train_loss: 0.9402, step time: 1.0585
Batch 185/248, train_loss: 0.7499, step time: 1.0606
Batch 186/248, train_loss: 0.7166, step time: 1.0510
Batch 187/248, train_loss: 0.7507, step time: 1.0571
Batch 188/248, train_loss: 0.7536, step time: 1.0579
Batch 189/248, train_loss: 0.9997, step time: 1.0384
Batch 190/248, train_loss: 0.7558, step time: 1.0565
Batch 191/248, train_loss: 0.9972, step time: 1.0404
Batch 192/248, train_loss: 0.7626, step time: 1.0620
Batch 193/248, train_loss: 0.8907, step time: 1.0574
Batch 194/248, train_loss: 0.7331, step time: 1.0489
Batch 195/248, train_loss: 0.9986, step time: 1.0616
Batch 196/248, train_loss: 1.0000, step time: 1.0359
Batch 197/248, train_loss: 0.7738, step time: 1.4260
Batch 198/248, train_loss: 1.0000, step time: 1.0434
Batch 199/248, train_loss: 0.7824, step time: 1.0473
Batch 200/248, train_loss: 0.7148, step time: 1.0490
Batch 201/248, train_loss: 0.7189, step time: 1.0625
Batch 202/248, train_loss: 0.8334, step time: 1.0692
Batch 203/248, train_loss: 0.9765, step time: 1.0483
Batch 204/248, train_loss: 0.6945, step time: 1.0634
Batch 205/248, train_loss: 0.8613, step time: 1.0436
Batch 206/248, train_loss: 0.9544, step time: 1.0693
Batch 207/248, train_loss: 0.7122, step time: 1.0667
Batch 208/248, train_loss: 0.7682, step time: 1.0643
Batch 209/248, train_loss: 0.7240, step time: 1.0407
Batch 210/248, train_loss: 0.6785, step time: 1.0407
Batch 211/248, train_loss: 0.6895, step time: 1.0658
Batch 212/248, train_loss: 0.9291, step time: 1.0470
Batch 213/248, train_loss: 0.7258, step time: 1.0442
Batch 214/248, train_loss: 0.6945, step time: 1.0452
Batch 215/248, train_loss: 0.8860, step time: 1.0711
Batch 216/248, train_loss: 0.7870, step time: 1.0507
Batch 217/248, train_loss: 0.8572, step time: 1.0721
Batch 218/248, train_loss: 0.9992, step time: 1.0407
Batch 219/248, train_loss: 0.6992, step time: 1.0510
Batch 220/248, train_loss: 0.7815, step time: 1.0567
Batch 221/248, train_loss: 0.7976, step time: 1.0631
Batch 222/248, train_loss: 0.7492, step time: 1.0459
Batch 223/248, train_loss: 0.6652, step time: 1.0656
Batch 224/248, train_loss: 0.7047, step time: 1.0426
Batch 225/248, train_loss: 0.9949, step time: 1.0562
Batch 226/248, train_loss: 0.9446, step time: 1.0461
Batch 227/248, train_loss: 0.6979, step time: 1.0599
Batch 228/248, train_loss: 0.8118, step time: 1.0400
Batch 229/248, train_loss: 0.7580, step time: 1.0379
Batch 230/248, train_loss: 0.7196, step time: 1.0624
Batch 231/248, train_loss: 0.9997, step time: 1.0659
Batch 232/248, train_loss: 0.6967, step time: 1.0598
Batch 233/248, train_loss: 1.0000, step time: 1.0355
Batch 234/248, train_loss: 0.9972, step time: 1.0594
Batch 235/248, train_loss: 0.9990, step time: 1.0458
Batch 236/248, train_loss: 0.9997, step time: 1.0339
Batch 237/248, train_loss: 0.7181, step time: 1.0447
Batch 238/248, train_loss: 0.6990, step time: 1.0553
Batch 239/248, train_loss: 0.7252, step time: 1.0510
Batch 240/248, train_loss: 0.8631, step time: 1.0510
Batch 241/248, train_loss: 0.9988, step time: 1.0573
Batch 242/248, train_loss: 0.7417, step time: 1.0415
Batch 243/248, train_loss: 0.9993, step time: 1.0555
Batch 244/248, train_loss: 0.8746, step time: 1.0606
Batch 245/248, train_loss: 0.6967, step time: 1.0528
Batch 246/248, train_loss: 0.9898, step time: 1.0554
Batch 247/248, train_loss: 0.6577, step time: 1.0641
Batch 248/248, train_loss: 1.0000, step time: 1.0318

Labels



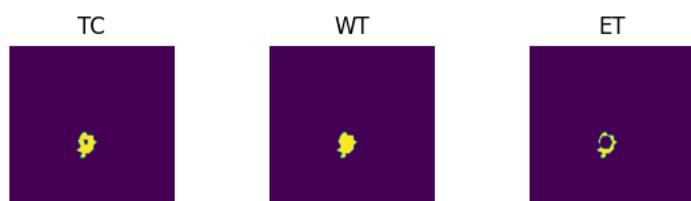
Predictions



VAL

```
Batch 1/31, val_loss: 0.9490
Batch 2/31, val_loss: 0.9971
Batch 3/31, val_loss: 0.9997
Batch 4/31, val_loss: 0.9828
Batch 5/31, val_loss: 0.9998
Batch 6/31, val_loss: 0.8403
Batch 7/31, val_loss: 0.9512
Batch 8/31, val_loss: 0.9937
Batch 9/31, val_loss: 0.8518
Batch 10/31, val_loss: 0.9911
Batch 11/31, val_loss: 0.9245
Batch 12/31, val_loss: 0.9990
Batch 13/31, val_loss: 0.9901
Batch 14/31, val_loss: 0.9971
Batch 15/31, val_loss: 0.9999
Batch 16/31, val_loss: 0.9963
Batch 17/31, val_loss: 0.9998
Batch 18/31, val_loss: 0.9822
Batch 19/31, val_loss: 0.8959
Batch 20/31, val_loss: 0.9708
Batch 21/31, val_loss: 0.9622
Batch 22/31, val_loss: 0.9998
Batch 23/31, val_loss: 0.9998
Batch 24/31, val_loss: 0.8596
Batch 25/31, val_loss: 0.9084
Batch 26/31, val_loss: 0.9675
Batch 27/31, val_loss: 0.9998
Batch 28/31, val_loss: 0.8894
Batch 29/31, val_loss: 0.9999
Batch 30/31, val_loss: 0.9986
Batch 31/31, val_loss: 0.9902
```

Labels



Predictions



epoch 5

```
average train loss: 0.8282
average validation loss: 0.9641
saved as best model: True
current mean dice: 0.1198
current TC dice: 0.3347
current WT dice: 0.0092
current ET dice: 0.0172
```

Best Mean Metric: 0.1198
time consuming of epoch 5 is: 1614.6690

epoch 6/100

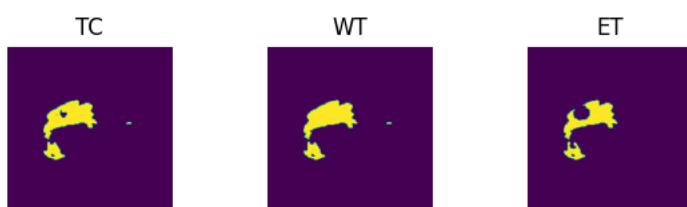
TRAIN

Batch 1/248, train_loss: 0.6721, step time: 1.0629
Batch 2/248, train_loss: 0.9803, step time: 1.0741
Batch 3/248, train_loss: 0.9223, step time: 1.0603
Batch 4/248, train_loss: 0.9997, step time: 1.0625
Batch 5/248, train_loss: 0.7939, step time: 1.0555
Batch 6/248, train_loss: 0.9142, step time: 1.0528
Batch 7/248, train_loss: 0.6656, step time: 1.0488
Batch 8/248, train_loss: 0.9278, step time: 1.0376
Batch 9/248, train_loss: 0.6640, step time: 1.0608
Batch 10/248, train_loss: 0.7772, step time: 1.0409
Batch 11/248, train_loss: 0.7823, step time: 1.0483
Batch 12/248, train_loss: 0.9958, step time: 1.0451
Batch 13/248, train_loss: 0.9915, step time: 1.0694
Batch 14/248, train_loss: 0.6685, step time: 1.0676
Batch 15/248, train_loss: 0.8049, step time: 1.0425
Batch 16/248, train_loss: 0.7414, step time: 1.0548
Batch 17/248, train_loss: 0.9982, step time: 1.0404
Batch 18/248, train_loss: 0.9387, step time: 1.0455
Batch 19/248, train_loss: 0.7363, step time: 1.0607
Batch 20/248, train_loss: 0.7684, step time: 1.0522
Batch 21/248, train_loss: 0.6875, step time: 1.0647
Batch 22/248, train_loss: 1.0000, step time: 1.0592
Batch 23/248, train_loss: 0.9996, step time: 1.0417
Batch 24/248, train_loss: 0.7173, step time: 1.0512
Batch 25/248, train_loss: 0.6774, step time: 1.0569
Batch 26/248, train_loss: 0.9668, step time: 1.0487
Batch 27/248, train_loss: 0.6753, step time: 1.0457
Batch 28/248, train_loss: 0.7421, step time: 1.0681
Batch 29/248, train_loss: 0.8977, step time: 1.0579
Batch 30/248, train_loss: 0.7838, step time: 1.0509
Batch 31/248, train_loss: 0.8719, step time: 1.0414
Batch 32/248, train_loss: 0.7189, step time: 1.0656
Batch 33/248, train_loss: 0.6820, step time: 1.0463
Batch 34/248, train_loss: 0.6720, step time: 1.0554
Batch 35/248, train_loss: 0.6905, step time: 1.0596
Batch 36/248, train_loss: 0.9997, step time: 1.0442
Batch 37/248, train_loss: 0.7495, step time: 1.0455
Batch 38/248, train_loss: 0.7997, step time: 1.0556
Batch 39/248, train_loss: 0.7653, step time: 1.0491
Batch 40/248, train_loss: 0.9997, step time: 1.0578
Batch 41/248, train_loss: 0.7527, step time: 1.0643
Batch 42/248, train_loss: 0.6909, step time: 1.0540
Batch 43/248, train_loss: 0.6756, step time: 1.0414
Batch 44/248, train_loss: 0.8527, step time: 1.0683
Batch 45/248, train_loss: 0.9899, step time: 1.0424
Batch 46/248, train_loss: 0.8132, step time: 1.0513
Batch 47/248, train_loss: 0.7089, step time: 1.0595
Batch 48/248, train_loss: 0.8172, step time: 1.0698
Batch 49/248, train_loss: 0.8503, step time: 1.0438
Batch 50/248, train_loss: 0.7428, step time: 1.0476
Batch 51/248, train_loss: 0.7581, step time: 1.0453
Batch 52/248, train_loss: 0.7252, step time: 1.0689
Batch 53/248, train_loss: 0.8678, step time: 1.0522
Batch 54/248, train_loss: 0.7692, step time: 1.0493
Batch 55/248, train_loss: 0.8418, step time: 1.0488
Batch 56/248, train_loss: 0.7759, step time: 1.0472
Batch 57/248, train_loss: 0.7733, step time: 1.0490
Batch 58/248, train_loss: 0.7001, step time: 1.0653
Batch 59/248, train_loss: 0.6993, step time: 1.0392
Batch 60/248, train_loss: 0.6839, step time: 1.0437
Batch 61/248, train_loss: 0.7079, step time: 1.0558
Batch 62/248, train_loss: 0.8005, step time: 1.0450
Batch 63/248, train_loss: 0.9992, step time: 1.0490
Batch 64/248, train_loss: 0.9296, step time: 1.0446
Batch 65/248, train_loss: 0.8735, step time: 1.0444
Batch 66/248, train_loss: 0.7837, step time: 1.0664
Batch 67/248, train_loss: 0.6990, step time: 1.0460
Batch 68/248, train_loss: 0.7155, step time: 1.0726
Batch 69/248, train_loss: 0.9987, step time: 1.0692
Batch 70/248, train_loss: 0.7204, step time: 1.0488
Batch 71/248, train_loss: 0.7176, step time: 1.0500
Batch 72/248, train_loss: 0.6824, step time: 1.0463
Batch 73/248, train_loss: 0.7551, step time: 1.0386
Batch 74/248, train_loss: 1.0000, step time: 1.0353
Batch 75/248, train_loss: 0.7185, step time: 1.0685
Batch 76/248, train_loss: 0.9308, step time: 1.0640
Batch 77/248, train_loss: 0.9997, step time: 1.0439
Batch 78/248, train_loss: 0.7261, step time: 1.0583
Batch 79/248, train_loss: 0.7219, step time: 1.0539
Batch 80/248, train_loss: 0.7701, step time: 1.0600

Batch 80/248, train_loss: 0.7704, step time: 1.0666
Batch 81/248, train_loss: 0.7615, step time: 1.0681
Batch 82/248, train_loss: 0.6947, step time: 1.0622
Batch 83/248, train_loss: 0.9982, step time: 1.0701
Batch 84/248, train_loss: 0.7633, step time: 1.0637
Batch 85/248, train_loss: 0.9952, step time: 1.0580
Batch 86/248, train_loss: 0.8870, step time: 1.0457
Batch 87/248, train_loss: 0.9972, step time: 1.0403
Batch 88/248, train_loss: 0.9512, step time: 1.0550
Batch 89/248, train_loss: 0.6752, step time: 1.0515
Batch 90/248, train_loss: 0.8179, step time: 1.0620
Batch 91/248, train_loss: 0.9281, step time: 1.0608
Batch 92/248, train_loss: 0.9741, step time: 1.0449
Batch 93/248, train_loss: 0.7158, step time: 1.0629
Batch 94/248, train_loss: 0.8461, step time: 1.0680
Batch 95/248, train_loss: 0.7238, step time: 1.0506
Batch 96/248, train_loss: 0.7868, step time: 1.0671
Batch 97/248, train_loss: 0.9999, step time: 1.0452
Batch 98/248, train_loss: 0.7168, step time: 1.0719
Batch 99/248, train_loss: 0.9426, step time: 1.0653
Batch 100/248, train_loss: 0.9988, step time: 1.0538
Batch 101/248, train_loss: 0.6545, step time: 1.0611
Batch 102/248, train_loss: 0.7681, step time: 1.0442
Batch 103/248, train_loss: 0.9839, step time: 1.0494
Batch 104/248, train_loss: 0.7893, step time: 1.0540
Batch 105/248, train_loss: 0.6811, step time: 1.0652
Batch 106/248, train_loss: 0.7466, step time: 1.0667
Batch 107/248, train_loss: 0.9690, step time: 1.0620
Batch 108/248, train_loss: 0.9473, step time: 1.0535
Batch 109/248, train_loss: 0.9999, step time: 1.0480
Batch 110/248, train_loss: 0.9380, step time: 1.0514
Batch 111/248, train_loss: 0.6931, step time: 1.0649
Batch 112/248, train_loss: 0.6973, step time: 1.0541
Batch 113/248, train_loss: 0.9998, step time: 1.0589
Batch 114/248, train_loss: 0.6945, step time: 1.0598
Batch 115/248, train_loss: 0.7815, step time: 1.0648
Batch 116/248, train_loss: 0.6822, step time: 1.0562
Batch 117/248, train_loss: 0.9829, step time: 1.0579
Batch 118/248, train_loss: 0.9835, step time: 1.0396
Batch 119/248, train_loss: 0.7938, step time: 1.0444
Batch 120/248, train_loss: 0.7609, step time: 1.0591
Batch 121/248, train_loss: 0.8778, step time: 1.0638
Batch 122/248, train_loss: 0.8881, step time: 1.0673
Batch 123/248, train_loss: 0.6938, step time: 1.0493
Batch 124/248, train_loss: 0.9133, step time: 1.0594
Batch 125/248, train_loss: 0.9997, step time: 1.0540
Batch 126/248, train_loss: 0.7609, step time: 1.0488
Batch 127/248, train_loss: 0.7093, step time: 1.0442
Batch 128/248, train_loss: 0.8795, step time: 1.0691
Batch 129/248, train_loss: 0.6781, step time: 1.0524
Batch 130/248, train_loss: 0.7128, step time: 1.0637
Batch 131/248, train_loss: 0.9236, step time: 1.0652
Batch 132/248, train_loss: 0.7664, step time: 1.0616
Batch 133/248, train_loss: 0.7219, step time: 1.0463
Batch 134/248, train_loss: 1.0000, step time: 1.0620
Batch 135/248, train_loss: 0.9950, step time: 1.0512
Batch 136/248, train_loss: 0.7365, step time: 1.0558
Batch 137/248, train_loss: 0.6993, step time: 1.0406
Batch 138/248, train_loss: 0.6853, step time: 1.0491
Batch 139/248, train_loss: 0.7748, step time: 1.0567
Batch 140/248, train_loss: 0.7546, step time: 1.0589
Batch 141/248, train_loss: 0.7548, step time: 1.0633
Batch 142/248, train_loss: 0.9980, step time: 1.0417
Batch 143/248, train_loss: 0.7772, step time: 1.0473
Batch 144/248, train_loss: 0.7086, step time: 1.0413
Batch 145/248, train_loss: 0.6614, step time: 1.0548
Batch 146/248, train_loss: 0.9996, step time: 1.0407
Batch 147/248, train_loss: 0.6396, step time: 1.0550
Batch 148/248, train_loss: 0.9935, step time: 1.0651
Batch 149/248, train_loss: 0.7242, step time: 1.0451
Batch 150/248, train_loss: 0.8904, step time: 1.0617
Batch 151/248, train_loss: 0.9829, step time: 1.0691
Batch 152/248, train_loss: 0.6394, step time: 1.0551
Batch 153/248, train_loss: 0.8464, step time: 1.0739
Batch 154/248, train_loss: 0.9753, step time: 1.0688
Batch 155/248, train_loss: 0.7557, step time: 1.0468
Batch 156/248, train_loss: 0.7549, step time: 1.0718
Batch 157/248, train_loss: 0.8006, step time: 1.0550
Batch 158/248, train_loss: 0.9995, step time: 1.0461
Batch 159/248, train_loss: 0.9984, step time: 1.0499
Batch 160/248, train_loss: 0.7034, step time: 1.0683
Batch 161/248, train_loss: 0.7023, step time: 1.0476
Batch 162/248, train_loss: 0.6464, step time: 1.0433
Batch 163/248, train_loss: 0.9007, step time: 1.0500
Batch 164/248, train_loss: 0.7431, step time: 1.0652

Batch 165/248, train_loss: 0.9999, step time: 1.0354
Batch 166/248, train_loss: 0.7363, step time: 1.0400
Batch 167/248, train_loss: 0.7650, step time: 1.0526
Batch 168/248, train_loss: 0.7441, step time: 1.0448
Batch 169/248, train_loss: 0.6910, step time: 1.0662
Batch 170/248, train_loss: 0.9919, step time: 1.0694
Batch 171/248, train_loss: 0.6815, step time: 1.0446
Batch 172/248, train_loss: 0.9962, step time: 1.0489
Batch 173/248, train_loss: 0.6882, step time: 1.0507
Batch 174/248, train_loss: 0.9625, step time: 1.0592
Batch 175/248, train_loss: 0.7490, step time: 1.0407
Batch 176/248, train_loss: 0.8380, step time: 1.0623
Batch 177/248, train_loss: 0.8369, step time: 1.0621
Batch 178/248, train_loss: 0.7773, step time: 1.0341
Batch 179/248, train_loss: 0.6664, step time: 1.0551
Batch 180/248, train_loss: 0.8140, step time: 1.0553
Batch 181/248, train_loss: 0.6896, step time: 1.0295
Batch 182/248, train_loss: 0.9741, step time: 1.0277
Batch 183/248, train_loss: 0.7965, step time: 1.0487
Batch 184/248, train_loss: 0.9137, step time: 1.0308
Batch 185/248, train_loss: 0.7301, step time: 1.0261
Batch 186/248, train_loss: 0.7089, step time: 1.0480
Batch 187/248, train_loss: 0.7414, step time: 1.0507
Batch 188/248, train_loss: 0.7543, step time: 1.0353
Batch 189/248, train_loss: 0.9985, step time: 1.0476
Batch 190/248, train_loss: 0.7440, step time: 1.0340
Batch 191/248, train_loss: 0.9946, step time: 1.0344
Batch 192/248, train_loss: 0.7555, step time: 1.0357
Batch 193/248, train_loss: 0.8677, step time: 1.0442
Batch 194/248, train_loss: 0.7132, step time: 1.0460
Batch 195/248, train_loss: 0.9986, step time: 1.0253
Batch 196/248, train_loss: 1.0000, step time: 1.0410
Batch 197/248, train_loss: 0.7616, step time: 1.0230
Batch 198/248, train_loss: 1.0000, step time: 1.0358
Batch 199/248, train_loss: 0.7717, step time: 1.0201
Batch 200/248, train_loss: 0.7148, step time: 1.0265
Batch 201/248, train_loss: 0.7148, step time: 1.0445
Batch 202/248, train_loss: 0.8383, step time: 1.0403
Batch 203/248, train_loss: 0.9536, step time: 1.0368
Batch 204/248, train_loss: 0.6838, step time: 1.0480
Batch 205/248, train_loss: 0.8360, step time: 1.0499
Batch 206/248, train_loss: 0.9851, step time: 1.0399
Batch 207/248, train_loss: 0.7008, step time: 1.0523
Batch 208/248, train_loss: 0.7494, step time: 1.0467
Batch 209/248, train_loss: 0.7168, step time: 1.0269
Batch 210/248, train_loss: 0.6777, step time: 1.0338
Batch 211/248, train_loss: 0.6874, step time: 1.0532
Batch 212/248, train_loss: 0.9386, step time: 1.0371
Batch 213/248, train_loss: 0.7159, step time: 1.0508
Batch 214/248, train_loss: 0.6943, step time: 1.0280
Batch 215/248, train_loss: 0.8011, step time: 1.0360
Batch 216/248, train_loss: 0.7833, step time: 1.0340
Batch 217/248, train_loss: 0.8097, step time: 1.0367
Batch 218/248, train_loss: 0.9941, step time: 1.0352
Batch 219/248, train_loss: 0.7142, step time: 1.0255
Batch 220/248, train_loss: 0.7812, step time: 1.0368
Batch 221/248, train_loss: 0.8382, step time: 1.0272
Batch 222/248, train_loss: 0.8078, step time: 1.0372
Batch 223/248, train_loss: 0.6628, step time: 1.0411
Batch 224/248, train_loss: 0.7008, step time: 1.0276
Batch 225/248, train_loss: 0.9820, step time: 1.0349
Batch 226/248, train_loss: 0.9635, step time: 1.0317
Batch 227/248, train_loss: 0.6965, step time: 1.0372
Batch 228/248, train_loss: 0.8806, step time: 1.0213
Batch 229/248, train_loss: 0.6874, step time: 1.0398
Batch 230/248, train_loss: 0.7015, step time: 1.0312
Batch 231/248, train_loss: 0.9999, step time: 1.0196
Batch 232/248, train_loss: 0.6908, step time: 1.0236
Batch 233/248, train_loss: 1.0000, step time: 1.0262
Batch 234/248, train_loss: 0.9943, step time: 1.0207
Batch 235/248, train_loss: 0.9990, step time: 1.0219
Batch 236/248, train_loss: 0.9989, step time: 1.0305
Batch 237/248, train_loss: 0.7135, step time: 1.0211
Batch 238/248, train_loss: 0.6958, step time: 1.0211
Batch 239/248, train_loss: 0.6798, step time: 1.0237
Batch 240/248, train_loss: 0.8771, step time: 1.0493
Batch 241/248, train_loss: 0.9983, step time: 1.0230
Batch 242/248, train_loss: 0.7362, step time: 1.0331
Batch 243/248, train_loss: 0.9991, step time: 1.0432
Batch 244/248, train_loss: 0.8700, step time: 1.0248
Batch 245/248, train_loss: 0.6904, step time: 1.0372
Batch 246/248, train_loss: 0.9862, step time: 1.0388
Batch 247/248, train_loss: 0.6574, step time: 1.0332
Batch 248/248, train_loss: 1.0000, step time: 1.0176

LADIES



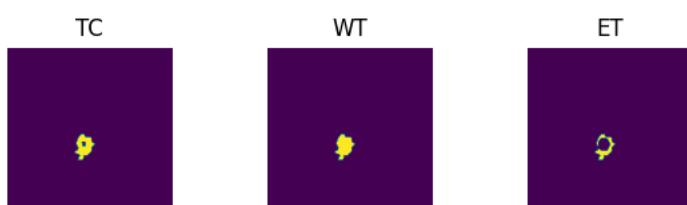
Predictions



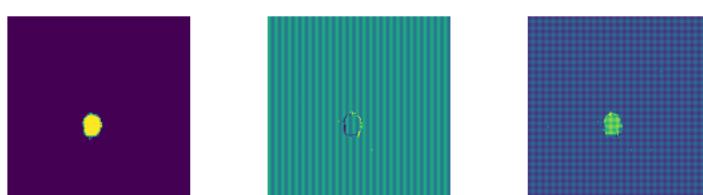
VAL

```
Batch 1/31, val_loss: 0.9465
Batch 2/31, val_loss: 0.9952
Batch 3/31, val_loss: 0.9996
Batch 4/31, val_loss: 0.9816
Batch 5/31, val_loss: 0.9997
Batch 6/31, val_loss: 0.8352
Batch 7/31, val_loss: 0.9337
Batch 8/31, val_loss: 0.9909
Batch 9/31, val_loss: 0.8436
Batch 10/31, val_loss: 0.9823
Batch 11/31, val_loss: 0.9169
Batch 12/31, val_loss: 0.9982
Batch 13/31, val_loss: 0.9899
Batch 14/31, val_loss: 0.9971
Batch 15/31, val_loss: 0.9998
Batch 16/31, val_loss: 0.9954
Batch 17/31, val_loss: 0.9995
Batch 18/31, val_loss: 0.9848
Batch 19/31, val_loss: 0.8889
Batch 20/31, val_loss: 0.9629
Batch 21/31, val_loss: 0.9635
Batch 22/31, val_loss: 0.9997
Batch 23/31, val_loss: 0.9997
Batch 24/31, val_loss: 0.8476
Batch 25/31, val_loss: 0.9836
Batch 26/31, val_loss: 0.9668
Batch 27/31, val_loss: 0.9996
Batch 28/31, val_loss: 0.8840
Batch 29/31, val_loss: 0.9990
Batch 30/31, val_loss: 0.9914
Batch 31/31, val_loss: 0.9898
```

Labels



Predictions



epoch 6

```
average train loss: 0.8182
average validation loss: 0.9609
saved as best model: True
current mean dice: 0.1390
current TC dice: 0.3920
current WT dice: 0.0092
current ET dice: 0.0171
```

current ϵ dice: 0.01/4
Best Mean Metric: 0.1390
time consuming of epoch 6 is: 1621.2937

epoch 7/100
TRAIN
Batch 1/248, train_loss: 0.6683, step time: 1.0436
Batch 2/248, train_loss: 0.9605, step time: 1.0379
Batch 3/248, train_loss: 0.8681, step time: 1.0245
Batch 4/248, train_loss: 0.9990, step time: 1.0409
Batch 5/248, train_loss: 0.7765, step time: 1.0364
Batch 6/248, train_loss: 0.9276, step time: 1.0478
Batch 7/248, train_loss: 0.6534, step time: 1.0343
Batch 8/248, train_loss: 0.9236, step time: 1.0182
Batch 9/248, train_loss: 0.6590, step time: 1.0463
Batch 10/248, train_loss: 0.7814, step time: 1.0338
Batch 11/248, train_loss: 0.8337, step time: 1.0336
Batch 12/248, train_loss: 0.9793, step time: 1.0447
Batch 13/248, train_loss: 0.9584, step time: 1.0407
Batch 14/248, train_loss: 0.6445, step time: 1.0474
Batch 15/248, train_loss: 0.8098, step time: 1.0230
Batch 16/248, train_loss: 0.7209, step time: 1.0318
Batch 17/248, train_loss: 0.9992, step time: 1.0324
Batch 18/248, train_loss: 0.9444, step time: 1.0190
Batch 19/248, train_loss: 0.6990, step time: 1.0304
Batch 20/248, train_loss: 0.7828, step time: 1.0342
Batch 21/248, train_loss: 0.6845, step time: 1.0352
Batch 22/248, train_loss: 1.0000, step time: 1.0264
Batch 23/248, train_loss: 0.9999, step time: 1.0182
Batch 24/248, train_loss: 0.6959, step time: 1.0202
Batch 25/248, train_loss: 0.6673, step time: 1.0268
Batch 26/248, train_loss: 0.9980, step time: 1.0302
Batch 27/248, train_loss: 0.6755, step time: 1.0300
Batch 28/248, train_loss: 0.7435, step time: 1.0435
Batch 29/248, train_loss: 0.8858, step time: 1.0284
Batch 30/248, train_loss: 0.7623, step time: 1.0216
Batch 31/248, train_loss: 0.8707, step time: 1.0197
Batch 32/248, train_loss: 0.7017, step time: 1.0186
Batch 33/248, train_loss: 0.6964, step time: 1.0218
Batch 34/248, train_loss: 0.6684, step time: 1.0235
Batch 35/248, train_loss: 0.6818, step time: 1.0167
Batch 36/248, train_loss: 0.9997, step time: 1.0188
Batch 37/248, train_loss: 0.7437, step time: 1.0228
Batch 38/248, train_loss: 0.7889, step time: 1.0241
Batch 39/248, train_loss: 0.7570, step time: 1.0233
Batch 40/248, train_loss: 0.9996, step time: 1.0252
Batch 41/248, train_loss: 0.7435, step time: 1.0376
Batch 42/248, train_loss: 0.6900, step time: 1.0308
Batch 43/248, train_loss: 0.6758, step time: 1.0206
Batch 44/248, train_loss: 0.8550, step time: 1.0431
Batch 45/248, train_loss: 0.8884, step time: 1.0273
Batch 46/248, train_loss: 0.7820, step time: 1.0426
Batch 47/248, train_loss: 0.7013, step time: 1.0328
Batch 48/248, train_loss: 0.7851, step time: 1.0226
Batch 49/248, train_loss: 0.8459, step time: 1.0461
Batch 50/248, train_loss: 0.7309, step time: 1.0289
Batch 51/248, train_loss: 0.7617, step time: 1.0412
Batch 52/248, train_loss: 0.7200, step time: 1.0340
Batch 53/248, train_loss: 0.8678, step time: 1.0521
Batch 54/248, train_loss: 0.7632, step time: 1.0319
Batch 55/248, train_loss: 0.7942, step time: 1.0322
Batch 56/248, train_loss: 0.7698, step time: 1.0308
Batch 57/248, train_loss: 0.7560, step time: 1.0498
Batch 58/248, train_loss: 0.6989, step time: 1.0571
Batch 59/248, train_loss: 0.7013, step time: 1.0304
Batch 60/248, train_loss: 0.6794, step time: 1.0356
Batch 61/248, train_loss: 0.7029, step time: 1.0515
Batch 62/248, train_loss: 0.7813, step time: 1.0356
Batch 63/248, train_loss: 0.9984, step time: 1.0499
Batch 64/248, train_loss: 0.9191, step time: 1.0409
Batch 65/248, train_loss: 0.8055, step time: 1.0536
Batch 66/248, train_loss: 0.7526, step time: 1.0605
Batch 67/248, train_loss: 0.6876, step time: 1.0503
Batch 68/248, train_loss: 0.6977, step time: 1.0458
Batch 69/248, train_loss: 0.9947, step time: 1.0450
Batch 70/248, train_loss: 0.7157, step time: 1.0483
Batch 71/248, train_loss: 0.7198, step time: 1.0457
Batch 72/248, train_loss: 0.6828, step time: 1.0436
Batch 73/248, train_loss: 0.7507, step time: 1.0515
Batch 74/248, train_loss: 1.0000, step time: 1.0496
Batch 75/248, train_loss: 0.7082, step time: 1.0500
Batch 76/248, train_loss: 0.8760, step time: 1.0517
Batch 77/248, train_loss: 0.9996, step time: 1.0581
Batch 78/248, train_loss: 0.7239, step time: 1.0522
Batch 79/248, train_loss: 0.7300, step time: 1.0474

Batch 80/248, train_loss: 0.7698, step time: 1.0551
Batch 81/248, train_loss: 0.7514, step time: 1.0495
Batch 82/248, train_loss: 0.6915, step time: 1.0479
Batch 83/248, train_loss: 0.9941, step time: 1.0568
Batch 84/248, train_loss: 0.7534, step time: 1.0513
Batch 85/248, train_loss: 0.9810, step time: 1.0387
Batch 86/248, train_loss: 0.8628, step time: 1.0456
Batch 87/248, train_loss: 0.9912, step time: 1.0420
Batch 88/248, train_loss: 0.8865, step time: 1.0362
Batch 89/248, train_loss: 0.6665, step time: 1.0561
Batch 90/248, train_loss: 0.7754, step time: 1.0290
Batch 91/248, train_loss: 0.8824, step time: 1.0430
Batch 92/248, train_loss: 0.9783, step time: 1.0330
Batch 93/248, train_loss: 0.7153, step time: 1.0474
Batch 94/248, train_loss: 0.8067, step time: 1.0493
Batch 95/248, train_loss: 0.7246, step time: 1.0214
Batch 96/248, train_loss: 0.7873, step time: 1.0404
Batch 97/248, train_loss: 0.9996, step time: 1.0258
Batch 98/248, train_loss: 0.7135, step time: 1.0449
Batch 99/248, train_loss: 0.9051, step time: 1.0396
Batch 100/248, train_loss: 0.9975, step time: 1.0276
Batch 101/248, train_loss: 0.6516, step time: 1.0395
Batch 102/248, train_loss: 0.7124, step time: 1.0200
Batch 103/248, train_loss: 0.9790, step time: 1.0320
Batch 104/248, train_loss: 0.7758, step time: 1.0272
Batch 105/248, train_loss: 0.6798, step time: 1.0470
Batch 106/248, train_loss: 0.7351, step time: 1.0182
Batch 107/248, train_loss: 0.9657, step time: 1.0240
Batch 108/248, train_loss: 0.8914, step time: 1.0234
Batch 109/248, train_loss: 0.9999, step time: 1.0184
Batch 110/248, train_loss: 0.8267, step time: 1.0310
Batch 111/248, train_loss: 0.6950, step time: 1.0412
Batch 112/248, train_loss: 0.7000, step time: 1.0226
Batch 113/248, train_loss: 0.9977, step time: 1.0516
Batch 114/248, train_loss: 0.6971, step time: 1.0332
Batch 115/248, train_loss: 0.7444, step time: 1.0280
Batch 116/248, train_loss: 0.6796, step time: 1.0429
Batch 117/248, train_loss: 0.9944, step time: 1.0373
Batch 118/248, train_loss: 0.8793, step time: 1.0349
Batch 119/248, train_loss: 0.7644, step time: 1.0278
Batch 120/248, train_loss: 0.7494, step time: 1.0449
Batch 121/248, train_loss: 0.8741, step time: 1.0439
Batch 122/248, train_loss: 0.9071, step time: 1.0523
Batch 123/248, train_loss: 0.6889, step time: 1.0339
Batch 124/248, train_loss: 0.8056, step time: 1.0415
Batch 125/248, train_loss: 0.9992, step time: 1.0343
Batch 126/248, train_loss: 0.7893, step time: 1.0600
Batch 127/248, train_loss: 0.7167, step time: 1.0402
Batch 128/248, train_loss: 0.8803, step time: 1.0393
Batch 129/248, train_loss: 0.6765, step time: 1.0620
Batch 130/248, train_loss: 0.7175, step time: 1.0490
Batch 131/248, train_loss: 0.9181, step time: 1.0585
Batch 132/248, train_loss: 0.7645, step time: 1.0442
Batch 133/248, train_loss: 0.7041, step time: 1.0519
Batch 134/248, train_loss: 0.9997, step time: 1.0612
Batch 135/248, train_loss: 0.9985, step time: 1.0620
Batch 136/248, train_loss: 0.7500, step time: 1.0551
Batch 137/248, train_loss: 0.6956, step time: 1.0613
Batch 138/248, train_loss: 0.6837, step time: 1.0553
Batch 139/248, train_loss: 0.7734, step time: 1.0524
Batch 140/248, train_loss: 0.7517, step time: 1.0627
Batch 141/248, train_loss: 0.7535, step time: 1.0437
Batch 142/248, train_loss: 0.9989, step time: 1.0446
Batch 143/248, train_loss: 0.7786, step time: 1.0700
Batch 144/248, train_loss: 0.7085, step time: 1.0585
Batch 145/248, train_loss: 0.6577, step time: 1.0395
Batch 146/248, train_loss: 0.9995, step time: 1.0463
Batch 147/248, train_loss: 0.6356, step time: 1.0571
Batch 148/248, train_loss: 0.9949, step time: 1.0327
Batch 149/248, train_loss: 0.7212, step time: 1.0394
Batch 150/248, train_loss: 0.8953, step time: 1.0632
Batch 151/248, train_loss: 0.9641, step time: 1.0619
Batch 152/248, train_loss: 0.6387, step time: 1.0458
Batch 153/248, train_loss: 0.8414, step time: 1.0423
Batch 154/248, train_loss: 0.9685, step time: 1.0513
Batch 155/248, train_loss: 0.7406, step time: 1.0662
Batch 156/248, train_loss: 0.7363, step time: 1.0712
Batch 157/248, train_loss: 0.8009, step time: 1.0607
Batch 158/248, train_loss: 0.9996, step time: 1.0314
Batch 159/248, train_loss: 0.9994, step time: 1.0422
Batch 160/248, train_loss: 0.7047, step time: 1.0612
Batch 161/248, train_loss: 0.7101, step time: 1.0619
Batch 162/248, train_loss: 0.6502, step time: 1.0520
Batch 163/248, train_loss: 0.8453, step time: 1.0637
Batch 164/248, train_loss: 0.7378, step time: 1.0489

Batch 165/248, train_loss: 0.9998, step time: 1.0549
Batch 166/248, train_loss: 0.7274, step time: 1.0711
Batch 167/248, train_loss: 0.7417, step time: 1.0676
Batch 168/248, train_loss: 0.7413, step time: 1.0613
Batch 169/248, train_loss: 0.6912, step time: 1.0463
Batch 170/248, train_loss: 0.9971, step time: 1.0710
Batch 171/248, train_loss: 0.6796, step time: 1.0527
Batch 172/248, train_loss: 0.9990, step time: 1.0637
Batch 173/248, train_loss: 0.6863, step time: 1.0479
Batch 174/248, train_loss: 0.9996, step time: 1.0608
Batch 175/248, train_loss: 0.7550, step time: 1.0659
Batch 176/248, train_loss: 0.8377, step time: 1.0453
Batch 177/248, train_loss: 0.9650, step time: 1.0679
Batch 178/248, train_loss: 0.7958, step time: 1.0617
Batch 179/248, train_loss: 0.6576, step time: 1.0518
Batch 180/248, train_loss: 0.8040, step time: 1.0512
Batch 181/248, train_loss: 0.6876, step time: 1.0719
Batch 182/248, train_loss: 0.9759, step time: 1.0647
Batch 183/248, train_loss: 0.8053, step time: 1.0502
Batch 184/248, train_loss: 0.9234, step time: 1.0526
Batch 185/248, train_loss: 0.7322, step time: 1.0613
Batch 186/248, train_loss: 0.7198, step time: 1.0512
Batch 187/248, train_loss: 0.7530, step time: 1.0405
Batch 188/248, train_loss: 0.7501, step time: 1.0663
Batch 189/248, train_loss: 0.9991, step time: 1.0463
Batch 190/248, train_loss: 0.7471, step time: 1.0657
Batch 191/248, train_loss: 0.9966, step time: 1.0637
Batch 192/248, train_loss: 0.7508, step time: 1.0456
Batch 193/248, train_loss: 0.8671, step time: 1.0548
Batch 194/248, train_loss: 0.7174, step time: 1.0452
Batch 195/248, train_loss: 0.9991, step time: 1.0590
Batch 196/248, train_loss: 1.0000, step time: 1.0586
Batch 197/248, train_loss: 0.7608, step time: 1.0641
Batch 198/248, train_loss: 1.0000, step time: 1.0616
Batch 199/248, train_loss: 0.7928, step time: 1.0613
Batch 200/248, train_loss: 0.7105, step time: 1.0431
Batch 201/248, train_loss: 0.7123, step time: 1.0571
Batch 202/248, train_loss: 0.8289, step time: 1.0440
Batch 203/248, train_loss: 0.9734, step time: 1.0424
Batch 204/248, train_loss: 0.6783, step time: 1.0509
Batch 205/248, train_loss: 0.8684, step time: 1.0436
Batch 206/248, train_loss: 0.9113, step time: 1.0650
Batch 207/248, train_loss: 0.7015, step time: 1.0513
Batch 208/248, train_loss: 0.7559, step time: 1.0596
Batch 209/248, train_loss: 0.7231, step time: 1.0686
Batch 210/248, train_loss: 0.6774, step time: 1.0638
Batch 211/248, train_loss: 0.6919, step time: 1.0404
Batch 212/248, train_loss: 0.9636, step time: 1.0639
Batch 213/248, train_loss: 0.7040, step time: 1.0624
Batch 214/248, train_loss: 0.6945, step time: 1.0635
Batch 215/248, train_loss: 0.8509, step time: 1.0578
Batch 216/248, train_loss: 0.7324, step time: 1.0600
Batch 217/248, train_loss: 0.9250, step time: 1.0496
Batch 218/248, train_loss: 0.9989, step time: 1.0634
Batch 219/248, train_loss: 0.6914, step time: 1.0736
Batch 220/248, train_loss: 0.7820, step time: 1.0479
Batch 221/248, train_loss: 0.7892, step time: 1.0487
Batch 222/248, train_loss: 0.7293, step time: 1.0522
Batch 223/248, train_loss: 0.6631, step time: 1.0442
Batch 224/248, train_loss: 0.6922, step time: 1.0443
Batch 225/248, train_loss: 0.9812, step time: 1.0605
Batch 226/248, train_loss: 0.9305, step time: 1.0524
Batch 227/248, train_loss: 0.6978, step time: 1.0626
Batch 228/248, train_loss: 0.8055, step time: 1.0462
Batch 229/248, train_loss: 0.6903, step time: 1.0541
Batch 230/248, train_loss: 0.7032, step time: 1.0403
Batch 231/248, train_loss: 0.9996, step time: 1.0409
Batch 232/248, train_loss: 0.6909, step time: 1.0446
Batch 233/248, train_loss: 1.0000, step time: 1.0639
Batch 234/248, train_loss: 0.9866, step time: 1.0397
Batch 235/248, train_loss: 0.9974, step time: 1.0370
Batch 236/248, train_loss: 0.9992, step time: 1.0612
Batch 237/248, train_loss: 0.7089, step time: 1.0517
Batch 238/248, train_loss: 0.7007, step time: 1.0583
Batch 239/248, train_loss: 0.6932, step time: 1.0510
Batch 240/248, train_loss: 0.8502, step time: 1.0577
Batch 241/248, train_loss: 0.9948, step time: 1.0403
Batch 242/248, train_loss: 0.7325, step time: 1.0575
Batch 243/248, train_loss: 0.9997, step time: 1.0600
Batch 244/248, train_loss: 0.9815, step time: 1.0651
Batch 245/248, train_loss: 0.6943, step time: 1.0656
Batch 246/248, train_loss: 0.9617, step time: 1.0706
Batch 247/248, train_loss: 0.6538, step time: 1.0528
Batch 248/248, train_loss: 1.0000, step time: 1.0389

Labels

TC



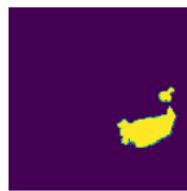
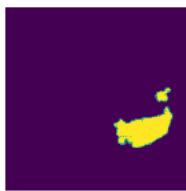
WT



ET



Predictions



VAL

```
Batch 1/31, val_loss: 0.9490
Batch 2/31, val_loss: 0.9939
Batch 3/31, val_loss: 0.9994
Batch 4/31, val_loss: 0.9804
Batch 5/31, val_loss: 0.9996
Batch 6/31, val_loss: 0.8356
Batch 7/31, val_loss: 0.9279
Batch 8/31, val_loss: 0.9910
Batch 9/31, val_loss: 0.8430
Batch 10/31, val_loss: 0.9795
Batch 11/31, val_loss: 0.9139
Batch 12/31, val_loss: 0.9940
Batch 13/31, val_loss: 0.9894
Batch 14/31, val_loss: 0.9925
Batch 15/31, val_loss: 0.9997
Batch 16/31, val_loss: 0.9953
Batch 17/31, val_loss: 0.9992
Batch 18/31, val_loss: 0.9789
Batch 19/31, val_loss: 0.8845
Batch 20/31, val_loss: 0.9534
Batch 21/31, val_loss: 0.9628
Batch 22/31, val_loss: 0.9993
Batch 23/31, val_loss: 0.9994
Batch 24/31, val_loss: 0.8472
Batch 25/31, val_loss: 0.9033
Batch 26/31, val_loss: 0.9657
Batch 27/31, val_loss: 0.9994
Batch 28/31, val_loss: 0.8844
Batch 29/31, val_loss: 0.9979
Batch 30/31, val_loss: 0.9989
Batch 31/31, val_loss: 0.9896
```

Labels

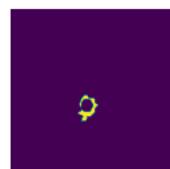
TC



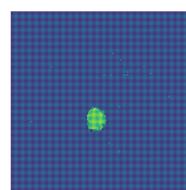
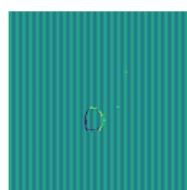
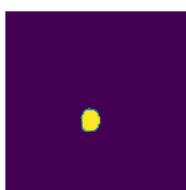
WT



ET



Predictions



epoch 7

```
average train loss: 0.8119
average validation loss: 0.9596
saved as best model: False
current mean dice: 0.1380
current TC dice: 0.3889
current WT dice: 0.0093
```

current ET dice: 0.0176
Best Mean Metric: 0.1390
time consuming of epoch 7 is: 1623.3465

epoch 8/100
TRAIN
Batch 1/248, train_loss: 0.6705, step time: 1.0321
Batch 2/248, train_loss: 0.9380, step time: 1.0398
Batch 3/248, train_loss: 0.8484, step time: 1.0395
Batch 4/248, train_loss: 0.9996, step time: 1.0314
Batch 5/248, train_loss: 0.8250, step time: 1.0328
Batch 6/248, train_loss: 0.9095, step time: 1.0577
Batch 7/248, train_loss: 0.6519, step time: 1.0287
Batch 8/248, train_loss: 0.9214, step time: 1.0319
Batch 9/248, train_loss: 0.6597, step time: 1.0493
Batch 10/248, train_loss: 0.7611, step time: 1.0341
Batch 11/248, train_loss: 0.7518, step time: 1.0282
Batch 12/248, train_loss: 0.8599, step time: 1.0364
Batch 13/248, train_loss: 0.9384, step time: 1.0436
Batch 14/248, train_loss: 0.6441, step time: 1.0410
Batch 15/248, train_loss: 0.8111, step time: 1.0572
Batch 16/248, train_loss: 0.7205, step time: 1.0287
Batch 17/248, train_loss: 0.9984, step time: 1.0472
Batch 18/248, train_loss: 0.9206, step time: 1.0417
Batch 19/248, train_loss: 0.6921, step time: 1.0340
Batch 20/248, train_loss: 0.7822, step time: 1.0591
Batch 21/248, train_loss: 0.6862, step time: 1.0361
Batch 22/248, train_loss: 1.0000, step time: 1.0421
Batch 23/248, train_loss: 0.9995, step time: 1.0265
Batch 24/248, train_loss: 0.6959, step time: 1.0460
Batch 25/248, train_loss: 0.6520, step time: 1.0531
Batch 26/248, train_loss: 0.9955, step time: 1.0421
Batch 27/248, train_loss: 0.6714, step time: 1.0465
Batch 28/248, train_loss: 0.7382, step time: 1.0369
Batch 29/248, train_loss: 0.8324, step time: 1.0449
Batch 30/248, train_loss: 0.9393, step time: 1.0542
Batch 31/248, train_loss: 0.8620, step time: 1.0552
Batch 32/248, train_loss: 0.7045, step time: 1.0422
Batch 33/248, train_loss: 0.6787, step time: 1.0497
Batch 34/248, train_loss: 0.6675, step time: 1.0324
Batch 35/248, train_loss: 0.6849, step time: 1.0423
Batch 36/248, train_loss: 0.9997, step time: 1.0323
Batch 37/248, train_loss: 0.7389, step time: 1.0345
Batch 38/248, train_loss: 0.7920, step time: 1.0311
Batch 39/248, train_loss: 0.7486, step time: 1.0527
Batch 40/248, train_loss: 0.9998, step time: 1.0335
Batch 41/248, train_loss: 0.7321, step time: 1.0364
Batch 42/248, train_loss: 0.6938, step time: 1.0330
Batch 43/248, train_loss: 0.6696, step time: 1.0427
Batch 44/248, train_loss: 0.7954, step time: 1.0555
Batch 45/248, train_loss: 0.8823, step time: 1.0457
Batch 46/248, train_loss: 0.7600, step time: 1.0404
Batch 47/248, train_loss: 0.6982, step time: 1.0530
Batch 48/248, train_loss: 0.7813, step time: 1.0428
Batch 49/248, train_loss: 0.8430, step time: 1.0283
Batch 50/248, train_loss: 0.7433, step time: 1.0422
Batch 51/248, train_loss: 0.7492, step time: 1.0530
Batch 52/248, train_loss: 0.7222, step time: 1.0512
Batch 53/248, train_loss: 0.8557, step time: 1.0382
Batch 54/248, train_loss: 0.7581, step time: 1.0539
Batch 55/248, train_loss: 0.7821, step time: 1.0266
Batch 56/248, train_loss: 0.7756, step time: 1.0486
Batch 57/248, train_loss: 0.7564, step time: 1.0345
Batch 58/248, train_loss: 0.6944, step time: 1.0349
Batch 59/248, train_loss: 0.7012, step time: 1.0261
Batch 60/248, train_loss: 0.6792, step time: 1.0399
Batch 61/248, train_loss: 0.6977, step time: 1.0353
Batch 62/248, train_loss: 0.7817, step time: 1.0346
Batch 63/248, train_loss: 0.9972, step time: 1.0283
Batch 64/248, train_loss: 0.9106, step time: 1.0404
Batch 65/248, train_loss: 0.7811, step time: 1.0385
Batch 66/248, train_loss: 0.7560, step time: 1.0460
Batch 67/248, train_loss: 0.6782, step time: 1.0298
Batch 68/248, train_loss: 0.6949, step time: 1.0299
Batch 69/248, train_loss: 0.9899, step time: 1.0452
Batch 70/248, train_loss: 0.7128, step time: 1.0286
Batch 71/248, train_loss: 0.7110, step time: 1.0257
Batch 72/248, train_loss: 0.6792, step time: 1.0510
Batch 73/248, train_loss: 0.7507, step time: 1.0465
Batch 74/248, train_loss: 1.0000, step time: 1.0391
Batch 75/248, train_loss: 0.7074, step time: 1.0451
Batch 76/248, train_loss: 0.8927, step time: 1.0536
Batch 77/248, train_loss: 0.9999, step time: 1.0341
Batch 78/248, train_loss: 0.7218, step time: 1.0365
Batch 79/248, train_loss: 0.7203, step time: 1.0375

Batch 80/248, train_loss: 0.7643, step time: 1.0411
Batch 81/248, train_loss: 0.8553, step time: 1.0322
Batch 82/248, train_loss: 0.6917, step time: 1.0414
Batch 83/248, train_loss: 0.9840, step time: 1.0420
Batch 84/248, train_loss: 0.7855, step time: 1.0221
Batch 85/248, train_loss: 0.8512, step time: 1.0477
Batch 86/248, train_loss: 0.8279, step time: 1.0484
Batch 87/248, train_loss: 0.9324, step time: 1.0242
Batch 88/248, train_loss: 0.8461, step time: 1.0331
Batch 89/248, train_loss: 0.6968, step time: 1.0234
Batch 90/248, train_loss: 0.7750, step time: 1.0377
Batch 91/248, train_loss: 0.8899, step time: 1.0413
Batch 92/248, train_loss: 0.9649, step time: 1.0269
Batch 93/248, train_loss: 0.7216, step time: 1.0237
Batch 94/248, train_loss: 0.8684, step time: 1.0329
Batch 95/248, train_loss: 0.7233, step time: 1.0225
Batch 96/248, train_loss: 0.7488, step time: 1.0263
Batch 97/248, train_loss: 0.9994, step time: 1.0265
Batch 98/248, train_loss: 0.7080, step time: 1.0361
Batch 99/248, train_loss: 0.8147, step time: 1.0422
Batch 100/248, train_loss: 0.8658, step time: 1.0267
Batch 101/248, train_loss: 0.6570, step time: 1.0226
Batch 102/248, train_loss: 0.7308, step time: 1.0316
Batch 103/248, train_loss: 0.9613, step time: 1.0440
Batch 104/248, train_loss: 0.8693, step time: 1.0561
Batch 105/248, train_loss: 0.6822, step time: 1.0491
Batch 106/248, train_loss: 0.7193, step time: 1.0347
Batch 107/248, train_loss: 0.9591, step time: 1.0293
Batch 108/248, train_loss: 0.8557, step time: 1.0445
Batch 109/248, train_loss: 0.9994, step time: 1.0244
Batch 110/248, train_loss: 0.9924, step time: 1.0453
Batch 111/248, train_loss: 0.7025, step time: 1.0285
Batch 112/248, train_loss: 0.6924, step time: 1.0326
Batch 113/248, train_loss: 0.9983, step time: 1.0474
Batch 114/248, train_loss: 0.6907, step time: 1.0573
Batch 115/248, train_loss: 0.7586, step time: 1.0513
Batch 116/248, train_loss: 0.6779, step time: 1.0489
Batch 117/248, train_loss: 0.9576, step time: 1.0260
Batch 118/248, train_loss: 0.8180, step time: 1.0295
Batch 119/248, train_loss: 0.7548, step time: 1.0279
Batch 120/248, train_loss: 0.7569, step time: 1.0469
Batch 121/248, train_loss: 0.8044, step time: 1.0534
Batch 122/248, train_loss: 0.9309, step time: 1.0503
Batch 123/248, train_loss: 0.6862, step time: 1.0403
Batch 124/248, train_loss: 0.7655, step time: 1.0364
Batch 125/248, train_loss: 0.9991, step time: 1.0379
Batch 126/248, train_loss: 0.7818, step time: 1.0485
Batch 127/248, train_loss: 0.7032, step time: 1.0347
Batch 128/248, train_loss: 0.8868, step time: 1.0522
Batch 129/248, train_loss: 0.6785, step time: 1.0556
Batch 130/248, train_loss: 0.7091, step time: 1.0491
Batch 131/248, train_loss: 0.9093, step time: 1.0232
Batch 132/248, train_loss: 0.7338, step time: 1.0283
Batch 133/248, train_loss: 0.6953, step time: 1.0466
Batch 134/248, train_loss: 0.9990, step time: 1.0538
Batch 135/248, train_loss: 0.9929, step time: 1.0555
Batch 136/248, train_loss: 0.7274, step time: 1.0397
Batch 137/248, train_loss: 0.6943, step time: 1.0436
Batch 138/248, train_loss: 0.6847, step time: 1.0448
Batch 139/248, train_loss: 0.7438, step time: 1.0399
Batch 140/248, train_loss: 0.7562, step time: 1.0515
Batch 141/248, train_loss: 0.7437, step time: 1.0283
Batch 142/248, train_loss: 0.9980, step time: 1.0556
Batch 143/248, train_loss: 0.7581, step time: 1.0459
Batch 144/248, train_loss: 0.7065, step time: 1.0402
Batch 145/248, train_loss: 0.6618, step time: 1.0404
Batch 146/248, train_loss: 0.9993, step time: 1.0289
Batch 147/248, train_loss: 0.6389, step time: 1.0263
Batch 148/248, train_loss: 0.9893, step time: 1.0273
Batch 149/248, train_loss: 0.7203, step time: 1.0523
Batch 150/248, train_loss: 0.8917, step time: 1.0375
Batch 151/248, train_loss: 0.9549, step time: 1.0559
Batch 152/248, train_loss: 0.6389, step time: 1.0306
Batch 153/248, train_loss: 0.8321, step time: 1.0270
Batch 154/248, train_loss: 0.9556, step time: 1.0412
Batch 155/248, train_loss: 0.7398, step time: 1.0438
Batch 156/248, train_loss: 0.7392, step time: 1.0388
Batch 157/248, train_loss: 0.7994, step time: 1.0299
Batch 158/248, train_loss: 0.9991, step time: 1.0265
Batch 159/248, train_loss: 0.9864, step time: 1.0271
Batch 160/248, train_loss: 0.7034, step time: 1.0434
Batch 161/248, train_loss: 0.7125, step time: 1.0437
Batch 162/248, train_loss: 0.6624, step time: 1.0466
Batch 163/248, train_loss: 0.7512, step time: 1.0327
Batch 164/248, train_loss: 0.7673, step time: 1.0415

Batch 104/248, train_loss: 0.7075, step time: 1.0447
Batch 165/248, train_loss: 0.9995, step time: 1.0477
Batch 166/248, train_loss: 0.7274, step time: 1.0264
Batch 167/248, train_loss: 0.7656, step time: 1.0311
Batch 168/248, train_loss: 0.7358, step time: 1.0524
Batch 169/248, train_loss: 0.6909, step time: 1.0429
Batch 170/248, train_loss: 0.9713, step time: 1.0516
Batch 171/248, train_loss: 0.6809, step time: 1.0272
Batch 172/248, train_loss: 0.9982, step time: 1.0248
Batch 173/248, train_loss: 0.6873, step time: 1.0398
Batch 174/248, train_loss: 0.9871, step time: 1.0245
Batch 175/248, train_loss: 0.7300, step time: 1.0338
Batch 176/248, train_loss: 0.8589, step time: 1.0323
Batch 177/248, train_loss: 0.8222, step time: 1.0432
Batch 178/248, train_loss: 0.7737, step time: 1.0385
Batch 179/248, train_loss: 0.6560, step time: 1.0376
Batch 180/248, train_loss: 0.8044, step time: 1.0528
Batch 181/248, train_loss: 0.6852, step time: 1.0290
Batch 182/248, train_loss: 0.9733, step time: 1.0498
Batch 183/248, train_loss: 0.7452, step time: 1.0330
Batch 184/248, train_loss: 0.8992, step time: 1.0353
Batch 185/248, train_loss: 0.7167, step time: 1.0327
Batch 186/248, train_loss: 0.7098, step time: 1.0434
Batch 187/248, train_loss: 0.7381, step time: 1.0473
Batch 188/248, train_loss: 0.7519, step time: 1.0284
Batch 189/248, train_loss: 0.9987, step time: 1.0269
Batch 190/248, train_loss: 0.7318, step time: 1.0515
Batch 191/248, train_loss: 0.8721, step time: 1.0336
Batch 192/248, train_loss: 0.7497, step time: 1.0449
Batch 193/248, train_loss: 0.8275, step time: 1.0423
Batch 194/248, train_loss: 0.7056, step time: 1.0265
Batch 195/248, train_loss: 0.9991, step time: 1.0312
Batch 196/248, train_loss: 1.0000, step time: 1.0427
Batch 197/248, train_loss: 0.7633, step time: 1.0458
Batch 198/248, train_loss: 1.0000, step time: 1.0394
Batch 199/248, train_loss: 0.7779, step time: 1.0497
Batch 200/248, train_loss: 0.7170, step time: 1.0426
Batch 201/248, train_loss: 0.7096, step time: 1.0298
Batch 202/248, train_loss: 0.8316, step time: 1.0289
Batch 203/248, train_loss: 0.9571, step time: 1.0268
Batch 204/248, train_loss: 0.6757, step time: 1.0406
Batch 205/248, train_loss: 0.8125, step time: 1.0437
Batch 206/248, train_loss: 0.9558, step time: 1.0354
Batch 207/248, train_loss: 0.6914, step time: 1.0504
Batch 208/248, train_loss: 0.7740, step time: 1.0258
Batch 209/248, train_loss: 0.7144, step time: 1.0423
Batch 210/248, train_loss: 0.6829, step time: 1.0502
Batch 211/248, train_loss: 0.6821, step time: 1.0483
Batch 212/248, train_loss: 0.8398, step time: 1.0360
Batch 213/248, train_loss: 0.7627, step time: 1.0409
Batch 214/248, train_loss: 0.6916, step time: 1.0567
Batch 215/248, train_loss: 0.8772, step time: 1.0335
Batch 216/248, train_loss: 0.7754, step time: 1.0256
Batch 217/248, train_loss: 0.8243, step time: 1.0279
Batch 218/248, train_loss: 0.9988, step time: 1.0387
Batch 219/248, train_loss: 0.6941, step time: 1.0455
Batch 220/248, train_loss: 0.7762, step time: 1.0290
Batch 221/248, train_loss: 0.7806, step time: 1.0307
Batch 222/248, train_loss: 0.7333, step time: 1.0260
Batch 223/248, train_loss: 0.6629, step time: 1.0450
Batch 224/248, train_loss: 0.7033, step time: 1.0404
Batch 225/248, train_loss: 0.9639, step time: 1.0406
Batch 226/248, train_loss: 0.8088, step time: 1.0316
Batch 227/248, train_loss: 0.6971, step time: 1.0274
Batch 228/248, train_loss: 0.7632, step time: 1.0310
Batch 229/248, train_loss: 0.8239, step time: 1.0544
Batch 230/248, train_loss: 0.7187, step time: 1.0280
Batch 231/248, train_loss: 0.9993, step time: 1.0257
Batch 232/248, train_loss: 0.6958, step time: 1.0408
Batch 233/248, train_loss: 0.9999, step time: 1.0216
Batch 234/248, train_loss: 0.9748, step time: 1.0521
Batch 235/248, train_loss: 0.9956, step time: 1.0492
Batch 236/248, train_loss: 0.9993, step time: 1.0365
Batch 237/248, train_loss: 0.7102, step time: 1.0410
Batch 238/248, train_loss: 0.6968, step time: 1.0460
Batch 239/248, train_loss: 0.6807, step time: 1.0518
Batch 240/248, train_loss: 0.8284, step time: 1.0567
Batch 241/248, train_loss: 0.9981, step time: 1.0277
Batch 242/248, train_loss: 0.7323, step time: 1.0435
Batch 243/248, train_loss: 0.9981, step time: 1.0541
Batch 244/248, train_loss: 0.8692, step time: 1.3988
Batch 245/248, train_loss: 0.6863, step time: 1.0309
Batch 246/248, train_loss: 0.9606, step time: 1.0427
Batch 247/248, train_loss: 0.6525, step time: 1.0487
Batch 248/248, train_loss: 1.0000, step time: 1.0199

Labels

TC



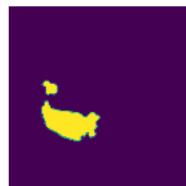
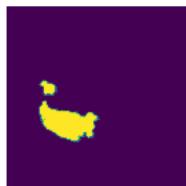
WT



ET



Predictions



VAL

```
Batch 1/31, val_loss: 0.9424
Batch 2/31, val_loss: 0.9894
Batch 3/31, val_loss: 0.9987
Batch 4/31, val_loss: 0.9797
Batch 5/31, val_loss: 0.9991
Batch 6/31, val_loss: 0.8341
Batch 7/31, val_loss: 0.9302
Batch 8/31, val_loss: 0.9936
Batch 9/31, val_loss: 0.8380
Batch 10/31, val_loss: 0.9773
Batch 11/31, val_loss: 0.9129
Batch 12/31, val_loss: 0.9931
Batch 13/31, val_loss: 0.9882
Batch 14/31, val_loss: 0.9927
Batch 15/31, val_loss: 0.9992
Batch 16/31, val_loss: 0.9947
Batch 17/31, val_loss: 0.9991
Batch 18/31, val_loss: 0.9773
Batch 19/31, val_loss: 0.8855
Batch 20/31, val_loss: 0.9575
Batch 21/31, val_loss: 0.9581
Batch 22/31, val_loss: 0.9993
Batch 23/31, val_loss: 0.9993
Batch 24/31, val_loss: 0.8494
Batch 25/31, val_loss: 0.9037
Batch 26/31, val_loss: 0.9654
Batch 27/31, val_loss: 0.9992
Batch 28/31, val_loss: 0.8799
Batch 29/31, val_loss: 0.9989
Batch 30/31, val_loss: 0.9981
Batch 31/31, val_loss: 0.9888
```

Labels

TC



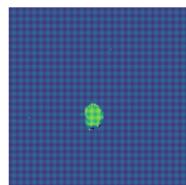
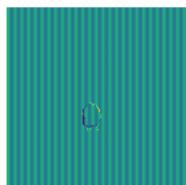
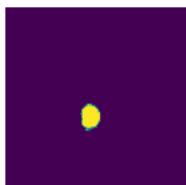
WT



ET



Predictions



epoch 8

```
average train loss: 0.8046
average validation loss: 0.9588
saved as best model: False
current mean dice: 0.1370
current TC dice: 0.3859
current WT dice: 0.0093
```

```
-----  
current ET dice: 0.0175  
Best Mean Metric: 0.1390  
time consuming of epoch 8 is: 1613.9845  
-----  
epoch 9/100  
TRAIN  
Batch 1/248, train_loss: 0.6705, step time: 1.0486  
Batch 2/248, train_loss: 0.9532, step time: 1.0423  
Batch 3/248, train_loss: 0.8559, step time: 1.0275  
Batch 4/248, train_loss: 0.9975, step time: 1.0245  
Batch 5/248, train_loss: 0.7872, step time: 1.0559  
Batch 6/248, train_loss: 0.9047, step time: 1.0527  
Batch 7/248, train_loss: 0.6476, step time: 1.0346  
Batch 8/248, train_loss: 0.9204, step time: 1.0313  
Batch 9/248, train_loss: 0.6597, step time: 1.0314  
Batch 10/248, train_loss: 0.7783, step time: 1.0474  
Batch 11/248, train_loss: 0.7446, step time: 1.0519  
Batch 12/248, train_loss: 0.9133, step time: 1.0502  
Batch 13/248, train_loss: 0.8938, step time: 1.0432  
Batch 14/248, train_loss: 0.6438, step time: 1.0370  
Batch 15/248, train_loss: 0.8131, step time: 1.0285  
Batch 16/248, train_loss: 0.7260, step time: 1.0404  
Batch 17/248, train_loss: 0.9982, step time: 1.0265  
Batch 18/248, train_loss: 0.8838, step time: 1.0512  
Batch 19/248, train_loss: 0.7467, step time: 1.0330  
Batch 20/248, train_loss: 0.7507, step time: 1.0383  
Batch 21/248, train_loss: 0.6850, step time: 1.0398  
Batch 22/248, train_loss: 0.9999, step time: 1.0428  
Batch 23/248, train_loss: 0.9995, step time: 1.0303  
Batch 24/248, train_loss: 0.7288, step time: 1.0304  
Batch 25/248, train_loss: 0.7378, step time: 1.0352  
Batch 26/248, train_loss: 0.9820, step time: 1.0297  
Batch 27/248, train_loss: 0.7197, step time: 1.0421  
Batch 28/248, train_loss: 0.7503, step time: 1.0288  
Batch 29/248, train_loss: 0.8434, step time: 1.0430  
Batch 30/248, train_loss: 0.7641, step time: 1.0424  
Batch 31/248, train_loss: 0.8489, step time: 1.0501  
Batch 32/248, train_loss: 0.6974, step time: 1.0333  
Batch 33/248, train_loss: 0.6857, step time: 1.0489  
Batch 34/248, train_loss: 0.6666, step time: 1.0277  
Batch 35/248, train_loss: 0.6862, step time: 1.0510  
Batch 36/248, train_loss: 0.9998, step time: 1.0507  
Batch 37/248, train_loss: 0.7398, step time: 1.0345  
Batch 38/248, train_loss: 0.7967, step time: 1.0426  
Batch 39/248, train_loss: 0.9274, step time: 1.0409  
Batch 40/248, train_loss: 0.9999, step time: 1.0368  
Batch 41/248, train_loss: 0.7261, step time: 1.0335  
Batch 42/248, train_loss: 0.6953, step time: 1.0539  
Batch 43/248, train_loss: 0.6755, step time: 1.0512  
Batch 44/248, train_loss: 0.7996, step time: 1.0405  
Batch 45/248, train_loss: 0.8817, step time: 1.0530  
Batch 46/248, train_loss: 0.7712, step time: 1.0356  
Batch 47/248, train_loss: 0.7017, step time: 1.0519  
Batch 48/248, train_loss: 0.8054, step time: 1.0443  
Batch 49/248, train_loss: 0.8227, step time: 1.0492  
Batch 50/248, train_loss: 0.7253, step time: 1.0263  
Batch 51/248, train_loss: 0.7558, step time: 1.0279  
Batch 52/248, train_loss: 0.7139, step time: 1.0521  
Batch 53/248, train_loss: 0.8421, step time: 1.0549  
Batch 54/248, train_loss: 0.7620, step time: 1.0254  
Batch 55/248, train_loss: 0.7771, step time: 1.0475  
Batch 56/248, train_loss: 0.7444, step time: 1.0469  
Batch 57/248, train_loss: 0.7623, step time: 1.0388  
Batch 58/248, train_loss: 0.6937, step time: 1.0467  
Batch 59/248, train_loss: 0.7007, step time: 1.0308  
Batch 60/248, train_loss: 0.6781, step time: 1.0388  
Batch 61/248, train_loss: 0.6994, step time: 1.0403  
Batch 62/248, train_loss: 0.7854, step time: 1.0477  
Batch 63/248, train_loss: 0.9860, step time: 1.0468  
Batch 64/248, train_loss: 0.8884, step time: 1.0325  
Batch 65/248, train_loss: 0.8392, step time: 1.0435  
Batch 66/248, train_loss: 0.7601, step time: 1.0495  
Batch 67/248, train_loss: 0.6856, step time: 1.0439  
Batch 68/248, train_loss: 0.6983, step time: 1.0374  
Batch 69/248, train_loss: 0.9965, step time: 1.0552  
Batch 70/248, train_loss: 0.7159, step time: 1.0439  
Batch 71/248, train_loss: 0.7090, step time: 1.0543  
Batch 72/248, train_loss: 0.6774, step time: 1.0449  
Batch 73/248, train_loss: 0.7669, step time: 1.0386  
Batch 74/248, train_loss: 1.0000, step time: 1.0372  
Batch 75/248, train_loss: 0.7098, step time: 1.0332  
Batch 76/248, train_loss: 0.8637, step time: 1.0511  
Batch 77/248, train_loss: 0.9996, step time: 1.0322  
Batch 78/248, train_loss: 0.7197, step time: 1.0419  
Batch 79/248, train_loss: 0.7100, step time: 1.0510
```

Batch 79/248, train_loss: 0.7198, step time: 1.0519
Batch 80/248, train_loss: 0.7663, step time: 1.0465
Batch 81/248, train_loss: 0.7604, step time: 1.0497
Batch 82/248, train_loss: 0.6905, step time: 1.0282
Batch 83/248, train_loss: 0.9685, step time: 1.0280
Batch 84/248, train_loss: 0.7401, step time: 1.0422
Batch 85/248, train_loss: 0.8361, step time: 1.0520
Batch 86/248, train_loss: 0.8287, step time: 1.0374
Batch 87/248, train_loss: 0.9835, step time: 1.0310
Batch 88/248, train_loss: 0.9435, step time: 1.0344
Batch 89/248, train_loss: 0.6695, step time: 1.0231
Batch 90/248, train_loss: 0.7579, step time: 1.0254
Batch 91/248, train_loss: 0.7945, step time: 1.0277
Batch 92/248, train_loss: 0.9674, step time: 1.0274
Batch 93/248, train_loss: 0.7125, step time: 1.0374
Batch 94/248, train_loss: 0.8225, step time: 1.0382
Batch 95/248, train_loss: 0.7248, step time: 1.0377
Batch 96/248, train_loss: 0.7420, step time: 1.0488
Batch 97/248, train_loss: 0.9996, step time: 1.0464
Batch 98/248, train_loss: 0.6897, step time: 1.0430
Batch 99/248, train_loss: 0.8189, step time: 1.0255
Batch 100/248, train_loss: 0.9027, step time: 1.0395
Batch 101/248, train_loss: 0.6488, step time: 1.0330
Batch 102/248, train_loss: 0.7276, step time: 1.0522
Batch 103/248, train_loss: 0.9169, step time: 1.0398
Batch 104/248, train_loss: 0.7807, step time: 1.0410
Batch 105/248, train_loss: 0.6865, step time: 1.0230
Batch 106/248, train_loss: 0.7067, step time: 1.0261
Batch 107/248, train_loss: 0.8459, step time: 1.0313
Batch 108/248, train_loss: 0.8467, step time: 1.0252
Batch 109/248, train_loss: 0.9995, step time: 1.0295
Batch 110/248, train_loss: 0.9895, step time: 1.0333
Batch 111/248, train_loss: 0.7165, step time: 1.0322
Batch 112/248, train_loss: 0.7084, step time: 1.0358
Batch 113/248, train_loss: 0.9965, step time: 1.0320
Batch 114/248, train_loss: 0.6986, step time: 1.0354
Batch 115/248, train_loss: 0.7360, step time: 1.0363
Batch 116/248, train_loss: 0.7033, step time: 1.0297
Batch 117/248, train_loss: 0.9956, step time: 1.0435
Batch 118/248, train_loss: 0.9948, step time: 1.0464
Batch 119/248, train_loss: 0.8018, step time: 1.0447
Batch 120/248, train_loss: 0.7634, step time: 1.0318
Batch 121/248, train_loss: 0.7719, step time: 1.0253
Batch 122/248, train_loss: 0.8255, step time: 1.0445
Batch 123/248, train_loss: 0.6929, step time: 1.0384
Batch 124/248, train_loss: 0.8331, step time: 1.0471
Batch 125/248, train_loss: 0.9693, step time: 1.0274
Batch 126/248, train_loss: 0.7562, step time: 1.0436
Batch 127/248, train_loss: 0.7025, step time: 1.0411
Batch 128/248, train_loss: 0.8541, step time: 1.0342
Batch 129/248, train_loss: 0.6873, step time: 1.0296
Batch 130/248, train_loss: 0.7021, step time: 1.0287
Batch 131/248, train_loss: 0.8505, step time: 1.0274
Batch 132/248, train_loss: 0.9157, step time: 1.0536
Batch 133/248, train_loss: 0.7029, step time: 1.0312
Batch 134/248, train_loss: 0.9995, step time: 1.0326
Batch 135/248, train_loss: 0.9944, step time: 1.0580
Batch 136/248, train_loss: 0.7332, step time: 1.0264
Batch 137/248, train_loss: 0.6906, step time: 1.0259
Batch 138/248, train_loss: 0.6806, step time: 1.0421
Batch 139/248, train_loss: 0.7653, step time: 1.0377
Batch 140/248, train_loss: 0.7425, step time: 1.0420
Batch 141/248, train_loss: 0.7397, step time: 1.0265
Batch 142/248, train_loss: 0.9970, step time: 1.0261
Batch 143/248, train_loss: 0.7590, step time: 1.0316
Batch 144/248, train_loss: 0.7034, step time: 1.0562
Batch 145/248, train_loss: 0.6505, step time: 1.0460
Batch 146/248, train_loss: 0.9994, step time: 1.0224
Batch 147/248, train_loss: 0.6336, step time: 1.0400
Batch 148/248, train_loss: 0.9869, step time: 1.0270
Batch 149/248, train_loss: 0.7150, step time: 1.0515
Batch 150/248, train_loss: 0.8863, step time: 1.0309
Batch 151/248, train_loss: 0.9760, step time: 1.0311
Batch 152/248, train_loss: 0.6385, step time: 1.0236
Batch 153/248, train_loss: 0.8401, step time: 1.0431
Batch 154/248, train_loss: 0.9662, step time: 1.0296
Batch 155/248, train_loss: 0.7413, step time: 1.0516
Batch 156/248, train_loss: 0.7352, step time: 1.0502
Batch 157/248, train_loss: 0.7964, step time: 1.0429
Batch 158/248, train_loss: 0.9989, step time: 1.0343
Batch 159/248, train_loss: 0.9869, step time: 1.0278
Batch 160/248, train_loss: 0.6975, step time: 1.0320
Batch 161/248, train_loss: 0.7039, step time: 1.0271
Batch 162/248, train_loss: 0.6515, step time: 1.0391
Batch 163/248, train_loss: 0.8420, step time: 1.0522

Batch 164/248, train_loss: 0.7293, step time: 1.0515
Batch 165/248, train_loss: 0.9998, step time: 1.0454
Batch 166/248, train_loss: 0.7171, step time: 1.0355
Batch 167/248, train_loss: 0.7443, step time: 1.0297
Batch 168/248, train_loss: 0.7406, step time: 1.0411
Batch 169/248, train_loss: 0.6903, step time: 1.0370
Batch 170/248, train_loss: 0.9780, step time: 1.0250
Batch 171/248, train_loss: 0.6742, step time: 1.0279
Batch 172/248, train_loss: 0.9973, step time: 1.0486
Batch 173/248, train_loss: 0.6782, step time: 1.0276
Batch 174/248, train_loss: 0.8933, step time: 1.0294
Batch 175/248, train_loss: 0.7299, step time: 1.0377
Batch 176/248, train_loss: 0.8421, step time: 1.0244
Batch 177/248, train_loss: 0.8103, step time: 1.0511
Batch 178/248, train_loss: 0.7809, step time: 1.0252
Batch 179/248, train_loss: 0.6622, step time: 1.0366
Batch 180/248, train_loss: 0.8134, step time: 1.0508
Batch 181/248, train_loss: 0.6894, step time: 1.0515
Batch 182/248, train_loss: 0.9893, step time: 1.0334
Batch 183/248, train_loss: 0.7125, step time: 1.0401
Batch 184/248, train_loss: 0.8646, step time: 1.0350
Batch 185/248, train_loss: 0.7177, step time: 1.0489
Batch 186/248, train_loss: 0.7130, step time: 1.0377
Batch 187/248, train_loss: 0.7433, step time: 1.0429
Batch 188/248, train_loss: 0.7502, step time: 1.0391
Batch 189/248, train_loss: 0.9985, step time: 1.0384
Batch 190/248, train_loss: 0.7160, step time: 1.0379
Batch 191/248, train_loss: 0.8975, step time: 1.0394
Batch 192/248, train_loss: 0.7484, step time: 1.0416
Batch 193/248, train_loss: 0.7817, step time: 1.0286
Batch 194/248, train_loss: 0.7082, step time: 1.0557
Batch 195/248, train_loss: 0.9936, step time: 1.0521
Batch 196/248, train_loss: 1.0000, step time: 1.0391
Batch 197/248, train_loss: 0.7541, step time: 1.0465
Batch 198/248, train_loss: 1.0000, step time: 1.0476
Batch 199/248, train_loss: 0.7403, step time: 1.0306
Batch 200/248, train_loss: 0.7107, step time: 1.0253
Batch 201/248, train_loss: 0.7154, step time: 1.0269
Batch 202/248, train_loss: 0.8505, step time: 1.0424
Batch 203/248, train_loss: 0.9200, step time: 1.0260
Batch 204/248, train_loss: 0.6793, step time: 1.0479
Batch 205/248, train_loss: 0.8160, step time: 1.0500
Batch 206/248, train_loss: 0.9984, step time: 1.0513
Batch 207/248, train_loss: 0.6835, step time: 1.0496
Batch 208/248, train_loss: 0.7369, step time: 1.0246
Batch 209/248, train_loss: 0.7124, step time: 1.0441
Batch 210/248, train_loss: 0.6791, step time: 1.0489
Batch 211/248, train_loss: 0.6862, step time: 1.0551
Batch 212/248, train_loss: 0.8402, step time: 1.0527
Batch 213/248, train_loss: 0.7153, step time: 1.0451
Batch 214/248, train_loss: 0.6947, step time: 1.0483
Batch 215/248, train_loss: 0.7979, step time: 1.0355
Batch 216/248, train_loss: 0.7543, step time: 1.0550
Batch 217/248, train_loss: 0.7890, step time: 1.0530
Batch 218/248, train_loss: 0.9990, step time: 1.0394
Batch 219/248, train_loss: 0.7044, step time: 1.0416
Batch 220/248, train_loss: 0.7700, step time: 1.0430
Batch 221/248, train_loss: 0.7580, step time: 1.0272
Batch 222/248, train_loss: 0.7606, step time: 1.0333
Batch 223/248, train_loss: 0.6592, step time: 1.0307
Batch 224/248, train_loss: 0.6918, step time: 1.0426
Batch 225/248, train_loss: 0.9738, step time: 1.0309
Batch 226/248, train_loss: 0.9479, step time: 1.0332
Batch 227/248, train_loss: 0.6908, step time: 1.0393
Batch 228/248, train_loss: 0.8087, step time: 1.0252
Batch 229/248, train_loss: 0.6841, step time: 1.0548
Batch 230/248, train_loss: 0.7110, step time: 1.0285
Batch 231/248, train_loss: 0.9999, step time: 1.0482
Batch 232/248, train_loss: 0.6877, step time: 1.0475
Batch 233/248, train_loss: 0.9999, step time: 1.0258
Batch 234/248, train_loss: 0.9260, step time: 1.0287
Batch 235/248, train_loss: 0.9974, step time: 1.0384
Batch 236/248, train_loss: 0.9997, step time: 1.0551
Batch 237/248, train_loss: 0.7082, step time: 1.0386
Batch 238/248, train_loss: 0.6926, step time: 1.0598
Batch 239/248, train_loss: 0.6786, step time: 1.0459
Batch 240/248, train_loss: 0.8197, step time: 1.0459
Batch 241/248, train_loss: 0.9976, step time: 1.0294
Batch 242/248, train_loss: 0.7374, step time: 1.0386
Batch 243/248, train_loss: 0.9993, step time: 1.0404
Batch 244/248, train_loss: 0.9820, step time: 1.0343
Batch 245/248, train_loss: 0.6860, step time: 1.0368
Batch 246/248, train_loss: 0.9652, step time: 1.0591
Batch 247/248, train_loss: 0.6560, step time: 1.0412
Batch 248/248, train_loss: 1.0000, step time: 1.0228

Labels

TC



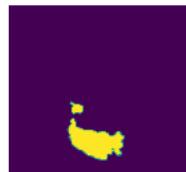
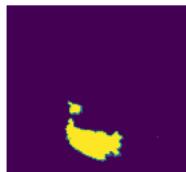
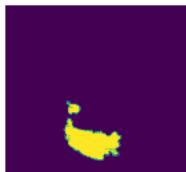
WT



ET



Predictions



VAL

```
Batch 1/31, val_loss: 0.9449
Batch 2/31, val_loss: 0.9846
Batch 3/31, val_loss: 0.9983
Batch 4/31, val_loss: 0.9798
Batch 5/31, val_loss: 0.9987
Batch 6/31, val_loss: 0.8331
Batch 7/31, val_loss: 0.9217
Batch 8/31, val_loss: 0.9900
Batch 9/31, val_loss: 0.8375
Batch 10/31, val_loss: 0.9889
Batch 11/31, val_loss: 0.9104
Batch 12/31, val_loss: 0.9907
Batch 13/31, val_loss: 0.9873
Batch 14/31, val_loss: 0.9860
Batch 15/31, val_loss: 0.9986
Batch 16/31, val_loss: 0.9928
Batch 17/31, val_loss: 0.9985
Batch 18/31, val_loss: 0.9766
Batch 19/31, val_loss: 0.8825
Batch 20/31, val_loss: 0.9582
Batch 21/31, val_loss: 0.9551
Batch 22/31, val_loss: 0.9951
Batch 23/31, val_loss: 0.9987
Batch 24/31, val_loss: 0.8491
Batch 25/31, val_loss: 0.8999
Batch 26/31, val_loss: 0.9648
Batch 27/31, val_loss: 0.9989
Batch 28/31, val_loss: 0.8828
Batch 29/31, val_loss: 0.9979
Batch 30/31, val_loss: 0.9981
Batch 31/31, val_loss: 0.9878
```

Labels

TC



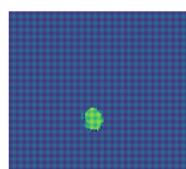
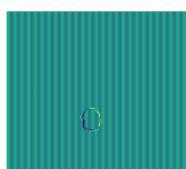
WT



ET



Predictions



epoch 9

```
average train loss: 0.8031
average validation loss: 0.9576
saved as best model: True
current mean dice: 0.1406
current TC dice: 0.3970
    0.0000  0.0000
```

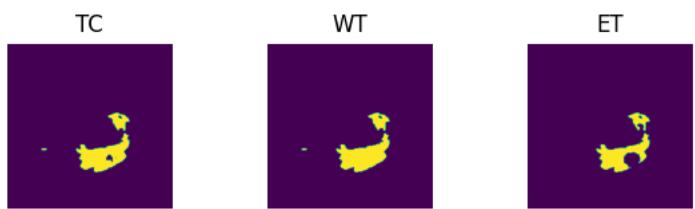
```
current WI dice: 0.0092
current ET dice: 0.0172
Best Mean Metric: 0.1406
time consuming of epoch 9 is: 1628.2602
-----
epoch 10/100
TRAIN
Batch 1/248, train_loss: 0.6670, step time: 1.0440
Batch 2/248, train_loss: 0.9143, step time: 1.0422
Batch 3/248, train_loss: 0.8432, step time: 1.0271
Batch 4/248, train_loss: 0.9990, step time: 1.0214
Batch 5/248, train_loss: 0.7585, step time: 1.0504
Batch 6/248, train_loss: 0.8912, step time: 1.0512
Batch 7/248, train_loss: 0.6520, step time: 1.0510
Batch 8/248, train_loss: 0.9167, step time: 1.0418
Batch 9/248, train_loss: 0.6569, step time: 1.0421
Batch 10/248, train_loss: 0.7823, step time: 1.0362
Batch 11/248, train_loss: 0.7662, step time: 1.0280
Batch 12/248, train_loss: 0.8683, step time: 1.0491
Batch 13/248, train_loss: 0.8924, step time: 1.0322
Batch 14/248, train_loss: 0.6413, step time: 1.0283
Batch 15/248, train_loss: 0.8125, step time: 1.0291
Batch 16/248, train_loss: 0.7176, step time: 1.0571
Batch 17/248, train_loss: 0.9586, step time: 1.0294
Batch 18/248, train_loss: 0.9114, step time: 1.0288
Batch 19/248, train_loss: 0.6950, step time: 1.0430
Batch 20/248, train_loss: 0.7830, step time: 1.0533
Batch 21/248, train_loss: 0.6836, step time: 1.0389
Batch 22/248, train_loss: 0.9999, step time: 1.0329
Batch 23/248, train_loss: 0.9999, step time: 1.0312
Batch 24/248, train_loss: 0.6945, step time: 1.0494
Batch 25/248, train_loss: 0.6522, step time: 1.0445
Batch 26/248, train_loss: 0.9167, step time: 1.0264
Batch 27/248, train_loss: 0.6684, step time: 1.0449
Batch 28/248, train_loss: 0.7412, step time: 1.0368
Batch 29/248, train_loss: 0.8471, step time: 1.0438
Batch 30/248, train_loss: 0.7602, step time: 1.0389
Batch 31/248, train_loss: 0.8379, step time: 1.0483
Batch 32/248, train_loss: 0.6944, step time: 1.0282
Batch 33/248, train_loss: 0.6757, step time: 1.0506
Batch 34/248, train_loss: 0.6657, step time: 1.0395
Batch 35/248, train_loss: 0.6825, step time: 1.0512
Batch 36/248, train_loss: 0.9967, step time: 1.0464
Batch 37/248, train_loss: 0.7456, step time: 1.0263
Batch 38/248, train_loss: 0.7834, step time: 1.0410
Batch 39/248, train_loss: 0.7543, step time: 1.0257
Batch 40/248, train_loss: 0.9999, step time: 1.0201
Batch 41/248, train_loss: 0.7398, step time: 1.0314
Batch 42/248, train_loss: 0.6908, step time: 1.0339
Batch 43/248, train_loss: 0.6687, step time: 1.0459
Batch 44/248, train_loss: 0.7730, step time: 1.0553
Batch 45/248, train_loss: 0.9549, step time: 1.0469
Batch 46/248, train_loss: 0.7650, step time: 1.0247
Batch 47/248, train_loss: 0.6944, step time: 1.0396
Batch 48/248, train_loss: 0.7616, step time: 1.0381
Batch 49/248, train_loss: 0.8163, step time: 1.0507
Batch 50/248, train_loss: 0.7268, step time: 1.0276
Batch 51/248, train_loss: 0.7524, step time: 1.0394
Batch 52/248, train_loss: 0.7165, step time: 1.0434
Batch 53/248, train_loss: 0.8251, step time: 1.0413
Batch 54/248, train_loss: 0.7628, step time: 1.0272
Batch 55/248, train_loss: 0.7782, step time: 1.0529
Batch 56/248, train_loss: 0.7377, step time: 1.0239
Batch 57/248, train_loss: 0.7739, step time: 1.0326
Batch 58/248, train_loss: 0.6945, step time: 1.0485
Batch 59/248, train_loss: 0.6938, step time: 1.0379
Batch 60/248, train_loss: 0.6775, step time: 1.0508
Batch 61/248, train_loss: 0.6936, step time: 1.0368
Batch 62/248, train_loss: 0.7809, step time: 1.0269
Batch 63/248, train_loss: 0.9862, step time: 1.0567
Batch 64/248, train_loss: 0.8817, step time: 1.0475
Batch 65/248, train_loss: 0.7686, step time: 1.0264
Batch 66/248, train_loss: 0.7721, step time: 1.0389
Batch 67/248, train_loss: 0.6739, step time: 1.0256
Batch 68/248, train_loss: 0.6978, step time: 1.0374
Batch 69/248, train_loss: 0.9937, step time: 1.0365
Batch 70/248, train_loss: 0.7164, step time: 1.0373
Batch 71/248, train_loss: 0.7233, step time: 1.0478
Batch 72/248, train_loss: 0.6769, step time: 1.0309
Batch 73/248, train_loss: 0.8210, step time: 1.0388
Batch 74/248, train_loss: 0.9999, step time: 1.0373
Batch 75/248, train_loss: 0.7031, step time: 1.0272
Batch 76/248, train_loss: 0.8737, step time: 1.0255
Batch 77/248, train_loss: 0.9997, step time: 1.0337
Batch 78/248, train_loss: 0.7205, step time: 1.0497
```

Batch 79/248, train_loss: 0.7255, step time: 1.0475
Batch 80/248, train_loss: 0.7635, step time: 1.0470
Batch 81/248, train_loss: 0.7795, step time: 1.0544
Batch 82/248, train_loss: 0.6880, step time: 1.0450
Batch 83/248, train_loss: 0.9794, step time: 1.0236
Batch 84/248, train_loss: 0.7670, step time: 1.0306
Batch 85/248, train_loss: 0.9940, step time: 1.0393
Batch 86/248, train_loss: 0.8598, step time: 1.0272
Batch 87/248, train_loss: 0.9368, step time: 1.0310
Batch 88/248, train_loss: 0.8286, step time: 1.0539
Batch 89/248, train_loss: 0.6660, step time: 1.0278
Batch 90/248, train_loss: 0.8563, step time: 1.0248
Batch 91/248, train_loss: 0.7986, step time: 1.0289
Batch 92/248, train_loss: 0.9868, step time: 1.0235
Batch 93/248, train_loss: 0.7112, step time: 1.0298
Batch 94/248, train_loss: 0.7621, step time: 1.0282
Batch 95/248, train_loss: 0.7179, step time: 1.0295
Batch 96/248, train_loss: 0.7363, step time: 1.0507
Batch 97/248, train_loss: 0.9994, step time: 1.0345
Batch 98/248, train_loss: 0.7008, step time: 1.0395
Batch 99/248, train_loss: 0.8402, step time: 1.0292
Batch 100/248, train_loss: 0.8787, step time: 1.0295
Batch 101/248, train_loss: 0.6558, step time: 1.0500
Batch 102/248, train_loss: 0.7558, step time: 1.0426
Batch 103/248, train_loss: 0.9326, step time: 1.0518
Batch 104/248, train_loss: 0.8233, step time: 1.0298
Batch 105/248, train_loss: 0.6813, step time: 1.0516
Batch 106/248, train_loss: 0.7112, step time: 1.0249
Batch 107/248, train_loss: 0.8914, step time: 1.0304
Batch 108/248, train_loss: 0.8903, step time: 1.0430
Batch 109/248, train_loss: 0.9977, step time: 1.0253
Batch 110/248, train_loss: 0.9983, step time: 1.0486
Batch 111/248, train_loss: 0.7109, step time: 1.0348
Batch 112/248, train_loss: 0.6945, step time: 1.0470
Batch 113/248, train_loss: 0.9991, step time: 1.0396
Batch 114/248, train_loss: 0.6883, step time: 1.0463
Batch 115/248, train_loss: 0.7494, step time: 1.0250
Batch 116/248, train_loss: 0.6858, step time: 1.0539
Batch 117/248, train_loss: 0.9433, step time: 1.0415
Batch 118/248, train_loss: 0.9046, step time: 1.0494
Batch 119/248, train_loss: 0.7689, step time: 1.0406
Batch 120/248, train_loss: 0.7700, step time: 1.0284
Batch 121/248, train_loss: 0.8218, step time: 1.0449
Batch 122/248, train_loss: 0.8390, step time: 1.0242
Batch 123/248, train_loss: 0.6895, step time: 1.0268
Batch 124/248, train_loss: 0.7753, step time: 1.0551
Batch 125/248, train_loss: 0.9285, step time: 1.0401
Batch 126/248, train_loss: 0.7781, step time: 1.0296
Batch 127/248, train_loss: 0.7014, step time: 1.0291
Batch 128/248, train_loss: 0.8412, step time: 1.0570
Batch 129/248, train_loss: 0.6890, step time: 1.0513
Batch 130/248, train_loss: 0.7098, step time: 1.0474
Batch 131/248, train_loss: 0.8045, step time: 1.0556
Batch 132/248, train_loss: 0.7486, step time: 1.0340
Batch 133/248, train_loss: 0.7357, step time: 1.0540
Batch 134/248, train_loss: 0.9990, step time: 1.0430
Batch 135/248, train_loss: 0.9428, step time: 1.0411
Batch 136/248, train_loss: 0.7134, step time: 1.0300
Batch 137/248, train_loss: 0.7033, step time: 1.0323
Batch 138/248, train_loss: 0.6784, step time: 1.0448
Batch 139/248, train_loss: 0.7285, step time: 1.0554
Batch 140/248, train_loss: 0.7382, step time: 1.0433
Batch 141/248, train_loss: 0.7352, step time: 1.0273
Batch 142/248, train_loss: 0.9906, step time: 1.0438
Batch 143/248, train_loss: 0.7659, step time: 1.0516
Batch 144/248, train_loss: 0.7041, step time: 1.0442
Batch 145/248, train_loss: 0.6600, step time: 1.0264
Batch 146/248, train_loss: 0.9993, step time: 1.0458
Batch 147/248, train_loss: 0.6341, step time: 1.0379
Batch 148/248, train_loss: 0.9917, step time: 1.0275
Batch 149/248, train_loss: 0.7171, step time: 1.0316
Batch 150/248, train_loss: 0.8786, step time: 1.0365
Batch 151/248, train_loss: 0.9681, step time: 1.0231
Batch 152/248, train_loss: 0.6359, step time: 1.0240
Batch 153/248, train_loss: 0.7745, step time: 1.0295
Batch 154/248, train_loss: 0.9309, step time: 1.0509
Batch 155/248, train_loss: 0.7185, step time: 1.0424
Batch 156/248, train_loss: 0.7400, step time: 1.0523
Batch 157/248, train_loss: 0.7994, step time: 1.0482
Batch 158/248, train_loss: 0.9993, step time: 1.0415
Batch 159/248, train_loss: 0.8948, step time: 1.0324
Batch 160/248, train_loss: 0.6933, step time: 1.0231
Batch 161/248, train_loss: 0.7013, step time: 1.0471
Batch 162/248, train_loss: 0.6609, step time: 1.0442
Batch 163/248, train_loss: 0.7263, step time: 1.0385

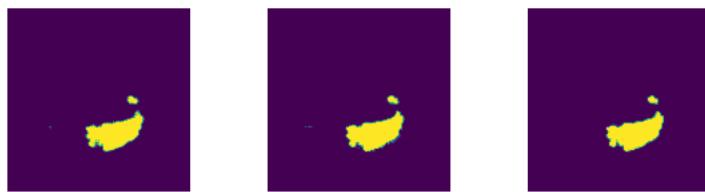
Batch 164/248, train_loss: 0.7751, step time: 1.0512
Batch 165/248, train_loss: 0.9997, step time: 1.0376
Batch 166/248, train_loss: 0.7127, step time: 1.0263
Batch 167/248, train_loss: 0.7643, step time: 1.0515
Batch 168/248, train_loss: 0.7374, step time: 1.0287
Batch 169/248, train_loss: 0.6950, step time: 1.0475
Batch 170/248, train_loss: 0.9424, step time: 1.0433
Batch 171/248, train_loss: 0.6701, step time: 1.0450
Batch 172/248, train_loss: 0.9840, step time: 1.0458
Batch 173/248, train_loss: 0.6801, step time: 1.0259
Batch 174/248, train_loss: 0.9869, step time: 1.0262
Batch 175/248, train_loss: 0.7214, step time: 1.0462
Batch 176/248, train_loss: 0.8327, step time: 1.0340
Batch 177/248, train_loss: 0.8558, step time: 1.0402
Batch 178/248, train_loss: 0.7529, step time: 1.0365
Batch 179/248, train_loss: 0.6519, step time: 1.0583
Batch 180/248, train_loss: 0.8022, step time: 1.0484
Batch 181/248, train_loss: 0.6847, step time: 1.0451
Batch 182/248, train_loss: 0.9727, step time: 1.0415
Batch 183/248, train_loss: 0.7001, step time: 1.0337
Batch 184/248, train_loss: 0.8512, step time: 1.0472
Batch 185/248, train_loss: 0.7127, step time: 1.0312
Batch 186/248, train_loss: 0.6972, step time: 1.0540
Batch 187/248, train_loss: 0.7226, step time: 1.0225
Batch 188/248, train_loss: 0.7443, step time: 1.0384
Batch 189/248, train_loss: 0.9941, step time: 1.0463
Batch 190/248, train_loss: 0.7187, step time: 1.0350
Batch 191/248, train_loss: 0.8642, step time: 1.0481
Batch 192/248, train_loss: 0.7538, step time: 1.0271
Batch 193/248, train_loss: 0.7629, step time: 1.0270
Batch 194/248, train_loss: 0.7040, step time: 1.0236
Batch 195/248, train_loss: 0.9981, step time: 1.0426
Batch 196/248, train_loss: 1.0000, step time: 1.0385
Batch 197/248, train_loss: 0.7770, step time: 1.0296
Batch 198/248, train_loss: 1.0000, step time: 1.0414
Batch 199/248, train_loss: 0.7257, step time: 1.0274
Batch 200/248, train_loss: 0.7092, step time: 1.0291
Batch 201/248, train_loss: 0.7120, step time: 1.0545
Batch 202/248, train_loss: 0.8391, step time: 1.0578
Batch 203/248, train_loss: 0.9244, step time: 1.0531
Batch 204/248, train_loss: 0.6810, step time: 1.0535
Batch 205/248, train_loss: 0.8266, step time: 1.0262
Batch 206/248, train_loss: 0.7632, step time: 1.0535
Batch 207/248, train_loss: 0.6872, step time: 1.0307
Batch 208/248, train_loss: 0.7330, step time: 1.0519
Batch 209/248, train_loss: 0.7096, step time: 1.0320
Batch 210/248, train_loss: 0.6753, step time: 1.0284
Batch 211/248, train_loss: 0.6884, step time: 1.0330
Batch 212/248, train_loss: 0.7548, step time: 1.0250
Batch 213/248, train_loss: 0.7120, step time: 1.0268
Batch 214/248, train_loss: 0.6959, step time: 1.0405
Batch 215/248, train_loss: 0.8053, step time: 1.0303
Batch 216/248, train_loss: 0.7233, step time: 1.0475
Batch 217/248, train_loss: 0.8739, step time: 1.0336
Batch 218/248, train_loss: 0.9997, step time: 1.0236
Batch 219/248, train_loss: 0.6973, step time: 1.0278
Batch 220/248, train_loss: 0.7754, step time: 1.0406
Batch 221/248, train_loss: 0.8034, step time: 1.0356
Batch 222/248, train_loss: 0.7400, step time: 1.0378
Batch 223/248, train_loss: 0.6617, step time: 1.0525
Batch 224/248, train_loss: 0.6914, step time: 1.0282
Batch 225/248, train_loss: 0.9018, step time: 1.0444
Batch 226/248, train_loss: 0.7339, step time: 1.0296
Batch 227/248, train_loss: 0.6961, step time: 1.0455
Batch 228/248, train_loss: 0.7905, step time: 1.0348
Batch 229/248, train_loss: 0.6946, step time: 1.0292
Batch 230/248, train_loss: 0.6950, step time: 1.0284
Batch 231/248, train_loss: 0.9998, step time: 1.0334
Batch 232/248, train_loss: 0.6885, step time: 1.0540
Batch 233/248, train_loss: 0.9997, step time: 1.0351
Batch 234/248, train_loss: 0.8899, step time: 1.0458
Batch 235/248, train_loss: 0.9422, step time: 1.0572
Batch 236/248, train_loss: 0.9995, step time: 1.0395
Batch 237/248, train_loss: 0.7151, step time: 1.0389
Batch 238/248, train_loss: 0.7047, step time: 1.0372
Batch 239/248, train_loss: 0.7203, step time: 1.0342
Batch 240/248, train_loss: 0.8276, step time: 1.0344
Batch 241/248, train_loss: 0.9990, step time: 1.0238
Batch 242/248, train_loss: 0.7426, step time: 1.0385
Batch 243/248, train_loss: 0.9979, step time: 1.0448
Batch 244/248, train_loss: 0.8857, step time: 1.0289
Batch 245/248, train_loss: 0.6956, step time: 1.0280
Batch 246/248, train_loss: 0.9586, step time: 1.0366
Batch 247/248, train_loss: 0.6562, step time: 1.0410
Batch 248/248, train_loss: 1.0000, step time: 1.0162

Batch 240/240, El apri_1055, 1.0000, Step time, 1.0402

Labels



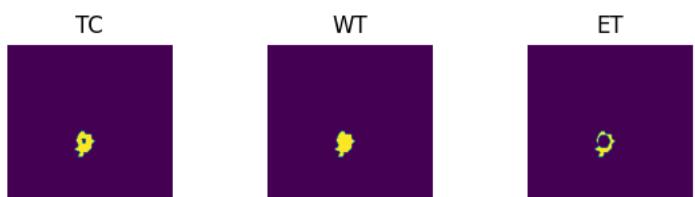
Predictions



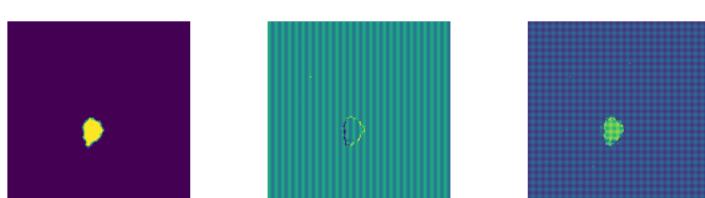
VAL

Batch 1/31, val_loss: 0.9436
Batch 2/31, val_loss: 0.9855
Batch 3/31, val_loss: 0.9920
Batch 4/31, val_loss: 0.9797
Batch 5/31, val_loss: 0.9981
Batch 6/31, val_loss: 0.8324
Batch 7/31, val_loss: 0.9223
Batch 8/31, val_loss: 0.9918
Batch 9/31, val_loss: 0.8443
Batch 10/31, val_loss: 0.9735
Batch 11/31, val_loss: 0.9112
Batch 12/31, val_loss: 0.9913
Batch 13/31, val_loss: 0.9885
Batch 14/31, val_loss: 0.9890
Batch 15/31, val_loss: 0.9984
Batch 16/31, val_loss: 0.9932
Batch 17/31, val_loss: 0.9950
Batch 18/31, val_loss: 0.9772
Batch 19/31, val_loss: 0.8832
Batch 20/31, val_loss: 0.9595
Batch 21/31, val_loss: 0.9813
Batch 22/31, val_loss: 0.9970
Batch 23/31, val_loss: 0.9980
Batch 24/31, val_loss: 0.8579
Batch 25/31, val_loss: 0.9018
Batch 26/31, val_loss: 0.9626
Batch 27/31, val_loss: 0.9986
Batch 28/31, val_loss: 0.8825
Batch 29/31, val_loss: 0.9974
Batch 30/31, val_loss: 0.9961
Batch 31/31, val_loss: 0.9880

Labels



Predictions



epoch 10

average train loss: 0.7955
average validation loss: 0.9584
saved as best model: True
current mean dice: 0.1413
current TC dice: 0.3997

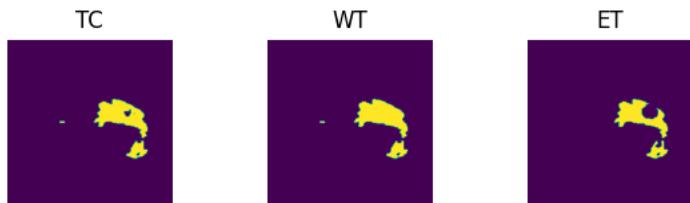
```
current WT dice: 0.0090
current ET dice: 0.0167
Best Mean Metric: 0.1413
time consuming of epoch 10 is: 1615.9223
-----
epoch 11/100
TRAIN
Batch 1/248, train_loss: 0.6684, step time: 1.0277
Batch 2/248, train_loss: 0.9568, step time: 1.0362
Batch 3/248, train_loss: 0.8418, step time: 1.0305
Batch 4/248, train_loss: 0.9956, step time: 1.0319
Batch 5/248, train_loss: 0.7453, step time: 1.0489
Batch 6/248, train_loss: 0.8632, step time: 1.0270
Batch 7/248, train_loss: 0.6621, step time: 1.0337
Batch 8/248, train_loss: 0.9217, step time: 1.0417
Batch 9/248, train_loss: 0.6588, step time: 1.0313
Batch 10/248, train_loss: 0.7619, step time: 1.0524
Batch 11/248, train_loss: 0.7417, step time: 1.0494
Batch 12/248, train_loss: 0.8288, step time: 1.0299
Batch 13/248, train_loss: 0.8821, step time: 1.0445
Batch 14/248, train_loss: 0.6441, step time: 1.0289
Batch 15/248, train_loss: 0.8025, step time: 1.0501
Batch 16/248, train_loss: 0.7251, step time: 1.0379
Batch 17/248, train_loss: 0.7939, step time: 1.0317
Batch 18/248, train_loss: 0.8822, step time: 1.0290
Batch 19/248, train_loss: 0.7142, step time: 1.0278
Batch 20/248, train_loss: 0.7524, step time: 1.0553
Batch 21/248, train_loss: 0.6828, step time: 1.0446
Batch 22/248, train_loss: 1.0000, step time: 1.0393
Batch 23/248, train_loss: 0.9990, step time: 1.0524
Batch 24/248, train_loss: 0.6983, step time: 1.0433
Batch 25/248, train_loss: 0.6542, step time: 1.0550
Batch 26/248, train_loss: 0.8585, step time: 1.0411
Batch 27/248, train_loss: 0.6843, step time: 1.0421
Batch 28/248, train_loss: 0.7345, step time: 1.0275
Batch 29/248, train_loss: 0.8422, step time: 1.0441
Batch 30/248, train_loss: 0.7750, step time: 1.0314
Batch 31/248, train_loss: 0.7903, step time: 1.0391
Batch 32/248, train_loss: 0.7012, step time: 1.0452
Batch 33/248, train_loss: 0.6716, step time: 1.0299
Batch 34/248, train_loss: 0.6662, step time: 1.0282
Batch 35/248, train_loss: 0.6842, step time: 1.0395
Batch 36/248, train_loss: 0.9997, step time: 1.0467
Batch 37/248, train_loss: 0.7451, step time: 1.0285
Batch 38/248, train_loss: 0.7730, step time: 1.0298
Batch 39/248, train_loss: 0.7385, step time: 1.0313
Batch 40/248, train_loss: 0.9998, step time: 1.0444
Batch 41/248, train_loss: 0.7479, step time: 1.0491
Batch 42/248, train_loss: 0.6886, step time: 1.0402
Batch 43/248, train_loss: 0.6716, step time: 1.0394
Batch 44/248, train_loss: 0.7233, step time: 1.0314
Batch 45/248, train_loss: 0.9117, step time: 1.0527
Batch 46/248, train_loss: 0.7250, step time: 1.0492
Batch 47/248, train_loss: 0.6941, step time: 1.0449
Batch 48/248, train_loss: 0.7989, step time: 1.0529
Batch 49/248, train_loss: 0.8430, step time: 1.0396
Batch 50/248, train_loss: 0.7211, step time: 1.0218
Batch 51/248, train_loss: 0.7448, step time: 1.0262
Batch 52/248, train_loss: 0.7099, step time: 1.0364
Batch 53/248, train_loss: 0.8366, step time: 1.0459
Batch 54/248, train_loss: 0.7634, step time: 1.0272
Batch 55/248, train_loss: 0.8469, step time: 1.0477
Batch 56/248, train_loss: 0.7539, step time: 1.0387
Batch 57/248, train_loss: 0.7729, step time: 1.0240
Batch 58/248, train_loss: 0.6951, step time: 1.0393
Batch 59/248, train_loss: 0.6959, step time: 1.0429
Batch 60/248, train_loss: 0.6751, step time: 1.0482
Batch 61/248, train_loss: 0.6982, step time: 1.0316
Batch 62/248, train_loss: 0.7881, step time: 1.0318
Batch 63/248, train_loss: 0.9973, step time: 1.0318
Batch 64/248, train_loss: 0.9018, step time: 1.0563
Batch 65/248, train_loss: 0.7631, step time: 1.0395
Batch 66/248, train_loss: 0.7647, step time: 1.0420
Batch 67/248, train_loss: 0.6768, step time: 1.0533
Batch 68/248, train_loss: 0.7015, step time: 1.0358
Batch 69/248, train_loss: 0.9990, step time: 1.0405
Batch 70/248, train_loss: 0.7160, step time: 1.0227
Batch 71/248, train_loss: 0.7123, step time: 1.0252
Batch 72/248, train_loss: 0.6753, step time: 1.0243
Batch 73/248, train_loss: 0.7537, step time: 1.0427
Batch 74/248, train_loss: 1.0000, step time: 1.0301
Batch 75/248, train_loss: 0.7070, step time: 1.0294
Batch 76/248, train_loss: 0.8646, step time: 1.0283
Batch 77/248, train_loss: 0.9991, step time: 1.0269
Batch 78/248, train_loss: 0.7126, step time: 1.0340
```

-- -- -- -- --
Batch 79/248, train_loss: 0.7551, step time: 1.0443
Batch 80/248, train_loss: 0.7489, step time: 1.0408
Batch 81/248, train_loss: 0.7428, step time: 1.0357
Batch 82/248, train_loss: 0.6882, step time: 1.0304
Batch 83/248, train_loss: 0.9423, step time: 1.0474
Batch 84/248, train_loss: 0.7512, step time: 1.0422
Batch 85/248, train_loss: 0.8024, step time: 1.0242
Batch 86/248, train_loss: 0.8004, step time: 1.0283
Batch 87/248, train_loss: 0.8399, step time: 1.0518
Batch 88/248, train_loss: 0.8351, step time: 1.0235
Batch 89/248, train_loss: 0.6579, step time: 1.0285
Batch 90/248, train_loss: 0.9093, step time: 1.0289
Batch 91/248, train_loss: 0.9183, step time: 1.0282
Batch 92/248, train_loss: 0.8870, step time: 1.0406
Batch 93/248, train_loss: 0.7172, step time: 1.0260
Batch 94/248, train_loss: 0.8494, step time: 1.0324
Batch 95/248, train_loss: 0.7285, step time: 1.0367
Batch 96/248, train_loss: 0.7265, step time: 1.0391
Batch 97/248, train_loss: 0.9998, step time: 1.0256
Batch 98/248, train_loss: 0.6842, step time: 1.0557
Batch 99/248, train_loss: 0.8031, step time: 1.0541
Batch 100/248, train_loss: 0.7763, step time: 1.0451
Batch 101/248, train_loss: 0.6429, step time: 1.0273
Batch 102/248, train_loss: 0.7088, step time: 1.0535
Batch 103/248, train_loss: 0.9478, step time: 1.0428
Batch 104/248, train_loss: 0.7546, step time: 1.0282
Batch 105/248, train_loss: 0.6800, step time: 1.0314
Batch 106/248, train_loss: 0.7109, step time: 1.0424
Batch 107/248, train_loss: 0.9305, step time: 1.0251
Batch 108/248, train_loss: 0.8586, step time: 1.0507
Batch 109/248, train_loss: 0.9889, step time: 1.0299
Batch 110/248, train_loss: 0.9994, step time: 1.0450
Batch 111/248, train_loss: 0.7265, step time: 1.0289
Batch 112/248, train_loss: 0.6970, step time: 1.0551
Batch 113/248, train_loss: 0.9993, step time: 1.0522
Batch 114/248, train_loss: 0.7011, step time: 1.0388
Batch 115/248, train_loss: 0.7671, step time: 1.0370
Batch 116/248, train_loss: 0.6938, step time: 1.0459
Batch 117/248, train_loss: 0.9982, step time: 1.0328
Batch 118/248, train_loss: 0.9567, step time: 1.0381
Batch 119/248, train_loss: 0.8348, step time: 1.0392
Batch 120/248, train_loss: 0.7839, step time: 1.0277
Batch 121/248, train_loss: 0.7652, step time: 1.0295
Batch 122/248, train_loss: 0.8354, step time: 1.0469
Batch 123/248, train_loss: 0.6869, step time: 1.0259
Batch 124/248, train_loss: 0.8210, step time: 1.0448
Batch 125/248, train_loss: 0.9642, step time: 1.0260
Batch 126/248, train_loss: 0.7585, step time: 1.0408
Batch 127/248, train_loss: 0.7034, step time: 1.0553
Batch 128/248, train_loss: 0.8942, step time: 1.0596
Batch 129/248, train_loss: 0.6757, step time: 1.0498
Batch 130/248, train_loss: 0.6912, step time: 1.0358
Batch 131/248, train_loss: 0.8931, step time: 1.0282
Batch 132/248, train_loss: 0.7947, step time: 1.0404
Batch 133/248, train_loss: 0.6751, step time: 1.0362
Batch 134/248, train_loss: 0.9991, step time: 1.0484
Batch 135/248, train_loss: 0.9140, step time: 1.0524
Batch 136/248, train_loss: 0.7304, step time: 1.0404
Batch 137/248, train_loss: 0.6909, step time: 1.0487
Batch 138/248, train_loss: 0.6730, step time: 1.0336
Batch 139/248, train_loss: 0.7376, step time: 1.0506
Batch 140/248, train_loss: 0.7421, step time: 1.0574
Batch 141/248, train_loss: 0.7344, step time: 1.0475
Batch 142/248, train_loss: 0.9670, step time: 1.0404
Batch 143/248, train_loss: 0.7672, step time: 1.0377
Batch 144/248, train_loss: 0.7007, step time: 1.0300
Batch 145/248, train_loss: 0.6460, step time: 1.0332
Batch 146/248, train_loss: 0.9989, step time: 1.0286
Batch 147/248, train_loss: 0.6354, step time: 1.0433
Batch 148/248, train_loss: 0.9805, step time: 1.0237
Batch 149/248, train_loss: 0.7158, step time: 1.0275
Batch 150/248, train_loss: 0.8767, step time: 1.0286
Batch 151/248, train_loss: 0.8336, step time: 1.0508
Batch 152/248, train_loss: 0.6370, step time: 1.0340
Batch 153/248, train_loss: 0.7851, step time: 1.0319
Batch 154/248, train_loss: 0.9477, step time: 1.0429
Batch 155/248, train_loss: 0.7224, step time: 1.0461
Batch 156/248, train_loss: 0.7505, step time: 1.0278
Batch 157/248, train_loss: 0.7930, step time: 1.0286
Batch 158/248, train_loss: 0.9993, step time: 1.0244
Batch 159/248, train_loss: 0.9549, step time: 1.0475
Batch 160/248, train_loss: 0.6919, step time: 1.0345
Batch 161/248, train_loss: 0.7048, step time: 1.0504
Batch 162/248, train_loss: 0.6489, step time: 1.0529
Batch 163/248, train_loss: 0.7705, step time: 1.0520

Batch 105/248, train_loss: 0.7446, step time: 1.0397
Batch 164/248, train_loss: 0.9972, step time: 1.0389
Batch 166/248, train_loss: 0.7073, step time: 1.0411
Batch 167/248, train_loss: 0.7363, step time: 1.0502
Batch 168/248, train_loss: 0.7339, step time: 1.0333
Batch 169/248, train_loss: 0.6875, step time: 1.0254
Batch 170/248, train_loss: 0.9350, step time: 1.0351
Batch 171/248, train_loss: 0.6739, step time: 1.0383
Batch 172/248, train_loss: 0.9929, step time: 1.0372
Batch 173/248, train_loss: 0.6847, step time: 1.0451
Batch 174/248, train_loss: 0.9983, step time: 1.0487
Batch 175/248, train_loss: 0.7102, step time: 1.0437
Batch 176/248, train_loss: 0.8050, step time: 1.0525
Batch 177/248, train_loss: 0.7998, step time: 1.0314
Batch 178/248, train_loss: 0.7715, step time: 1.0520
Batch 179/248, train_loss: 0.6459, step time: 1.0545
Batch 180/248, train_loss: 0.8105, step time: 1.0281
Batch 181/248, train_loss: 0.6880, step time: 1.0445
Batch 182/248, train_loss: 0.9884, step time: 1.0410
Batch 183/248, train_loss: 0.7074, step time: 1.0391
Batch 184/248, train_loss: 0.8432, step time: 1.0323
Batch 185/248, train_loss: 0.7116, step time: 1.0290
Batch 186/248, train_loss: 0.7059, step time: 1.0553
Batch 187/248, train_loss: 0.7262, step time: 1.0289
Batch 188/248, train_loss: 0.7402, step time: 1.0569
Batch 189/248, train_loss: 0.9923, step time: 1.0437
Batch 190/248, train_loss: 0.7136, step time: 1.0486
Batch 191/248, train_loss: 0.8684, step time: 1.0451
Batch 192/248, train_loss: 0.7455, step time: 1.0394
Batch 193/248, train_loss: 0.7788, step time: 1.0600
Batch 194/248, train_loss: 0.7031, step time: 1.0362
Batch 195/248, train_loss: 0.9978, step time: 1.0553
Batch 196/248, train_loss: 1.0000, step time: 1.0207
Batch 197/248, train_loss: 0.7549, step time: 1.0488
Batch 198/248, train_loss: 1.0000, step time: 1.0402
Batch 199/248, train_loss: 0.7228, step time: 1.0371
Batch 200/248, train_loss: 0.7047, step time: 1.0574
Batch 201/248, train_loss: 0.7099, step time: 1.0336
Batch 202/248, train_loss: 0.8720, step time: 1.0320
Batch 203/248, train_loss: 0.9216, step time: 1.0364
Batch 204/248, train_loss: 0.6795, step time: 1.0501
Batch 205/248, train_loss: 0.7797, step time: 1.0537
Batch 206/248, train_loss: 0.9546, step time: 1.0373
Batch 207/248, train_loss: 0.6810, step time: 1.0396
Batch 208/248, train_loss: 0.7392, step time: 1.0582
Batch 209/248, train_loss: 0.7102, step time: 1.0409
Batch 210/248, train_loss: 0.6769, step time: 1.0378
Batch 211/248, train_loss: 0.6813, step time: 1.0315
Batch 212/248, train_loss: 0.7614, step time: 1.0277
Batch 213/248, train_loss: 0.7201, step time: 1.0300
Batch 214/248, train_loss: 0.6925, step time: 1.0244
Batch 215/248, train_loss: 0.7987, step time: 1.0271
Batch 216/248, train_loss: 0.7518, step time: 1.0506
Batch 217/248, train_loss: 0.8913, step time: 1.0348
Batch 218/248, train_loss: 0.9979, step time: 1.0488
Batch 219/248, train_loss: 0.7018, step time: 1.0334
Batch 220/248, train_loss: 0.7789, step time: 1.0286
Batch 221/248, train_loss: 0.7778, step time: 1.0550
Batch 222/248, train_loss: 0.7659, step time: 1.0552
Batch 223/248, train_loss: 0.6586, step time: 1.0264
Batch 224/248, train_loss: 0.7023, step time: 1.0270
Batch 225/248, train_loss: 0.9755, step time: 1.0409
Batch 226/248, train_loss: 0.9557, step time: 1.0516
Batch 227/248, train_loss: 0.7007, step time: 1.0297
Batch 228/248, train_loss: 0.8699, step time: 1.0542
Batch 229/248, train_loss: 0.6847, step time: 1.0477
Batch 230/248, train_loss: 0.7428, step time: 1.0350
Batch 231/248, train_loss: 0.9976, step time: 1.0304
Batch 232/248, train_loss: 0.6846, step time: 1.0521
Batch 233/248, train_loss: 0.9999, step time: 1.0503
Batch 234/248, train_loss: 0.9675, step time: 1.0490
Batch 235/248, train_loss: 0.9562, step time: 1.0483
Batch 236/248, train_loss: 0.9995, step time: 1.0508
Batch 237/248, train_loss: 0.7078, step time: 1.0550
Batch 238/248, train_loss: 0.6909, step time: 1.0410
Batch 239/248, train_loss: 0.6304, step time: 1.0466
Batch 240/248, train_loss: 0.8522, step time: 1.0431
Batch 241/248, train_loss: 0.9981, step time: 1.0308
Batch 242/248, train_loss: 0.7307, step time: 1.0340
Batch 243/248, train_loss: 0.9999, step time: 1.0496
Batch 244/248, train_loss: 0.8589, step time: 1.0355
Batch 245/248, train_loss: 0.6830, step time: 1.0475
Batch 246/248, train_loss: 0.9029, step time: 1.0356
Batch 247/248, train_loss: 0.6551, step time: 1.0572

Batch 248/248, train_loss: 1.0000, step time: 1.0285

Labels



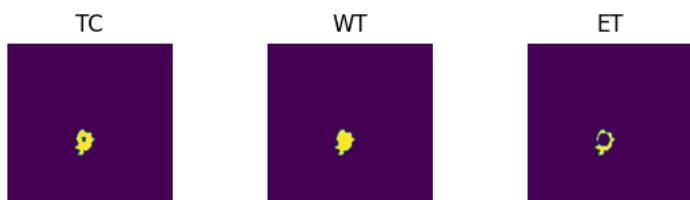
Predictions



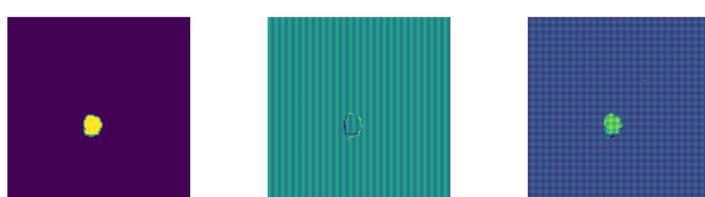
VAL

Batch 1/31, val_loss: 0.9476
Batch 2/31, val_loss: 0.9824
Batch 3/31, val_loss: 0.9977
Batch 4/31, val_loss: 0.9813
Batch 5/31, val_loss: 0.9983
Batch 6/31, val_loss: 0.8317
Batch 7/31, val_loss: 0.9167
Batch 8/31, val_loss: 0.9887
Batch 9/31, val_loss: 0.8388
Batch 10/31, val_loss: 0.9709
Batch 11/31, val_loss: 0.9108
Batch 12/31, val_loss: 0.9946
Batch 13/31, val_loss: 0.9887
Batch 14/31, val_loss: 0.9933
Batch 15/31, val_loss: 0.9989
Batch 16/31, val_loss: 0.9924
Batch 17/31, val_loss: 0.9959
Batch 18/31, val_loss: 0.9791
Batch 19/31, val_loss: 0.8830
Batch 20/31, val_loss: 0.9563
Batch 21/31, val_loss: 0.9581
Batch 22/31, val_loss: 0.9959
Batch 23/31, val_loss: 0.9976
Batch 24/31, val_loss: 0.8451
Batch 25/31, val_loss: 0.8954
Batch 26/31, val_loss: 0.9663
Batch 27/31, val_loss: 0.9988
Batch 28/31, val_loss: 0.8829
Batch 29/31, val_loss: 0.9964
Batch 30/31, val_loss: 0.9964
Batch 31/31, val_loss: 0.9879

Labels



Predictions



epoch 11

average train loss: 0.7943
average validation loss: 0.9570
saved as best model: True
current mean dice: 0.1430
current TC dice: 0.4043

current WT dice: 0.0091
current ET dice: 0.0170
Best Mean Metric: 0.1430
time consuming of epoch 11 is: 1625.7192

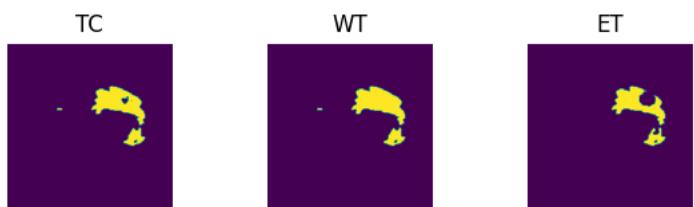
epoch 12/100
TRAIN
Batch 1/248, train_loss: 0.6653, step time: 1.0415
Batch 2/248, train_loss: 0.9466, step time: 1.0554
Batch 3/248, train_loss: 0.7989, step time: 1.0364
Batch 4/248, train_loss: 0.9991, step time: 1.0377
Batch 5/248, train_loss: 0.7510, step time: 1.0420
Batch 6/248, train_loss: 0.8904, step time: 1.0341
Batch 7/248, train_loss: 0.6529, step time: 1.0331
Batch 8/248, train_loss: 0.9197, step time: 1.0347
Batch 9/248, train_loss: 0.6557, step time: 1.0303
Batch 10/248, train_loss: 0.7578, step time: 1.0403
Batch 11/248, train_loss: 0.7370, step time: 1.0448
Batch 12/248, train_loss: 0.8240, step time: 1.0302
Batch 13/248, train_loss: 0.8361, step time: 1.0332
Batch 14/248, train_loss: 0.6390, step time: 1.0405
Batch 15/248, train_loss: 0.8020, step time: 1.0416
Batch 16/248, train_loss: 0.7165, step time: 1.0290
Batch 17/248, train_loss: 0.8848, step time: 1.0374
Batch 18/248, train_loss: 0.8975, step time: 1.0389
Batch 19/248, train_loss: 0.6907, step time: 1.0381
Batch 20/248, train_loss: 0.7860, step time: 1.0339
Batch 21/248, train_loss: 0.6859, step time: 1.0515
Batch 22/248, train_loss: 1.0000, step time: 1.0313
Batch 23/248, train_loss: 0.9992, step time: 1.0548
Batch 24/248, train_loss: 0.6928, step time: 1.0308
Batch 25/248, train_loss: 0.6505, step time: 1.0441
Batch 26/248, train_loss: 0.8685, step time: 1.0460
Batch 27/248, train_loss: 0.6701, step time: 1.0484
Batch 28/248, train_loss: 0.7368, step time: 1.0431
Batch 29/248, train_loss: 0.8307, step time: 1.0459
Batch 30/248, train_loss: 0.8636, step time: 1.0372
Batch 31/248, train_loss: 0.7864, step time: 1.0424
Batch 32/248, train_loss: 0.6946, step time: 1.0254
Batch 33/248, train_loss: 0.6765, step time: 1.0238
Batch 34/248, train_loss: 0.6674, step time: 1.0407
Batch 35/248, train_loss: 0.6855, step time: 1.0261
Batch 36/248, train_loss: 0.9955, step time: 1.0481
Batch 37/248, train_loss: 0.7384, step time: 1.0335
Batch 38/248, train_loss: 0.7783, step time: 1.0396
Batch 39/248, train_loss: 0.7323, step time: 1.0342
Batch 40/248, train_loss: 0.9999, step time: 1.0368
Batch 41/248, train_loss: 0.7296, step time: 1.0352
Batch 42/248, train_loss: 0.6949, step time: 1.0578
Batch 43/248, train_loss: 0.6687, step time: 1.0447
Batch 44/248, train_loss: 0.7667, step time: 1.0324
Batch 45/248, train_loss: 0.8778, step time: 1.0447
Batch 46/248, train_loss: 0.7297, step time: 1.0497
Batch 47/248, train_loss: 0.6996, step time: 1.0302
Batch 48/248, train_loss: 0.7703, step time: 1.0301
Batch 49/248, train_loss: 0.8659, step time: 1.0407
Batch 50/248, train_loss: 0.7214, step time: 1.0529
Batch 51/248, train_loss: 0.7318, step time: 1.0259
Batch 52/248, train_loss: 0.7122, step time: 1.0413
Batch 53/248, train_loss: 0.8159, step time: 1.0535
Batch 54/248, train_loss: 0.7615, step time: 1.0353
Batch 55/248, train_loss: 0.7918, step time: 1.0371
Batch 56/248, train_loss: 0.7357, step time: 1.0412
Batch 57/248, train_loss: 0.7583, step time: 1.0516
Batch 58/248, train_loss: 0.6924, step time: 1.0461
Batch 59/248, train_loss: 0.6956, step time: 1.0421
Batch 60/248, train_loss: 0.6760, step time: 1.0475
Batch 61/248, train_loss: 0.6925, step time: 1.0464
Batch 62/248, train_loss: 0.7779, step time: 1.0333
Batch 63/248, train_loss: 0.9411, step time: 1.0460
Batch 64/248, train_loss: 0.8746, step time: 1.0367
Batch 65/248, train_loss: 0.7667, step time: 1.0392
Batch 66/248, train_loss: 0.7662, step time: 1.0374
Batch 67/248, train_loss: 0.6738, step time: 1.0495
Batch 68/248, train_loss: 0.6940, step time: 1.0283
Batch 69/248, train_loss: 0.9983, step time: 1.0293
Batch 70/248, train_loss: 0.7117, step time: 1.0312
Batch 71/248, train_loss: 0.7183, step time: 1.0501
Batch 72/248, train_loss: 0.6763, step time: 1.0321
Batch 73/248, train_loss: 0.7359, step time: 1.0514
Batch 74/248, train_loss: 1.0000, step time: 1.0230
Batch 75/248, train_loss: 0.7033, step time: 1.0293
Batch 76/248, train_loss: 0.8966, step time: 1.0420
Batch 77/248, train_loss: 0.9979, step time: 1.0468

Batch 78/248, train_loss: 0.150, step time: 1.0310
Batch 79/248, train_loss: 0.7090, step time: 1.0230
Batch 80/248, train_loss: 0.7483, step time: 1.0521
Batch 81/248, train_loss: 0.7560, step time: 1.0297
Batch 82/248, train_loss: 0.6871, step time: 1.0449
Batch 83/248, train_loss: 0.9535, step time: 1.0311
Batch 84/248, train_loss: 0.7773, step time: 1.0525
Batch 85/248, train_loss: 0.8566, step time: 1.0479
Batch 86/248, train_loss: 0.8376, step time: 1.0302
Batch 87/248, train_loss: 0.8961, step time: 1.0260
Batch 88/248, train_loss: 0.8325, step time: 1.0375
Batch 89/248, train_loss: 0.6596, step time: 1.0428
Batch 90/248, train_loss: 0.8751, step time: 1.0435
Batch 91/248, train_loss: 0.9006, step time: 1.0553
Batch 92/248, train_loss: 0.8553, step time: 1.0329
Batch 93/248, train_loss: 0.7157, step time: 1.0372
Batch 94/248, train_loss: 0.8011, step time: 1.0264
Batch 95/248, train_loss: 0.7216, step time: 1.0431
Batch 96/248, train_loss: 0.7233, step time: 1.0372
Batch 97/248, train_loss: 0.9999, step time: 1.0452
Batch 98/248, train_loss: 0.6932, step time: 1.0267
Batch 99/248, train_loss: 0.8154, step time: 1.0378
Batch 100/248, train_loss: 0.8005, step time: 1.0509
Batch 101/248, train_loss: 0.6530, step time: 1.0374
Batch 102/248, train_loss: 0.7026, step time: 1.0234
Batch 103/248, train_loss: 0.9303, step time: 1.0569
Batch 104/248, train_loss: 0.7496, step time: 1.0273
Batch 105/248, train_loss: 0.6781, step time: 1.0270
Batch 106/248, train_loss: 0.7150, step time: 1.0314
Batch 107/248, train_loss: 0.7735, step time: 1.0498
Batch 108/248, train_loss: 0.8627, step time: 1.0355
Batch 109/248, train_loss: 0.9945, step time: 1.0525
Batch 110/248, train_loss: 0.8621, step time: 1.0514
Batch 111/248, train_loss: 0.7054, step time: 1.0350
Batch 112/248, train_loss: 0.7121, step time: 1.0273
Batch 113/248, train_loss: 0.9995, step time: 1.0214
Batch 114/248, train_loss: 0.7006, step time: 1.0428
Batch 115/248, train_loss: 0.7493, step time: 1.0447
Batch 116/248, train_loss: 0.6852, step time: 1.0535
Batch 117/248, train_loss: 0.9981, step time: 1.0251
Batch 118/248, train_loss: 0.9879, step time: 1.0542
Batch 119/248, train_loss: 0.7620, step time: 1.0366
Batch 120/248, train_loss: 0.7815, step time: 1.0512
Batch 121/248, train_loss: 0.7764, step time: 1.0357
Batch 122/248, train_loss: 0.8326, step time: 1.0250
Batch 123/248, train_loss: 0.6842, step time: 1.0470
Batch 124/248, train_loss: 0.8802, step time: 1.0364
Batch 125/248, train_loss: 0.9249, step time: 1.0549
Batch 126/248, train_loss: 0.7339, step time: 1.0359
Batch 127/248, train_loss: 0.6998, step time: 1.0409
Batch 128/248, train_loss: 0.8283, step time: 1.0493
Batch 129/248, train_loss: 0.6801, step time: 1.0355
Batch 130/248, train_loss: 0.6959, step time: 1.0381
Batch 131/248, train_loss: 0.7967, step time: 1.0435
Batch 132/248, train_loss: 0.8489, step time: 1.0475
Batch 133/248, train_loss: 0.6905, step time: 1.0427
Batch 134/248, train_loss: 0.9915, step time: 1.0367
Batch 135/248, train_loss: 0.7927, step time: 1.0321
Batch 136/248, train_loss: 0.7124, step time: 1.0264
Batch 137/248, train_loss: 0.6886, step time: 1.0353
Batch 138/248, train_loss: 0.6756, step time: 1.0547
Batch 139/248, train_loss: 0.7221, step time: 1.0346
Batch 140/248, train_loss: 0.7484, step time: 1.0508
Batch 141/248, train_loss: 0.7324, step time: 1.0317
Batch 142/248, train_loss: 0.9279, step time: 1.0340
Batch 143/248, train_loss: 0.7603, step time: 1.0527
Batch 144/248, train_loss: 0.7041, step time: 1.0426
Batch 145/248, train_loss: 0.6407, step time: 1.0505
Batch 146/248, train_loss: 0.9990, step time: 1.0360
Batch 147/248, train_loss: 0.6310, step time: 1.0372
Batch 148/248, train_loss: 0.9771, step time: 1.0275
Batch 149/248, train_loss: 0.7179, step time: 1.0451
Batch 150/248, train_loss: 0.8733, step time: 1.0490
Batch 151/248, train_loss: 0.9409, step time: 1.0234
Batch 152/248, train_loss: 0.6340, step time: 1.0431
Batch 153/248, train_loss: 0.8257, step time: 1.0504
Batch 154/248, train_loss: 0.9376, step time: 1.0350
Batch 155/248, train_loss: 0.7315, step time: 1.0378
Batch 156/248, train_loss: 0.7318, step time: 1.0455
Batch 157/248, train_loss: 0.7969, step time: 1.0337
Batch 158/248, train_loss: 0.9990, step time: 1.0282
Batch 159/248, train_loss: 0.9066, step time: 1.0343
Batch 160/248, train_loss: 0.6913, step time: 1.0421
Batch 161/248, train_loss: 0.6933, step time: 1.0464
Batch 162/248, train_loss: 0.6586, step time: 1.0329

Batch 163/248, train_loss: 0.7485, step time: 1.0387
Batch 164/248, train_loss: 0.7520, step time: 1.0416
Batch 165/248, train_loss: 0.9970, step time: 1.0352
Batch 166/248, train_loss: 0.7183, step time: 1.0348
Batch 167/248, train_loss: 0.7284, step time: 1.0503
Batch 168/248, train_loss: 0.7297, step time: 1.0467
Batch 169/248, train_loss: 0.6872, step time: 1.0296
Batch 170/248, train_loss: 0.9486, step time: 1.0258
Batch 171/248, train_loss: 0.6713, step time: 1.0401
Batch 172/248, train_loss: 0.9800, step time: 1.0303
Batch 173/248, train_loss: 0.6820, step time: 1.0351
Batch 174/248, train_loss: 0.9999, step time: 1.0295
Batch 175/248, train_loss: 0.7285, step time: 1.0282
Batch 176/248, train_loss: 0.8099, step time: 1.0472
Batch 177/248, train_loss: 0.7958, step time: 1.0527
Batch 178/248, train_loss: 0.8051, step time: 1.0487
Batch 179/248, train_loss: 0.6483, step time: 1.0473
Batch 180/248, train_loss: 0.8006, step time: 1.0577
Batch 181/248, train_loss: 0.6844, step time: 1.0318
Batch 182/248, train_loss: 0.9729, step time: 1.0310
Batch 183/248, train_loss: 0.6900, step time: 1.0468
Batch 184/248, train_loss: 0.8599, step time: 1.0445
Batch 185/248, train_loss: 0.7132, step time: 1.0238
Batch 186/248, train_loss: 0.7086, step time: 1.0373
Batch 187/248, train_loss: 0.7381, step time: 1.0298
Batch 188/248, train_loss: 0.7431, step time: 1.0400
Batch 189/248, train_loss: 0.9879, step time: 1.0532
Batch 190/248, train_loss: 0.7159, step time: 1.0307
Batch 191/248, train_loss: 0.8766, step time: 1.0391
Batch 192/248, train_loss: 0.7469, step time: 1.0247
Batch 193/248, train_loss: 0.7952, step time: 1.0493
Batch 194/248, train_loss: 0.7014, step time: 1.0483
Batch 195/248, train_loss: 0.9972, step time: 1.0471
Batch 196/248, train_loss: 1.0000, step time: 1.0484
Batch 197/248, train_loss: 0.7558, step time: 1.0453
Batch 198/248, train_loss: 1.0000, step time: 1.0343
Batch 199/248, train_loss: 0.7422, step time: 1.0454
Batch 200/248, train_loss: 0.7150, step time: 1.0247
Batch 201/248, train_loss: 0.7060, step time: 1.0272
Batch 202/248, train_loss: 0.8366, step time: 1.0324
Batch 203/248, train_loss: 0.9016, step time: 1.0608
Batch 204/248, train_loss: 0.6765, step time: 1.0547
Batch 205/248, train_loss: 0.7759, step time: 1.0371
Batch 206/248, train_loss: 0.9757, step time: 1.0337
Batch 207/248, train_loss: 0.6868, step time: 1.0444
Batch 208/248, train_loss: 0.7321, step time: 1.0375
Batch 209/248, train_loss: 0.7109, step time: 1.0232
Batch 210/248, train_loss: 0.6768, step time: 1.0241
Batch 211/248, train_loss: 0.6802, step time: 1.0385
Batch 212/248, train_loss: 0.7718, step time: 1.0362
Batch 213/248, train_loss: 0.7118, step time: 1.0296
Batch 214/248, train_loss: 0.6905, step time: 1.0387
Batch 215/248, train_loss: 0.8095, step time: 1.0380
Batch 216/248, train_loss: 0.7507, step time: 1.0540
Batch 217/248, train_loss: 0.7806, step time: 1.0517
Batch 218/248, train_loss: 0.9975, step time: 1.0391
Batch 219/248, train_loss: 0.6959, step time: 1.0536
Batch 220/248, train_loss: 0.7903, step time: 1.0292
Batch 221/248, train_loss: 0.7870, step time: 1.0433
Batch 222/248, train_loss: 0.7504, step time: 1.0303
Batch 223/248, train_loss: 0.6593, step time: 1.0358
Batch 224/248, train_loss: 0.6870, step time: 1.0536
Batch 225/248, train_loss: 0.7836, step time: 1.0416
Batch 226/248, train_loss: 0.7942, step time: 1.0339
Batch 227/248, train_loss: 0.6856, step time: 1.0381
Batch 228/248, train_loss: 0.7370, step time: 1.0356
Batch 229/248, train_loss: 0.6832, step time: 1.0332
Batch 230/248, train_loss: 0.7020, step time: 1.0481
Batch 231/248, train_loss: 0.9997, step time: 1.0522
Batch 232/248, train_loss: 0.6879, step time: 1.0578
Batch 233/248, train_loss: 0.9999, step time: 1.0442
Batch 234/248, train_loss: 0.8884, step time: 1.0535
Batch 235/248, train_loss: 0.9455, step time: 1.0539
Batch 236/248, train_loss: 0.9995, step time: 1.0437
Batch 237/248, train_loss: 0.7227, step time: 1.0261
Batch 238/248, train_loss: 0.6962, step time: 1.0364
Batch 239/248, train_loss: 0.7040, step time: 1.0370
Batch 240/248, train_loss: 0.8847, step time: 1.0347
Batch 241/248, train_loss: 0.9983, step time: 1.0443
Batch 242/248, train_loss: 0.7300, step time: 1.0284
Batch 243/248, train_loss: 0.9996, step time: 1.0279
Batch 244/248, train_loss: 0.9209, step time: 1.0419
Batch 245/248, train_loss: 0.6967, step time: 1.0395
Batch 246/248, train_loss: 0.9403, step time: 1.0316
Batch 247/248, train_loss: 0.6874, step time: 1.0404

Batch 248/248, train_loss: 1.0000, step time: 1.0362

Labels



Predictions



VAL

Batch 1/31, val_loss: 0.9401

Batch 2/31, val_loss: 0.9786

Batch 3/31, val_loss: 0.9915

Batch 4/31, val_loss: 0.9789

Batch 5/31, val_loss: 0.9974

Batch 6/31, val_loss: 0.8411

Batch 7/31, val_loss: 0.9198

Batch 8/31, val_loss: 0.9925

Batch 9/31, val_loss: 0.8500

Batch 10/31, val_loss: 0.9718

Batch 11/31, val_loss: 0.9093

Batch 12/31, val_loss: 0.9925

Batch 13/31, val_loss: 0.9863

Batch 14/31, val_loss: 0.9886

Batch 15/31, val_loss: 0.9976

Batch 16/31, val_loss: 0.9847

Batch 17/31, val_loss: 0.9936

Batch 18/31, val_loss: 0.9774

Batch 19/31, val_loss: 0.8791

Batch 20/31, val_loss: 0.9585

Batch 21/31, val_loss: 0.9814

Batch 22/31, val_loss: 0.9949

Batch 23/31, val_loss: 0.9983

Batch 24/31, val_loss: 0.8502

Batch 25/31, val_loss: 0.8964

Batch 26/31, val_loss: 0.9617

Batch 27/31, val_loss: 0.9980

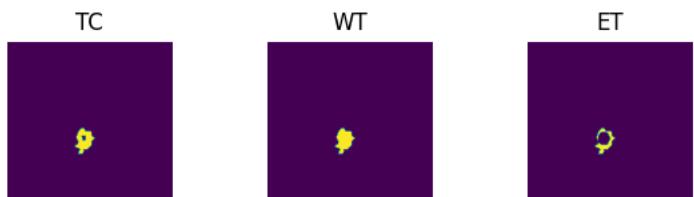
Batch 28/31, val_loss: 0.8805

Batch 29/31, val_loss: 0.9921

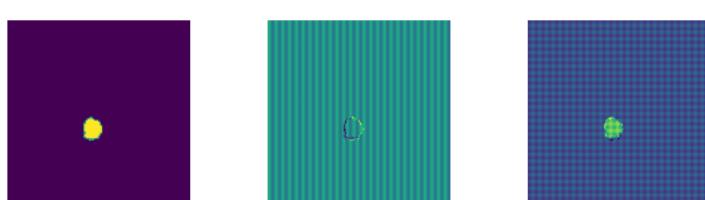
Batch 30/31, val_loss: 0.9971

Batch 31/31, val_loss: 0.9870

Labels



Predictions



epoch 12

average train loss: 0.7898

average validation loss: 0.9570

saved as best model: True

current mean dice: 0.1565

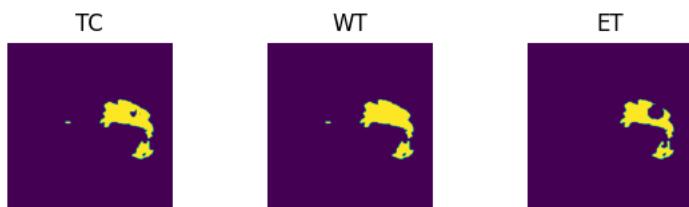
```
current TC dice: 0.4452
current WT dice: 0.0088
current ET dice: 0.0161
Best Mean Metric: 0.1565
time consuming of epoch 12 is: 1632.8364
-----
epoch 13/100
TRAIN
Batch 1/248, train_loss: 0.6698, step time: 1.0362
Batch 2/248, train_loss: 0.9288, step time: 1.0407
Batch 3/248, train_loss: 0.8113, step time: 1.0469
Batch 4/248, train_loss: 0.9990, step time: 1.0284
Batch 5/248, train_loss: 0.7767, step time: 1.0302
Batch 6/248, train_loss: 0.7812, step time: 1.0338
Batch 7/248, train_loss: 0.6555, step time: 1.0471
Batch 8/248, train_loss: 0.9201, step time: 1.0488
Batch 9/248, train_loss: 0.6586, step time: 1.0384
Batch 10/248, train_loss: 0.7693, step time: 1.0576
Batch 11/248, train_loss: 0.7225, step time: 1.0388
Batch 12/248, train_loss: 0.8080, step time: 1.0368
Batch 13/248, train_loss: 0.8016, step time: 1.0545
Batch 14/248, train_loss: 0.6368, step time: 1.0452
Batch 15/248, train_loss: 0.8158, step time: 1.0339
Batch 16/248, train_loss: 0.7162, step time: 1.0492
Batch 17/248, train_loss: 0.7486, step time: 1.0408
Batch 18/248, train_loss: 0.7859, step time: 1.0497
Batch 19/248, train_loss: 0.6985, step time: 1.0419
Batch 20/248, train_loss: 0.7535, step time: 1.0429
Batch 21/248, train_loss: 0.6880, step time: 1.0489
Batch 22/248, train_loss: 0.9998, step time: 1.0308
Batch 23/248, train_loss: 0.9985, step time: 1.0432
Batch 24/248, train_loss: 0.6932, step time: 1.0386
Batch 25/248, train_loss: 0.6501, step time: 1.0294
Batch 26/248, train_loss: 0.8637, step time: 1.0339
Batch 27/248, train_loss: 0.6678, step time: 1.0372
Batch 28/248, train_loss: 0.7325, step time: 1.0534
Batch 29/248, train_loss: 0.8260, step time: 1.0344
Batch 30/248, train_loss: 0.8841, step time: 1.0449
Batch 31/248, train_loss: 0.8356, step time: 1.0442
Batch 32/248, train_loss: 0.6924, step time: 1.0422
Batch 33/248, train_loss: 0.6713, step time: 1.0372
Batch 34/248, train_loss: 0.6640, step time: 1.0415
Batch 35/248, train_loss: 0.6841, step time: 1.0253
Batch 36/248, train_loss: 0.9987, step time: 1.0306
Batch 37/248, train_loss: 0.7373, step time: 1.0526
Batch 38/248, train_loss: 0.7735, step time: 1.0382
Batch 39/248, train_loss: 0.7307, step time: 1.0438
Batch 40/248, train_loss: 0.9998, step time: 1.0266
Batch 41/248, train_loss: 0.7361, step time: 1.0306
Batch 42/248, train_loss: 0.6899, step time: 1.0473
Batch 43/248, train_loss: 0.6665, step time: 1.0555
Batch 44/248, train_loss: 0.8308, step time: 1.0445
Batch 45/248, train_loss: 0.8753, step time: 1.0347
Batch 46/248, train_loss: 0.7434, step time: 1.0345
Batch 47/248, train_loss: 0.6916, step time: 1.0553
Batch 48/248, train_loss: 0.7582, step time: 1.0260
Batch 49/248, train_loss: 0.8391, step time: 1.0503
Batch 50/248, train_loss: 0.7190, step time: 1.0514
Batch 51/248, train_loss: 0.7356, step time: 1.0459
Batch 52/248, train_loss: 0.7101, step time: 1.0431
Batch 53/248, train_loss: 0.8217, step time: 1.0538
Batch 54/248, train_loss: 0.7549, step time: 1.0525
Batch 55/248, train_loss: 0.7646, step time: 1.0346
Batch 56/248, train_loss: 0.7327, step time: 1.0353
Batch 57/248, train_loss: 0.7554, step time: 1.0521
Batch 58/248, train_loss: 0.6910, step time: 1.0426
Batch 59/248, train_loss: 0.6913, step time: 1.0491
Batch 60/248, train_loss: 0.6759, step time: 1.0363
Batch 61/248, train_loss: 0.6958, step time: 1.0367
Batch 62/248, train_loss: 0.7844, step time: 1.0423
Batch 63/248, train_loss: 0.9195, step time: 1.0354
Batch 64/248, train_loss: 0.8673, step time: 1.0285
Batch 65/248, train_loss: 0.8403, step time: 1.0298
Batch 66/248, train_loss: 0.7431, step time: 1.0344
Batch 67/248, train_loss: 0.6683, step time: 1.0224
Batch 68/248, train_loss: 0.6990, step time: 1.0234
Batch 69/248, train_loss: 0.9821, step time: 1.0305
Batch 70/248, train_loss: 0.7137, step time: 1.0544
Batch 71/248, train_loss: 0.7193, step time: 1.0531
Batch 72/248, train_loss: 0.6765, step time: 1.0460
Batch 73/248, train_loss: 0.9071, step time: 1.0392
Batch 74/248, train_loss: 0.9999, step time: 1.0386
Batch 75/248, train_loss: 0.7016, step time: 1.0255
Batch 76/248, train_loss: 0.9384, step time: 1.0532
Batch 77/248, train_loss: 0.9998, step time: 1.0255
```

Batch 78/248, train_loss: 0.7192, step time: 1.0429
Batch 79/248, train_loss: 0.7332, step time: 1.0551
Batch 80/248, train_loss: 0.7556, step time: 1.0464
Batch 81/248, train_loss: 0.8115, step time: 1.0369
Batch 82/248, train_loss: 0.6871, step time: 1.0514
Batch 83/248, train_loss: 0.9585, step time: 1.0300
Batch 84/248, train_loss: 0.7665, step time: 1.0333
Batch 85/248, train_loss: 0.8403, step time: 1.0364
Batch 86/248, train_loss: 0.8382, step time: 1.0245
Batch 87/248, train_loss: 0.8061, step time: 1.0260
Batch 88/248, train_loss: 0.8238, step time: 1.0401
Batch 89/248, train_loss: 0.6599, step time: 1.0405
Batch 90/248, train_loss: 0.9102, step time: 1.0402
Batch 91/248, train_loss: 0.8304, step time: 1.0287
Batch 92/248, train_loss: 0.8933, step time: 1.0573
Batch 93/248, train_loss: 0.7122, step time: 1.0477
Batch 94/248, train_loss: 0.7326, step time: 1.0435
Batch 95/248, train_loss: 0.7200, step time: 1.0270
Batch 96/248, train_loss: 0.7303, step time: 1.0508
Batch 97/248, train_loss: 0.9983, step time: 1.0319
Batch 98/248, train_loss: 0.6930, step time: 1.0554
Batch 99/248, train_loss: 0.8360, step time: 1.0415
Batch 100/248, train_loss: 0.7902, step time: 1.0464
Batch 101/248, train_loss: 0.6454, step time: 1.0507
Batch 102/248, train_loss: 0.7122, step time: 1.0513
Batch 103/248, train_loss: 0.9602, step time: 1.0522
Batch 104/248, train_loss: 0.7556, step time: 1.0460
Batch 105/248, train_loss: 0.6828, step time: 1.0309
Batch 106/248, train_loss: 0.7100, step time: 1.0310
Batch 107/248, train_loss: 0.9009, step time: 1.0408
Batch 108/248, train_loss: 0.8491, step time: 1.0330
Batch 109/248, train_loss: 0.9895, step time: 1.0552
Batch 110/248, train_loss: 0.9994, step time: 1.0337
Batch 111/248, train_loss: 0.7027, step time: 1.0506
Batch 112/248, train_loss: 0.7002, step time: 1.0322
Batch 113/248, train_loss: 0.9808, step time: 1.0389
Batch 114/248, train_loss: 0.6997, step time: 1.0367
Batch 115/248, train_loss: 0.7607, step time: 1.0531
Batch 116/248, train_loss: 0.6905, step time: 1.0252
Batch 117/248, train_loss: 0.9984, step time: 1.0217
Batch 118/248, train_loss: 0.7453, step time: 1.0358
Batch 119/248, train_loss: 0.7586, step time: 1.0297
Batch 120/248, train_loss: 0.7777, step time: 1.0323
Batch 121/248, train_loss: 0.8001, step time: 1.0495
Batch 122/248, train_loss: 0.8390, step time: 1.0397
Batch 123/248, train_loss: 0.6947, step time: 1.0353
Batch 124/248, train_loss: 0.7629, step time: 1.0454
Batch 125/248, train_loss: 0.9260, step time: 1.0329
Batch 126/248, train_loss: 0.7628, step time: 1.0371
Batch 127/248, train_loss: 0.7027, step time: 1.0395
Batch 128/248, train_loss: 0.8477, step time: 1.0476
Batch 129/248, train_loss: 0.6763, step time: 1.0291
Batch 130/248, train_loss: 0.6906, step time: 1.0463
Batch 131/248, train_loss: 0.8229, step time: 1.0445
Batch 132/248, train_loss: 0.7354, step time: 1.0480
Batch 133/248, train_loss: 0.7010, step time: 1.0455
Batch 134/248, train_loss: 0.9983, step time: 1.0308
Batch 135/248, train_loss: 0.7539, step time: 1.0473
Batch 136/248, train_loss: 0.7178, step time: 1.0487
Batch 137/248, train_loss: 0.6990, step time: 1.0534
Batch 138/248, train_loss: 0.6776, step time: 1.0308
Batch 139/248, train_loss: 0.7079, step time: 1.0379
Batch 140/248, train_loss: 0.7636, step time: 1.0281
Batch 141/248, train_loss: 0.7265, step time: 1.0534
Batch 142/248, train_loss: 0.9761, step time: 1.0379
Batch 143/248, train_loss: 0.7745, step time: 1.0430
Batch 144/248, train_loss: 0.7031, step time: 1.0489
Batch 145/248, train_loss: 0.6438, step time: 1.0447
Batch 146/248, train_loss: 0.9983, step time: 1.0269
Batch 147/248, train_loss: 0.6321, step time: 1.0267
Batch 148/248, train_loss: 0.9686, step time: 1.0425
Batch 149/248, train_loss: 0.7151, step time: 1.0282
Batch 150/248, train_loss: 0.8885, step time: 1.0339
Batch 151/248, train_loss: 0.8654, step time: 1.0278
Batch 152/248, train_loss: 0.6357, step time: 1.0478
Batch 153/248, train_loss: 0.7676, step time: 1.0429
Batch 154/248, train_loss: 0.8909, step time: 1.0481
Batch 155/248, train_loss: 0.7238, step time: 1.0266
Batch 156/248, train_loss: 0.7441, step time: 1.0261
Batch 157/248, train_loss: 0.7950, step time: 1.0324
Batch 158/248, train_loss: 0.9986, step time: 1.0251
Batch 159/248, train_loss: 0.8228, step time: 1.0323
Batch 160/248, train_loss: 0.6906, step time: 1.0479
Batch 161/248, train_loss: 0.7009, step time: 1.0380
Batch 162/248, train_loss: 0.6435, step time: 1.0571

```
Batch 163/248, train_loss: 0.7165, step time: 1.0282
Batch 164/248, train_loss: 0.7676, step time: 1.0535
Batch 165/248, train_loss: 0.9993, step time: 1.0230
Batch 166/248, train_loss: 0.7199, step time: 1.0340
Batch 167/248, train_loss: 0.7320, step time: 1.0403
Batch 168/248, train_loss: 0.7254, step time: 1.0255
Batch 169/248, train_loss: 0.6887, step time: 1.0399
Batch 170/248, train_loss: 0.9421, step time: 1.0498
Batch 171/248, train_loss: 0.6741, step time: 1.0516
Batch 172/248, train_loss: 0.9907, step time: 1.0295
Batch 173/248, train_loss: 0.6786, step time: 1.0439
Batch 174/248, train_loss: 0.9992, step time: 1.0321
Batch 175/248, train_loss: 0.7018, step time: 1.0335
Batch 176/248, train_loss: 0.8093, step time: 1.0498
Batch 177/248, train_loss: 0.8170, step time: 1.0390
Batch 178/248, train_loss: 0.7409, step time: 1.0261
Batch 179/248, train_loss: 0.6437, step time: 1.0550
Batch 180/248, train_loss: 0.7903, step time: 1.0421
Batch 181/248, train_loss: 0.6828, step time: 1.0550
Batch 182/248, train_loss: 0.9647, step time: 1.0343
Batch 183/248, train_loss: 0.6907, step time: 1.0441
Batch 184/248, train_loss: 0.8091, step time: 1.0547
Batch 185/248, train_loss: 0.7128, step time: 1.0581
Batch 186/248, train_loss: 0.7025, step time: 1.0371
Batch 187/248, train_loss: 0.7232, step time: 1.0270
Batch 188/248, train_loss: 0.7414, step time: 1.0536
Batch 189/248, train_loss: 0.9390, step time: 1.0325
Batch 190/248, train_loss: 0.7104, step time: 1.0240
Batch 191/248, train_loss: 0.8519, step time: 1.0322
Batch 192/248, train_loss: 0.7384, step time: 1.0437
Batch 193/248, train_loss: 0.7572, step time: 1.0487
Batch 194/248, train_loss: 0.7021, step time: 1.0442
Batch 195/248, train_loss: 0.9663, step time: 1.0372
Batch 196/248, train_loss: 1.0000, step time: 1.0322
Batch 197/248, train_loss: 0.7569, step time: 1.0549
Batch 198/248, train_loss: 0.9997, step time: 1.0449
Batch 199/248, train_loss: 0.7256, step time: 1.0461
Batch 200/248, train_loss: 0.7049, step time: 1.0364
Batch 201/248, train_loss: 0.7078, step time: 1.0531
Batch 202/248, train_loss: 0.8204, step time: 1.0491
Batch 203/248, train_loss: 0.9133, step time: 1.0366
Batch 204/248, train_loss: 0.6756, step time: 1.0313
Batch 205/248, train_loss: 0.7886, step time: 1.0263
Batch 206/248, train_loss: 0.7922, step time: 1.0583
Batch 207/248, train_loss: 0.6860, step time: 1.0259
Batch 208/248, train_loss: 0.7273, step time: 1.0349
Batch 209/248, train_loss: 0.7077, step time: 1.0347
Batch 210/248, train_loss: 0.6775, step time: 1.0389
Batch 211/248, train_loss: 0.6823, step time: 1.0324
Batch 212/248, train_loss: 0.7448, step time: 1.0323
Batch 213/248, train_loss: 0.7122, step time: 1.0282
Batch 214/248, train_loss: 0.6944, step time: 1.0240
Batch 215/248, train_loss: 0.8097, step time: 1.0351
Batch 216/248, train_loss: 0.7201, step time: 1.0305
Batch 217/248, train_loss: 0.8894, step time: 1.0512
Batch 218/248, train_loss: 0.9982, step time: 1.0394
Batch 219/248, train_loss: 0.6934, step time: 1.0352
Batch 220/248, train_loss: 0.7712, step time: 1.0544
Batch 221/248, train_loss: 0.8017, step time: 1.0527
Batch 222/248, train_loss: 0.7307, step time: 1.0353
Batch 223/248, train_loss: 0.6591, step time: 1.0344
Batch 224/248, train_loss: 0.6876, step time: 1.0529
Batch 225/248, train_loss: 0.7514, step time: 1.0433
Batch 226/248, train_loss: 0.7259, step time: 1.0379
Batch 227/248, train_loss: 0.6917, step time: 1.0409
Batch 228/248, train_loss: 0.7327, step time: 1.0302
Batch 229/248, train_loss: 0.6834, step time: 1.0535
Batch 230/248, train_loss: 0.6947, step time: 1.0352
Batch 231/248, train_loss: 0.9994, step time: 1.0489
Batch 232/248, train_loss: 0.6824, step time: 1.0287
Batch 233/248, train_loss: 0.9998, step time: 1.0236
Batch 234/248, train_loss: 0.8632, step time: 1.0315
Batch 235/248, train_loss: 0.9462, step time: 1.0437
Batch 236/248, train_loss: 0.9983, step time: 1.0356
Batch 237/248, train_loss: 0.7060, step time: 1.0666
Batch 238/248, train_loss: 0.7056, step time: 1.0392
Batch 239/248, train_loss: 0.6181, step time: 1.0479
Batch 240/248, train_loss: 0.8104, step time: 1.0476
Batch 241/248, train_loss: 0.9913, step time: 1.0424
Batch 242/248, train_loss: 0.7235, step time: 1.0544
Batch 243/248, train_loss: 0.9986, step time: 1.0526
Batch 244/248, train_loss: 0.9782, step time: 1.0307
Batch 245/248, train_loss: 0.6826, step time: 1.0284
Batch 246/248, train_loss: 0.9253, step time: 1.0462
Batch 247/248, train_loss: 0.6501, step time: 1.0259
```

Batch 247/248, train_loss: 0.9534, step time: 1.0550
Batch 248/248, train_loss: 1.0000, step time: 1.0313

Labels



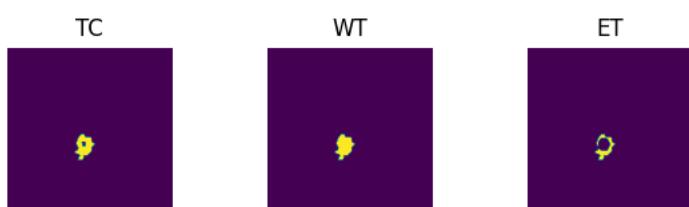
Predictions



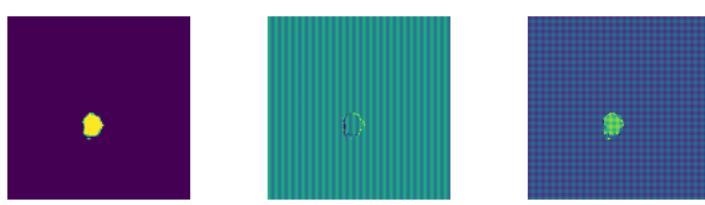
VAL

Batch 1/31, val_loss: 0.9342
Batch 2/31, val_loss: 0.9729
Batch 3/31, val_loss: 0.9911
Batch 4/31, val_loss: 0.9776
Batch 5/31, val_loss: 0.9965
Batch 6/31, val_loss: 0.8314
Batch 7/31, val_loss: 0.9234
Batch 8/31, val_loss: 0.9934
Batch 9/31, val_loss: 0.8344
Batch 10/31, val_loss: 0.9864
Batch 11/31, val_loss: 0.9044
Batch 12/31, val_loss: 0.9877
Batch 13/31, val_loss: 0.9870
Batch 14/31, val_loss: 0.9852
Batch 15/31, val_loss: 0.9970
Batch 16/31, val_loss: 0.9899
Batch 17/31, val_loss: 0.9916
Batch 18/31, val_loss: 0.9757
Batch 19/31, val_loss: 0.8804
Batch 20/31, val_loss: 0.9495
Batch 21/31, val_loss: 0.9576
Batch 22/31, val_loss: 0.9918
Batch 23/31, val_loss: 0.9943
Batch 24/31, val_loss: 0.8391
Batch 25/31, val_loss: 0.8969
Batch 26/31, val_loss: 0.9593
Batch 27/31, val_loss: 0.9972
Batch 28/31, val_loss: 0.8766
Batch 29/31, val_loss: 0.9927
Batch 30/31, val_loss: 0.9971
Batch 31/31, val_loss: 0.9866

Labels



Predictions



epoch 13

average train loss: 0.7843
average validation loss: 0.9542
saved as best model: False
current mean dice: 0.1497

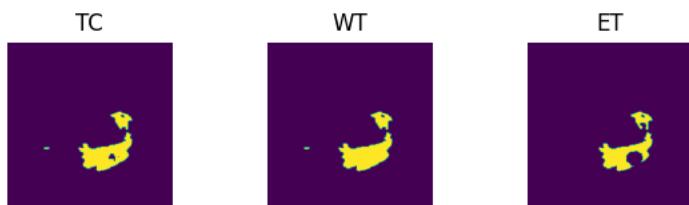
```
current TC dice: 0.4224
current WT dice: 0.0094
current ET dice: 0.0179
Best Mean Metric: 0.1565
time consuming of epoch 13 is: 1625.8053
-----
epoch 14/100
TRAIN
Batch 1/248, train_loss: 0.6670, step time: 1.0370
Batch 2/248, train_loss: 0.9053, step time: 1.0414
Batch 3/248, train_loss: 0.8053, step time: 1.0529
Batch 4/248, train_loss: 0.9949, step time: 1.0548
Batch 5/248, train_loss: 0.7597, step time: 1.0391
Batch 6/248, train_loss: 0.8508, step time: 1.0311
Batch 7/248, train_loss: 0.6445, step time: 1.0455
Batch 8/248, train_loss: 0.9123, step time: 1.0291
Batch 9/248, train_loss: 0.6580, step time: 1.0400
Batch 10/248, train_loss: 0.7590, step time: 1.0303
Batch 11/248, train_loss: 0.7241, step time: 1.0423
Batch 12/248, train_loss: 0.8052, step time: 1.0324
Batch 13/248, train_loss: 0.8638, step time: 1.0359
Batch 14/248, train_loss: 0.6337, step time: 1.0294
Batch 15/248, train_loss: 0.7992, step time: 1.0377
Batch 16/248, train_loss: 0.7167, step time: 1.0522
Batch 17/248, train_loss: 0.8467, step time: 1.0587
Batch 18/248, train_loss: 0.8230, step time: 1.0376
Batch 19/248, train_loss: 0.6820, step time: 1.0471
Batch 20/248, train_loss: 0.7632, step time: 1.0444
Batch 21/248, train_loss: 0.6880, step time: 1.0377
Batch 22/248, train_loss: 0.9998, step time: 1.0412
Batch 23/248, train_loss: 0.9999, step time: 1.0222
Batch 24/248, train_loss: 0.6931, step time: 1.0388
Batch 25/248, train_loss: 0.6513, step time: 1.0312
Batch 26/248, train_loss: 0.9333, step time: 1.0433
Batch 27/248, train_loss: 0.6710, step time: 1.0423
Batch 28/248, train_loss: 0.7469, step time: 1.0371
Batch 29/248, train_loss: 0.8322, step time: 1.0440
Batch 30/248, train_loss: 0.8625, step time: 1.0369
Batch 31/248, train_loss: 0.8226, step time: 1.0361
Batch 32/248, train_loss: 0.6933, step time: 1.0283
Batch 33/248, train_loss: 0.6695, step time: 1.0367
Batch 34/248, train_loss: 0.6630, step time: 1.0261
Batch 35/248, train_loss: 0.6836, step time: 1.0304
Batch 36/248, train_loss: 0.9985, step time: 1.0522
Batch 37/248, train_loss: 0.7491, step time: 1.0508
Batch 38/248, train_loss: 0.7672, step time: 1.0541
Batch 39/248, train_loss: 0.7262, step time: 1.0296
Batch 40/248, train_loss: 0.9998, step time: 1.0471
Batch 41/248, train_loss: 0.7349, step time: 1.0316
Batch 42/248, train_loss: 0.6927, step time: 1.0520
Batch 43/248, train_loss: 0.6646, step time: 1.0312
Batch 44/248, train_loss: 0.8219, step time: 1.0361
Batch 45/248, train_loss: 0.8838, step time: 1.0404
Batch 46/248, train_loss: 0.7206, step time: 1.0512
Batch 47/248, train_loss: 0.6963, step time: 1.0407
Batch 48/248, train_loss: 0.7811, step time: 1.0429
Batch 49/248, train_loss: 0.7954, step time: 1.0274
Batch 50/248, train_loss: 0.7133, step time: 1.0385
Batch 51/248, train_loss: 0.7279, step time: 1.0397
Batch 52/248, train_loss: 0.7142, step time: 1.0272
Batch 53/248, train_loss: 0.8258, step time: 1.0329
Batch 54/248, train_loss: 0.7595, step time: 1.0285
Batch 55/248, train_loss: 0.7860, step time: 1.0325
Batch 56/248, train_loss: 0.7766, step time: 1.0382
Batch 57/248, train_loss: 0.7430, step time: 1.0243
Batch 58/248, train_loss: 0.6889, step time: 1.0350
Batch 59/248, train_loss: 0.6965, step time: 1.0436
Batch 60/248, train_loss: 0.6759, step time: 1.0470
Batch 61/248, train_loss: 0.6902, step time: 1.0229
Batch 62/248, train_loss: 0.7803, step time: 1.0266
Batch 63/248, train_loss: 0.9275, step time: 1.0464
Batch 64/248, train_loss: 0.8645, step time: 1.0351
Batch 65/248, train_loss: 0.7710, step time: 1.0481
Batch 66/248, train_loss: 0.7474, step time: 1.0538
Batch 67/248, train_loss: 0.6686, step time: 1.0507
Batch 68/248, train_loss: 0.6944, step time: 1.0454
Batch 69/248, train_loss: 0.9986, step time: 1.0278
Batch 70/248, train_loss: 0.7127, step time: 1.0300
Batch 71/248, train_loss: 0.7171, step time: 1.0248
Batch 72/248, train_loss: 0.6772, step time: 1.0279
Batch 73/248, train_loss: 0.7675, step time: 1.0473
Batch 74/248, train_loss: 1.0000, step time: 1.0202
Batch 75/248, train_loss: 0.7038, step time: 1.0487
Batch 76/248, train_loss: 0.8716, step time: 1.0359
Batch 77/248, train_loss: 0.9997, step time: 1.0226
```

Batch 77/248, train_loss: 0.7105, step time: 1.0222
Batch 78/248, train_loss: 0.7175, step time: 1.0529
Batch 79/248, train_loss: 0.7117, step time: 1.0504
Batch 80/248, train_loss: 0.7543, step time: 1.0308
Batch 81/248, train_loss: 0.7704, step time: 1.0385
Batch 82/248, train_loss: 0.6875, step time: 1.0335
Batch 83/248, train_loss: 0.8913, step time: 1.0336
Batch 84/248, train_loss: 0.7648, step time: 1.0284
Batch 85/248, train_loss: 0.8344, step time: 1.0305
Batch 86/248, train_loss: 0.8320, step time: 1.0423
Batch 87/248, train_loss: 0.7777, step time: 1.0309
Batch 88/248, train_loss: 0.8283, step time: 1.0236
Batch 89/248, train_loss: 0.6568, step time: 1.0456
Batch 90/248, train_loss: 0.9132, step time: 1.0269
Batch 91/248, train_loss: 0.9044, step time: 1.0267
Batch 92/248, train_loss: 0.8108, step time: 1.0449
Batch 93/248, train_loss: 0.7138, step time: 1.0510
Batch 94/248, train_loss: 0.7746, step time: 1.0290
Batch 95/248, train_loss: 0.7184, step time: 1.0384
Batch 96/248, train_loss: 0.7269, step time: 1.0470
Batch 97/248, train_loss: 0.9978, step time: 1.0509
Batch 98/248, train_loss: 0.6883, step time: 1.0337
Batch 99/248, train_loss: 0.8343, step time: 1.0507
Batch 100/248, train_loss: 0.8249, step time: 1.0497
Batch 101/248, train_loss: 0.6485, step time: 1.0251
Batch 102/248, train_loss: 0.7012, step time: 1.0252
Batch 103/248, train_loss: 0.9631, step time: 1.0438
Batch 104/248, train_loss: 0.7554, step time: 1.0528
Batch 105/248, train_loss: 0.6767, step time: 1.0256
Batch 106/248, train_loss: 0.7163, step time: 1.0307
Batch 107/248, train_loss: 0.9501, step time: 1.0296
Batch 108/248, train_loss: 0.8649, step time: 1.0482
Batch 109/248, train_loss: 0.9519, step time: 1.0483
Batch 110/248, train_loss: 0.9691, step time: 1.0351
Batch 111/248, train_loss: 0.6885, step time: 1.0493
Batch 112/248, train_loss: 0.6933, step time: 1.0525
Batch 113/248, train_loss: 0.9951, step time: 1.0271
Batch 114/248, train_loss: 0.6900, step time: 1.0255
Batch 115/248, train_loss: 0.7310, step time: 1.0285
Batch 116/248, train_loss: 0.6786, step time: 1.0292
Batch 117/248, train_loss: 0.8770, step time: 1.0527
Batch 118/248, train_loss: 0.7649, step time: 1.0422
Batch 119/248, train_loss: 0.7532, step time: 1.0526
Batch 120/248, train_loss: 0.7503, step time: 1.0352
Batch 121/248, train_loss: 0.7755, step time: 1.0518
Batch 122/248, train_loss: 0.8718, step time: 1.0531
Batch 123/248, train_loss: 0.6896, step time: 1.0440
Batch 124/248, train_loss: 0.8275, step time: 1.0475
Batch 125/248, train_loss: 0.9169, step time: 1.0335
Batch 126/248, train_loss: 0.7879, step time: 1.0324
Batch 127/248, train_loss: 0.7020, step time: 1.0283
Batch 128/248, train_loss: 0.9056, step time: 1.0418
Batch 129/248, train_loss: 0.6659, step time: 1.0229
Batch 130/248, train_loss: 0.6894, step time: 1.0269
Batch 131/248, train_loss: 0.7941, step time: 1.0272
Batch 132/248, train_loss: 0.7287, step time: 1.0287
Batch 133/248, train_loss: 0.6809, step time: 1.0257
Batch 134/248, train_loss: 0.9799, step time: 1.0374
Batch 135/248, train_loss: 0.7926, step time: 1.0405
Batch 136/248, train_loss: 0.7061, step time: 1.0409
Batch 137/248, train_loss: 0.6893, step time: 1.0311
Batch 138/248, train_loss: 0.6704, step time: 1.0395
Batch 139/248, train_loss: 0.7294, step time: 1.0433
Batch 140/248, train_loss: 0.7512, step time: 1.0539
Batch 141/248, train_loss: 0.7372, step time: 1.0459
Batch 142/248, train_loss: 0.9213, step time: 1.0438
Batch 143/248, train_loss: 0.7622, step time: 1.0506
Batch 144/248, train_loss: 0.7026, step time: 1.0479
Batch 145/248, train_loss: 0.6417, step time: 1.0488
Batch 146/248, train_loss: 0.9994, step time: 1.0342
Batch 147/248, train_loss: 0.6329, step time: 1.0299
Batch 148/248, train_loss: 0.9770, step time: 1.0509
Batch 149/248, train_loss: 0.7190, step time: 1.0274
Batch 150/248, train_loss: 0.8871, step time: 1.0484
Batch 151/248, train_loss: 0.8000, step time: 1.0471
Batch 152/248, train_loss: 0.6350, step time: 1.0304
Batch 153/248, train_loss: 0.8081, step time: 1.0524
Batch 154/248, train_loss: 0.7945, step time: 1.0309
Batch 155/248, train_loss: 0.7080, step time: 1.0249
Batch 156/248, train_loss: 0.7499, step time: 1.0390
Batch 157/248, train_loss: 0.7969, step time: 1.0511
Batch 158/248, train_loss: 0.9992, step time: 1.0322
Batch 159/248, train_loss: 0.8341, step time: 1.0300
Batch 160/248, train_loss: 0.6928, step time: 1.0429
Batch 161/248, train_loss: 0.6964, step time: 1.0298

Batch 162/248, train_loss: 0.646, step time: 1.0478
Batch 163/248, train_loss: 0.7139, step time: 1.0278
Batch 164/248, train_loss: 0.7726, step time: 1.0250
Batch 165/248, train_loss: 0.9837, step time: 1.0359
Batch 166/248, train_loss: 0.7314, step time: 1.0396
Batch 167/248, train_loss: 0.7336, step time: 1.0546
Batch 168/248, train_loss: 0.7326, step time: 1.0362
Batch 169/248, train_loss: 0.6861, step time: 1.0254
Batch 170/248, train_loss: 0.9386, step time: 1.0380
Batch 171/248, train_loss: 0.6776, step time: 1.0332
Batch 172/248, train_loss: 0.9953, step time: 1.0324
Batch 173/248, train_loss: 0.6868, step time: 1.0523
Batch 174/248, train_loss: 0.9310, step time: 1.0444
Batch 175/248, train_loss: 0.7568, step time: 1.0264
Batch 176/248, train_loss: 0.8156, step time: 1.0568
Batch 177/248, train_loss: 0.7737, step time: 1.0349
Batch 178/248, train_loss: 0.8824, step time: 1.0503
Batch 179/248, train_loss: 0.6619, step time: 1.0353
Batch 180/248, train_loss: 0.7859, step time: 1.0364
Batch 181/248, train_loss: 0.6888, step time: 1.0331
Batch 182/248, train_loss: 0.9848, step time: 1.0490
Batch 183/248, train_loss: 0.7039, step time: 1.0600
Batch 184/248, train_loss: 0.8057, step time: 1.0296
Batch 185/248, train_loss: 0.7130, step time: 1.0278
Batch 186/248, train_loss: 0.7014, step time: 1.0363
Batch 187/248, train_loss: 0.7184, step time: 1.0292
Batch 188/248, train_loss: 0.7391, step time: 1.0255
Batch 189/248, train_loss: 0.9643, step time: 1.0476
Batch 190/248, train_loss: 0.7150, step time: 1.0338
Batch 191/248, train_loss: 0.9172, step time: 1.0433
Batch 192/248, train_loss: 0.7454, step time: 1.0392
Batch 193/248, train_loss: 0.7976, step time: 1.0575
Batch 194/248, train_loss: 0.7052, step time: 1.0286
Batch 195/248, train_loss: 0.9954, step time: 1.0436
Batch 196/248, train_loss: 1.0000, step time: 1.0411
Batch 197/248, train_loss: 0.7508, step time: 1.0496
Batch 198/248, train_loss: 0.9999, step time: 1.0395
Batch 199/248, train_loss: 0.7359, step time: 1.0444
Batch 200/248, train_loss: 0.7020, step time: 1.0259
Batch 201/248, train_loss: 0.7108, step time: 1.0280
Batch 202/248, train_loss: 0.8383, step time: 1.0408
Batch 203/248, train_loss: 0.8918, step time: 1.0294
Batch 204/248, train_loss: 0.6765, step time: 1.0532
Batch 205/248, train_loss: 0.7924, step time: 1.0436
Batch 206/248, train_loss: 0.7990, step time: 1.0519
Batch 207/248, train_loss: 0.6843, step time: 1.0304
Batch 208/248, train_loss: 0.7226, step time: 1.0344
Batch 209/248, train_loss: 0.7096, step time: 1.0520
Batch 210/248, train_loss: 0.6759, step time: 1.0511
Batch 211/248, train_loss: 0.6807, step time: 1.0413
Batch 212/248, train_loss: 0.7509, step time: 1.0303
Batch 213/248, train_loss: 0.7143, step time: 1.0390
Batch 214/248, train_loss: 0.6926, step time: 1.0434
Batch 215/248, train_loss: 0.8117, step time: 1.0316
Batch 216/248, train_loss: 0.7275, step time: 1.0315
Batch 217/248, train_loss: 0.7815, step time: 1.0282
Batch 218/248, train_loss: 0.9931, step time: 1.0310
Batch 219/248, train_loss: 0.6947, step time: 1.0551
Batch 220/248, train_loss: 0.7694, step time: 1.0330
Batch 221/248, train_loss: 0.7781, step time: 1.0332
Batch 222/248, train_loss: 0.7389, step time: 1.0557
Batch 223/248, train_loss: 0.6580, step time: 1.0557
Batch 224/248, train_loss: 0.6905, step time: 1.0270
Batch 225/248, train_loss: 0.7547, step time: 1.0440
Batch 226/248, train_loss: 0.7830, step time: 1.0319
Batch 227/248, train_loss: 0.6883, step time: 1.0431
Batch 228/248, train_loss: 0.7460, step time: 1.0316
Batch 229/248, train_loss: 0.6782, step time: 1.0418
Batch 230/248, train_loss: 0.6943, step time: 1.0480
Batch 231/248, train_loss: 0.9997, step time: 1.0396
Batch 232/248, train_loss: 0.6835, step time: 1.0497
Batch 233/248, train_loss: 0.9998, step time: 1.0268
Batch 234/248, train_loss: 0.8794, step time: 1.0276
Batch 235/248, train_loss: 0.8553, step time: 1.0363
Batch 236/248, train_loss: 0.9991, step time: 1.0428
Batch 237/248, train_loss: 0.7052, step time: 1.0244
Batch 238/248, train_loss: 0.6907, step time: 1.0326
Batch 239/248, train_loss: 0.6338, step time: 1.0420
Batch 240/248, train_loss: 0.8093, step time: 1.0575
Batch 241/248, train_loss: 0.9975, step time: 1.0498
Batch 242/248, train_loss: 0.7217, step time: 1.0247
Batch 243/248, train_loss: 0.9305, step time: 1.0349
Batch 244/248, train_loss: 0.8401, step time: 1.0361
Batch 245/248, train_loss: 0.6814, step time: 1.0240
Batch 246/248, train_loss: 0.9113, step time: 1.0349

Batch 247/248, train_loss: 0.6500, step time: 1.0453
Batch 248/248, train_loss: 0.9999, step time: 1.0284

Labels



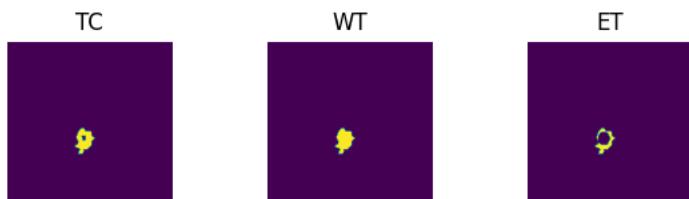
Predictions



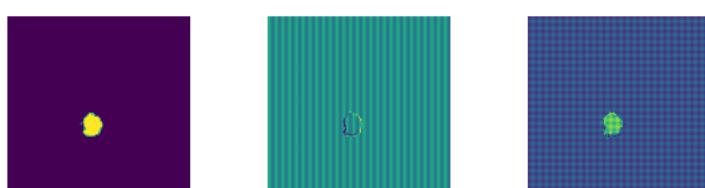
VAL

Batch 1/31, val_loss: 0.9377
Batch 2/31, val_loss: 0.9755
Batch 3/31, val_loss: 0.9893
Batch 4/31, val_loss: 0.9777
Batch 5/31, val_loss: 0.9964
Batch 6/31, val_loss: 0.8282
Batch 7/31, val_loss: 0.9184
Batch 8/31, val_loss: 0.9900
Batch 9/31, val_loss: 0.8343
Batch 10/31, val_loss: 0.9827
Batch 11/31, val_loss: 0.9081
Batch 12/31, val_loss: 0.9891
Batch 13/31, val_loss: 0.9859
Batch 14/31, val_loss: 0.9834
Batch 15/31, val_loss: 0.9973
Batch 16/31, val_loss: 0.9899
Batch 17/31, val_loss: 0.9921
Batch 18/31, val_loss: 0.9764
Batch 19/31, val_loss: 0.8782
Batch 20/31, val_loss: 0.9499
Batch 21/31, val_loss: 0.9770
Batch 22/31, val_loss: 0.9967
Batch 23/31, val_loss: 0.9941
Batch 24/31, val_loss: 0.8397
Batch 25/31, val_loss: 0.8957
Batch 26/31, val_loss: 0.9615
Batch 27/31, val_loss: 0.9974
Batch 28/31, val_loss: 0.8780
Batch 29/31, val_loss: 0.9940
Batch 30/31, val_loss: 0.9965
Batch 31/31, val_loss: 0.9868

Labels



Predictions



epoch 14

average train loss: 0.7825
average validation loss: 0.9548
saved as best model: False
current mean dice: 0.1471

current mean dice: 0.1471
current TC dice: 0.4155
current WT dice: 0.0092
current ET dice: 0.0175
Best Mean Metric: 0.1565
time consuming of epoch 14 is: 1620.2705

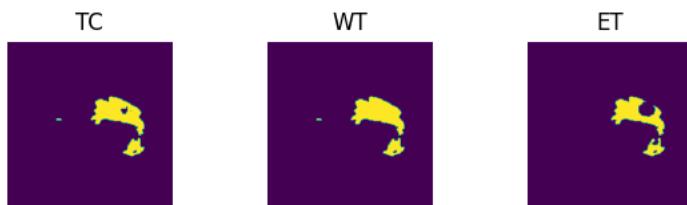
epoch 15/100
TRAIN
Batch 1/248, train_loss: 0.6658, step time: 1.0304
Batch 2/248, train_loss: 0.9270, step time: 1.0526
Batch 3/248, train_loss: 0.7994, step time: 1.0288
Batch 4/248, train_loss: 0.9947, step time: 1.0486
Batch 5/248, train_loss: 0.7510, step time: 1.0297
Batch 6/248, train_loss: 0.8572, step time: 1.0369
Batch 7/248, train_loss: 0.6469, step time: 1.0357
Batch 8/248, train_loss: 0.9194, step time: 1.0362
Batch 9/248, train_loss: 0.6573, step time: 1.0442
Batch 10/248, train_loss: 0.7714, step time: 1.0323
Batch 11/248, train_loss: 0.7238, step time: 1.0428
Batch 12/248, train_loss: 0.8005, step time: 1.0536
Batch 13/248, train_loss: 0.8192, step time: 1.0347
Batch 14/248, train_loss: 0.6319, step time: 1.0335
Batch 15/248, train_loss: 0.8003, step time: 1.0434
Batch 16/248, train_loss: 0.7193, step time: 1.0532
Batch 17/248, train_loss: 0.7609, step time: 1.0437
Batch 18/248, train_loss: 0.8386, step time: 1.0288
Batch 19/248, train_loss: 0.6880, step time: 1.0268
Batch 20/248, train_loss: 0.7726, step time: 1.0291
Batch 21/248, train_loss: 0.6929, step time: 1.0303
Batch 22/248, train_loss: 0.9999, step time: 1.0278
Batch 23/248, train_loss: 0.9989, step time: 1.0477
Batch 24/248, train_loss: 0.6942, step time: 1.0273
Batch 25/248, train_loss: 0.6414, step time: 1.0350
Batch 26/248, train_loss: 0.8134, step time: 1.0288
Batch 27/248, train_loss: 0.6644, step time: 1.0339
Batch 28/248, train_loss: 0.7312, step time: 1.0285
Batch 29/248, train_loss: 0.8453, step time: 1.0369
Batch 30/248, train_loss: 0.7624, step time: 1.0265
Batch 31/248, train_loss: 0.7931, step time: 1.0392
Batch 32/248, train_loss: 0.6920, step time: 1.0568
Batch 33/248, train_loss: 0.6684, step time: 1.0243
Batch 34/248, train_loss: 0.6630, step time: 1.0543
Batch 35/248, train_loss: 0.6804, step time: 1.0367
Batch 36/248, train_loss: 0.9997, step time: 1.0426
Batch 37/248, train_loss: 0.7361, step time: 1.0274
Batch 38/248, train_loss: 0.7757, step time: 1.0547
Batch 39/248, train_loss: 0.7378, step time: 1.0504
Batch 40/248, train_loss: 0.9993, step time: 1.0489
Batch 41/248, train_loss: 0.7447, step time: 1.0286
Batch 42/248, train_loss: 0.6859, step time: 1.0525
Batch 43/248, train_loss: 0.6619, step time: 1.0286
Batch 44/248, train_loss: 0.7910, step time: 1.0296
Batch 45/248, train_loss: 0.8769, step time: 1.0470
Batch 46/248, train_loss: 0.7345, step time: 1.0401
Batch 47/248, train_loss: 0.6876, step time: 1.0592
Batch 48/248, train_loss: 0.7773, step time: 1.0373
Batch 49/248, train_loss: 0.8170, step time: 1.0473
Batch 50/248, train_loss: 0.7148, step time: 1.0257
Batch 51/248, train_loss: 0.7345, step time: 1.0275
Batch 52/248, train_loss: 0.7121, step time: 1.0332
Batch 53/248, train_loss: 0.8145, step time: 1.0257
Batch 54/248, train_loss: 0.7545, step time: 1.0340
Batch 55/248, train_loss: 0.7682, step time: 1.0333
Batch 56/248, train_loss: 0.7384, step time: 1.0350
Batch 57/248, train_loss: 0.7382, step time: 1.0319
Batch 58/248, train_loss: 0.6884, step time: 1.0500
Batch 59/248, train_loss: 0.6885, step time: 1.0527
Batch 60/248, train_loss: 0.6766, step time: 1.0364
Batch 61/248, train_loss: 0.6917, step time: 1.0403
Batch 62/248, train_loss: 0.7732, step time: 1.0391
Batch 63/248, train_loss: 0.9780, step time: 1.0561
Batch 64/248, train_loss: 0.8550, step time: 1.0264
Batch 65/248, train_loss: 0.7527, step time: 1.0494
Batch 66/248, train_loss: 0.7294, step time: 1.0523
Batch 67/248, train_loss: 0.6678, step time: 1.0245
Batch 68/248, train_loss: 0.6884, step time: 1.0306
Batch 69/248, train_loss: 0.9954, step time: 1.0454
Batch 70/248, train_loss: 0.7103, step time: 1.0385
Batch 71/248, train_loss: 0.7099, step time: 1.0252
Batch 72/248, train_loss: 0.6750, step time: 1.0319
Batch 73/248, train_loss: 0.7922, step time: 1.0350
Batch 74/248, train_loss: 1.0000, step time: 1.0384
Batch 75/248, train_loss: 0.7003, step time: 1.0402
Batch 76/248, train_loss: 0.8893, step time: 1.0379

Batch 77/248, train_loss: 0.9942, step time: 1.0435
Batch 78/248, train_loss: 0.7236, step time: 1.0395
Batch 79/248, train_loss: 0.7162, step time: 1.0467
Batch 80/248, train_loss: 0.7530, step time: 1.0475
Batch 81/248, train_loss: 0.7511, step time: 1.0532
Batch 82/248, train_loss: 0.6871, step time: 1.0320
Batch 83/248, train_loss: 0.9152, step time: 1.0523
Batch 84/248, train_loss: 0.7623, step time: 1.0383
Batch 85/248, train_loss: 0.8144, step time: 1.0535
Batch 86/248, train_loss: 0.8094, step time: 1.0481
Batch 87/248, train_loss: 0.9057, step time: 1.0295
Batch 88/248, train_loss: 0.8027, step time: 1.0469
Batch 89/248, train_loss: 0.6551, step time: 1.0491
Batch 90/248, train_loss: 0.8627, step time: 1.0520
Batch 91/248, train_loss: 0.8125, step time: 1.0334
Batch 92/248, train_loss: 0.8418, step time: 1.0289
Batch 93/248, train_loss: 0.7116, step time: 1.0471
Batch 94/248, train_loss: 0.7511, step time: 1.0289
Batch 95/248, train_loss: 0.7184, step time: 1.0523
Batch 96/248, train_loss: 0.7181, step time: 1.0352
Batch 97/248, train_loss: 0.9945, step time: 1.0370
Batch 98/248, train_loss: 0.6833, step time: 1.0258
Batch 99/248, train_loss: 0.8214, step time: 1.0443
Batch 100/248, train_loss: 0.7643, step time: 1.0405
Batch 101/248, train_loss: 0.6432, step time: 1.0448
Batch 102/248, train_loss: 0.7037, step time: 1.0493
Batch 103/248, train_loss: 0.9507, step time: 1.0254
Batch 104/248, train_loss: 0.7522, step time: 1.0263
Batch 105/248, train_loss: 0.6742, step time: 1.0444
Batch 106/248, train_loss: 0.7106, step time: 1.0333
Batch 107/248, train_loss: 0.9515, step time: 1.0269
Batch 108/248, train_loss: 0.8677, step time: 1.0403
Batch 109/248, train_loss: 0.9547, step time: 1.0442
Batch 110/248, train_loss: 0.9991, step time: 1.0500
Batch 111/248, train_loss: 0.6785, step time: 1.0401
Batch 112/248, train_loss: 0.6889, step time: 1.0334
Batch 113/248, train_loss: 0.9987, step time: 1.0404
Batch 114/248, train_loss: 0.6874, step time: 1.0288
Batch 115/248, train_loss: 0.7194, step time: 1.0351
Batch 116/248, train_loss: 0.6815, step time: 1.0492
Batch 117/248, train_loss: 0.9910, step time: 1.0409
Batch 118/248, train_loss: 0.9025, step time: 1.0499
Batch 119/248, train_loss: 0.7549, step time: 1.0341
Batch 120/248, train_loss: 0.7427, step time: 1.0416
Batch 121/248, train_loss: 0.7820, step time: 1.0257
Batch 122/248, train_loss: 0.8368, step time: 1.0429
Batch 123/248, train_loss: 0.6861, step time: 1.0285
Batch 124/248, train_loss: 0.8046, step time: 1.0414
Batch 125/248, train_loss: 0.9142, step time: 1.0349
Batch 126/248, train_loss: 0.7818, step time: 1.0356
Batch 127/248, train_loss: 0.7039, step time: 1.0348
Batch 128/248, train_loss: 0.9101, step time: 1.0281
Batch 129/248, train_loss: 0.6683, step time: 1.0468
Batch 130/248, train_loss: 0.6905, step time: 1.0560
Batch 131/248, train_loss: 0.8595, step time: 1.0342
Batch 132/248, train_loss: 0.7765, step time: 1.0284
Batch 133/248, train_loss: 0.6727, step time: 1.0401
Batch 134/248, train_loss: 0.9671, step time: 1.0288
Batch 135/248, train_loss: 0.7489, step time: 1.0415
Batch 136/248, train_loss: 0.7111, step time: 1.0287
Batch 137/248, train_loss: 0.6879, step time: 1.0299
Batch 138/248, train_loss: 0.6735, step time: 1.0345
Batch 139/248, train_loss: 0.7159, step time: 1.0535
Batch 140/248, train_loss: 0.7420, step time: 1.0479
Batch 141/248, train_loss: 0.7285, step time: 1.0498
Batch 142/248, train_loss: 0.9246, step time: 1.0288
Batch 143/248, train_loss: 0.7752, step time: 1.0528
Batch 144/248, train_loss: 0.7009, step time: 1.0501
Batch 145/248, train_loss: 0.6427, step time: 1.0365
Batch 146/248, train_loss: 0.9989, step time: 1.0378
Batch 147/248, train_loss: 0.6297, step time: 1.0275
Batch 148/248, train_loss: 0.9685, step time: 1.0255
Batch 149/248, train_loss: 0.7152, step time: 1.0333
Batch 150/248, train_loss: 0.8739, step time: 1.0345
Batch 151/248, train_loss: 0.8146, step time: 1.0440
Batch 152/248, train_loss: 0.6319, step time: 1.0222
Batch 153/248, train_loss: 0.7788, step time: 1.0446
Batch 154/248, train_loss: 0.8377, step time: 1.0312
Batch 155/248, train_loss: 0.7170, step time: 1.0229
Batch 156/248, train_loss: 0.7347, step time: 1.0413
Batch 157/248, train_loss: 0.7907, step time: 1.0431
Batch 158/248, train_loss: 0.9995, step time: 1.0273
Batch 159/248, train_loss: 0.9529, step time: 1.0428
Batch 160/248, train_loss: 0.6997, step time: 1.0269
Batch 161/248, train_loss: 0.7145, step time: 1.0432

Batch 162/248, train_loss: 0.6361, step time: 1.0512
Batch 163/248, train_loss: 0.7368, step time: 1.0335
Batch 164/248, train_loss: 0.7199, step time: 1.0361
Batch 165/248, train_loss: 0.9940, step time: 1.0261
Batch 166/248, train_loss: 0.7363, step time: 1.0250
Batch 167/248, train_loss: 0.7265, step time: 1.0553
Batch 168/248, train_loss: 0.7276, step time: 1.0520
Batch 169/248, train_loss: 0.6879, step time: 1.0371
Batch 170/248, train_loss: 0.9395, step time: 1.0284
Batch 171/248, train_loss: 0.6670, step time: 1.0330
Batch 172/248, train_loss: 0.9820, step time: 1.0383
Batch 173/248, train_loss: 0.6809, step time: 1.0325
Batch 174/248, train_loss: 0.8860, step time: 1.0408
Batch 175/248, train_loss: 0.7121, step time: 1.0279
Batch 176/248, train_loss: 0.7976, step time: 1.0360
Batch 177/248, train_loss: 0.7776, step time: 1.0459
Batch 178/248, train_loss: 0.7436, step time: 1.0477
Batch 179/248, train_loss: 0.6483, step time: 1.0513
Batch 180/248, train_loss: 0.8046, step time: 1.0409
Batch 181/248, train_loss: 0.6852, step time: 1.0475
Batch 182/248, train_loss: 0.9734, step time: 1.0318
Batch 183/248, train_loss: 0.7103, step time: 1.0583
Batch 184/248, train_loss: 0.8047, step time: 1.0470
Batch 185/248, train_loss: 0.7073, step time: 1.0396
Batch 186/248, train_loss: 0.6975, step time: 1.0329
Batch 187/248, train_loss: 0.7180, step time: 1.0559
Batch 188/248, train_loss: 0.7480, step time: 1.0300
Batch 189/248, train_loss: 0.9199, step time: 1.0512
Batch 190/248, train_loss: 0.7085, step time: 1.0504
Batch 191/248, train_loss: 0.8458, step time: 1.0315
Batch 192/248, train_loss: 0.7447, step time: 1.0323
Batch 193/248, train_loss: 0.7564, step time: 1.0314
Batch 194/248, train_loss: 0.7010, step time: 1.0291
Batch 195/248, train_loss: 0.9973, step time: 1.0420
Batch 196/248, train_loss: 1.0000, step time: 1.0335
Batch 197/248, train_loss: 0.7660, step time: 1.0252
Batch 198/248, train_loss: 0.9998, step time: 1.0399
Batch 199/248, train_loss: 0.7254, step time: 1.0319
Batch 200/248, train_loss: 0.7057, step time: 1.0446
Batch 201/248, train_loss: 0.7114, step time: 1.0453
Batch 202/248, train_loss: 0.8250, step time: 1.0372
Batch 203/248, train_loss: 0.8891, step time: 1.0296
Batch 204/248, train_loss: 0.6752, step time: 1.0289
Batch 205/248, train_loss: 0.7670, step time: 1.0332
Batch 206/248, train_loss: 0.8874, step time: 1.0581
Batch 207/248, train_loss: 0.6828, step time: 1.0419
Batch 208/248, train_loss: 0.7292, step time: 1.0364
Batch 209/248, train_loss: 0.7071, step time: 1.0376
Batch 210/248, train_loss: 0.6750, step time: 1.0476
Batch 211/248, train_loss: 0.6807, step time: 1.0290
Batch 212/248, train_loss: 0.9525, step time: 1.0521
Batch 213/248, train_loss: 0.7072, step time: 1.0533
Batch 214/248, train_loss: 0.6865, step time: 1.0435
Batch 215/248, train_loss: 0.7952, step time: 1.0301
Batch 216/248, train_loss: 0.7208, step time: 1.0353
Batch 217/248, train_loss: 0.7817, step time: 1.0315
Batch 218/248, train_loss: 0.9977, step time: 1.0421
Batch 219/248, train_loss: 0.6962, step time: 1.0365
Batch 220/248, train_loss: 0.7682, step time: 1.0355
Batch 221/248, train_loss: 0.7553, step time: 1.0341
Batch 222/248, train_loss: 0.7378, step time: 1.0317
Batch 223/248, train_loss: 0.6568, step time: 1.0297
Batch 224/248, train_loss: 0.6851, step time: 1.0268
Batch 225/248, train_loss: 0.7516, step time: 1.0391
Batch 226/248, train_loss: 0.7242, step time: 1.0428
Batch 227/248, train_loss: 0.6879, step time: 1.0328
Batch 228/248, train_loss: 0.7658, step time: 1.0367
Batch 229/248, train_loss: 0.6778, step time: 1.0355
Batch 230/248, train_loss: 0.6940, step time: 1.0374
Batch 231/248, train_loss: 0.9034, step time: 1.0283
Batch 232/248, train_loss: 0.6855, step time: 1.0225
Batch 233/248, train_loss: 0.9995, step time: 1.0463
Batch 234/248, train_loss: 0.8716, step time: 1.0464
Batch 235/248, train_loss: 0.7706, step time: 1.0526
Batch 236/248, train_loss: 0.9881, step time: 1.0370
Batch 237/248, train_loss: 0.7021, step time: 1.0331
Batch 238/248, train_loss: 0.6914, step time: 1.0410
Batch 239/248, train_loss: 0.6229, step time: 1.0462
Batch 240/248, train_loss: 0.8050, step time: 1.0552
Batch 241/248, train_loss: 0.9990, step time: 1.0569
Batch 242/248, train_loss: 0.7195, step time: 1.0345
Batch 243/248, train_loss: 0.9472, step time: 1.0590
Batch 244/248, train_loss: 0.8264, step time: 1.0368
Batch 245/248, train_loss: 0.6805, step time: 1.0266
Batch 246/248, train_loss: 0.9286, step time: 1.0522

```
Batch 247/248, train_loss: 0.6477, step time: 1.0536  
Batch 248/248, train_loss: 1.0000, step time: 1.0469
```

Labels



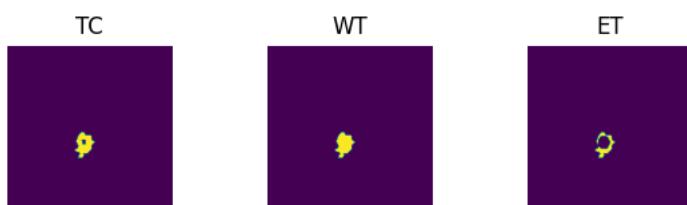
Predictions



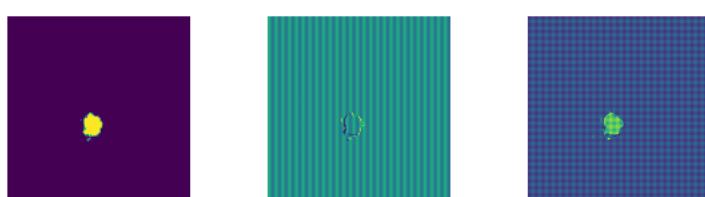
VAL

```
Batch 1/31, val_loss: 0.9395  
Batch 2/31, val_loss: 0.9562  
Batch 3/31, val_loss: 0.9886  
Batch 4/31, val_loss: 0.9768  
Batch 5/31, val_loss: 0.9945  
Batch 6/31, val_loss: 0.8269  
Batch 7/31, val_loss: 0.9175  
Batch 8/31, val_loss: 0.9881  
Batch 9/31, val_loss: 0.8310  
Batch 10/31, val_loss: 0.9695  
Batch 11/31, val_loss: 0.9031  
Batch 12/31, val_loss: 0.9892  
Batch 13/31, val_loss: 0.9856  
Batch 14/31, val_loss: 0.9827  
Batch 15/31, val_loss: 0.9966  
Batch 16/31, val_loss: 0.9881  
Batch 17/31, val_loss: 0.9912  
Batch 18/31, val_loss: 0.9749  
Batch 19/31, val_loss: 0.8784  
Batch 20/31, val_loss: 0.9498  
Batch 21/31, val_loss: 0.9530  
Batch 22/31, val_loss: 0.9928  
Batch 23/31, val_loss: 0.9940  
Batch 24/31, val_loss: 0.8376  
Batch 25/31, val_loss: 0.8940  
Batch 26/31, val_loss: 0.9595  
Batch 27/31, val_loss: 0.9957  
Batch 28/31, val_loss: 0.8775  
Batch 29/31, val_loss: 0.9937  
Batch 30/31, val_loss: 0.9950  
Batch 31/31, val_loss: 0.9857
```

Labels



Predictions



epoch 15

```
average train loss: 0.7795  
average validation loss: 0.9518  
saved as best model: False
```

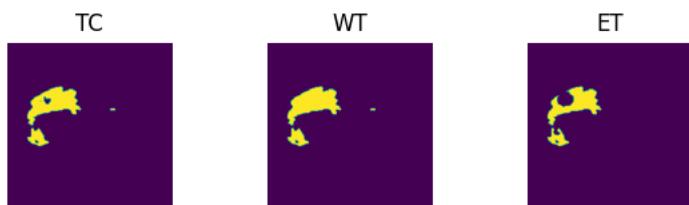
```
current mean dice: 0.1555
current TC dice: 0.4405
current WT dice: 0.0093
current ET dice: 0.0176
Best Mean Metric: 0.1565
time consuming of epoch 15 is: 1609.4279
-----
epoch 16/100
TRAIN
    Batch 1/248, train_loss: 0.6654, step time: 1.0436
    Batch 2/248, train_loss: 0.9215, step time: 1.0314
    Batch 3/248, train_loss: 0.8048, step time: 1.0400
    Batch 4/248, train_loss: 0.9973, step time: 1.0326
    Batch 5/248, train_loss: 0.7391, step time: 1.0309
    Batch 6/248, train_loss: 0.8566, step time: 1.0392
    Batch 7/248, train_loss: 0.6459, step time: 1.0515
    Batch 8/248, train_loss: 0.9198, step time: 1.0353
    Batch 9/248, train_loss: 0.6557, step time: 1.0414
    Batch 10/248, train_loss: 0.7722, step time: 1.0313
    Batch 11/248, train_loss: 0.7137, step time: 1.0364
    Batch 12/248, train_loss: 0.8173, step time: 1.0593
    Batch 13/248, train_loss: 0.7654, step time: 1.0474
    Batch 14/248, train_loss: 0.6331, step time: 1.0509
    Batch 15/248, train_loss: 0.8012, step time: 1.0470
    Batch 16/248, train_loss: 0.7128, step time: 1.0443
    Batch 17/248, train_loss: 0.7602, step time: 1.0450
    Batch 18/248, train_loss: 0.7855, step time: 1.0573
    Batch 19/248, train_loss: 0.6859, step time: 1.0507
    Batch 20/248, train_loss: 0.7671, step time: 1.0387
    Batch 21/248, train_loss: 0.6848, step time: 1.0270
    Batch 22/248, train_loss: 0.9998, step time: 1.0452
    Batch 23/248, train_loss: 0.9996, step time: 1.0505
    Batch 24/248, train_loss: 0.6929, step time: 1.0576
    Batch 25/248, train_loss: 0.6440, step time: 1.0293
    Batch 26/248, train_loss: 0.8422, step time: 1.0409
    Batch 27/248, train_loss: 0.6698, step time: 1.0343
    Batch 28/248, train_loss: 0.7395, step time: 1.0382
    Batch 29/248, train_loss: 0.8172, step time: 1.0326
    Batch 30/248, train_loss: 0.7541, step time: 1.0438
    Batch 31/248, train_loss: 0.8424, step time: 1.0500
    Batch 32/248, train_loss: 0.6941, step time: 1.0297
    Batch 33/248, train_loss: 0.6662, step time: 1.0389
    Batch 34/248, train_loss: 0.6631, step time: 1.0523
    Batch 35/248, train_loss: 0.6843, step time: 1.0538
    Batch 36/248, train_loss: 0.9992, step time: 1.0385
    Batch 37/248, train_loss: 0.7345, step time: 1.0267
    Batch 38/248, train_loss: 0.7637, step time: 1.0434
    Batch 39/248, train_loss: 0.7364, step time: 1.0422
    Batch 40/248, train_loss: 0.9995, step time: 1.0370
    Batch 41/248, train_loss: 0.7239, step time: 1.0495
    Batch 42/248, train_loss: 0.6902, step time: 1.0307
    Batch 43/248, train_loss: 0.6616, step time: 1.0270
    Batch 44/248, train_loss: 0.7793, step time: 1.0330
    Batch 45/248, train_loss: 0.8811, step time: 1.0415
    Batch 46/248, train_loss: 0.7201, step time: 1.0408
    Batch 47/248, train_loss: 0.6924, step time: 1.0291
    Batch 48/248, train_loss: 0.7528, step time: 1.0429
    Batch 49/248, train_loss: 0.8323, step time: 1.0436
    Batch 50/248, train_loss: 0.7142, step time: 1.0470
    Batch 51/248, train_loss: 0.7351, step time: 1.0280
    Batch 52/248, train_loss: 0.7078, step time: 1.0467
    Batch 53/248, train_loss: 0.8163, step time: 1.0395
    Batch 54/248, train_loss: 0.7511, step time: 1.0303
    Batch 55/248, train_loss: 0.7465, step time: 1.0340
    Batch 56/248, train_loss: 0.7457, step time: 1.0505
    Batch 57/248, train_loss: 0.7573, step time: 1.0377
    Batch 58/248, train_loss: 0.6875, step time: 1.0400
    Batch 59/248, train_loss: 0.6899, step time: 1.0308
    Batch 60/248, train_loss: 0.6746, step time: 1.0437
    Batch 61/248, train_loss: 0.6917, step time: 1.0436
    Batch 62/248, train_loss: 0.7722, step time: 1.0342
    Batch 63/248, train_loss: 0.8556, step time: 1.0371
    Batch 64/248, train_loss: 0.8434, step time: 1.0555
    Batch 65/248, train_loss: 0.7526, step time: 1.0372
    Batch 66/248, train_loss: 0.7335, step time: 1.0560
    Batch 67/248, train_loss: 0.6657, step time: 1.0507
    Batch 68/248, train_loss: 0.6922, step time: 1.0285
    Batch 69/248, train_loss: 0.9158, step time: 1.0290
    Batch 70/248, train_loss: 0.7111, step time: 1.0467
    Batch 71/248, train_loss: 0.7170, step time: 1.0398
    Batch 72/248, train_loss: 0.6740, step time: 1.0318
    Batch 73/248, train_loss: 0.7408, step time: 1.0339
    Batch 74/248, train_loss: 0.9995, step time: 1.0279
    Batch 75/248, train_loss: 0.6973, step time: 1.0425
    Batch 76/248, train_loss: 0.9164, step time: 1.0339
```

Batch 77/248, train_loss: 0.9799, step time: 1.0485
Batch 78/248, train_loss: 0.7286, step time: 1.0393
Batch 79/248, train_loss: 0.7340, step time: 1.0465
Batch 80/248, train_loss: 0.7537, step time: 1.0342
Batch 81/248, train_loss: 0.7928, step time: 1.0292
Batch 82/248, train_loss: 0.6863, step time: 1.0393
Batch 83/248, train_loss: 0.9072, step time: 1.0313
Batch 84/248, train_loss: 0.7662, step time: 1.0545
Batch 85/248, train_loss: 0.8111, step time: 1.0445
Batch 86/248, train_loss: 0.7740, step time: 1.0270
Batch 87/248, train_loss: 0.7690, step time: 1.0278
Batch 88/248, train_loss: 0.8306, step time: 1.0444
Batch 89/248, train_loss: 0.6757, step time: 1.0550
Batch 90/248, train_loss: 0.8306, step time: 1.0407
Batch 91/248, train_loss: 0.8108, step time: 1.0443
Batch 92/248, train_loss: 0.8461, step time: 1.0363
Batch 93/248, train_loss: 0.7231, step time: 1.0433
Batch 94/248, train_loss: 0.7835, step time: 1.0482
Batch 95/248, train_loss: 0.7178, step time: 1.0335
Batch 96/248, train_loss: 0.7356, step time: 1.0257
Batch 97/248, train_loss: 0.9972, step time: 1.0405
Batch 98/248, train_loss: 0.6952, step time: 1.0492
Batch 99/248, train_loss: 0.8232, step time: 1.0327
Batch 100/248, train_loss: 0.7848, step time: 1.0390
Batch 101/248, train_loss: 0.6511, step time: 1.0257
Batch 102/248, train_loss: 0.7301, step time: 1.0475
Batch 103/248, train_loss: 0.8568, step time: 1.0456
Batch 104/248, train_loss: 0.7760, step time: 1.0439
Batch 105/248, train_loss: 0.6867, step time: 1.0465
Batch 106/248, train_loss: 0.7187, step time: 1.0548
Batch 107/248, train_loss: 0.7590, step time: 1.0505
Batch 108/248, train_loss: 0.8423, step time: 1.0570
Batch 109/248, train_loss: 0.9677, step time: 1.0457
Batch 110/248, train_loss: 0.9775, step time: 1.0329
Batch 111/248, train_loss: 0.7197, step time: 1.0409
Batch 112/248, train_loss: 0.7077, step time: 1.0369
Batch 113/248, train_loss: 0.9971, step time: 1.0423
Batch 114/248, train_loss: 0.6896, step time: 1.0493
Batch 115/248, train_loss: 0.7430, step time: 1.0350
Batch 116/248, train_loss: 0.7031, step time: 1.0357
Batch 117/248, train_loss: 0.9713, step time: 1.0446
Batch 118/248, train_loss: 0.9397, step time: 1.0375
Batch 119/248, train_loss: 0.7622, step time: 1.0356
Batch 120/248, train_loss: 0.7720, step time: 1.0405
Batch 121/248, train_loss: 0.7752, step time: 1.0347
Batch 122/248, train_loss: 0.8155, step time: 1.0473
Batch 123/248, train_loss: 0.7020, step time: 1.0312
Batch 124/248, train_loss: 0.8220, step time: 1.0328
Batch 125/248, train_loss: 0.9103, step time: 1.0505
Batch 126/248, train_loss: 0.7213, step time: 1.0498
Batch 127/248, train_loss: 0.7063, step time: 1.0352
Batch 128/248, train_loss: 0.8230, step time: 1.0360
Batch 129/248, train_loss: 0.6870, step time: 1.0263
Batch 130/248, train_loss: 0.6866, step time: 1.0550
Batch 131/248, train_loss: 0.7913, step time: 1.0380
Batch 132/248, train_loss: 0.7374, step time: 1.0474
Batch 133/248, train_loss: 0.7297, step time: 1.0335
Batch 134/248, train_loss: 0.9629, step time: 1.0430
Batch 135/248, train_loss: 0.7320, step time: 1.0548
Batch 136/248, train_loss: 0.7105, step time: 1.0453
Batch 137/248, train_loss: 0.7071, step time: 1.0522
Batch 138/248, train_loss: 0.6848, step time: 1.0458
Batch 139/248, train_loss: 0.7174, step time: 1.0325
Batch 140/248, train_loss: 0.7524, step time: 1.0453
Batch 141/248, train_loss: 0.7427, step time: 1.0482
Batch 142/248, train_loss: 0.9778, step time: 1.0336
Batch 143/248, train_loss: 0.7525, step time: 1.0323
Batch 144/248, train_loss: 0.7023, step time: 1.0513
Batch 145/248, train_loss: 0.6554, step time: 1.0545
Batch 146/248, train_loss: 0.9982, step time: 1.0293
Batch 147/248, train_loss: 0.6349, step time: 1.0493
Batch 148/248, train_loss: 0.9494, step time: 1.0268
Batch 149/248, train_loss: 0.7171, step time: 1.0239
Batch 150/248, train_loss: 0.8826, step time: 1.0282
Batch 151/248, train_loss: 0.7729, step time: 1.0336
Batch 152/248, train_loss: 0.6362, step time: 1.0385
Batch 153/248, train_loss: 0.7846, step time: 1.0519
Batch 154/248, train_loss: 0.7945, step time: 1.0256
Batch 155/248, train_loss: 0.7073, step time: 1.0457
Batch 156/248, train_loss: 0.7382, step time: 1.0260
Batch 157/248, train_loss: 0.7918, step time: 1.0369
Batch 158/248, train_loss: 0.9985, step time: 1.0380
Batch 159/248, train_loss: 0.8175, step time: 1.0369
Batch 160/248, train_loss: 0.6977, step time: 1.0296
Batch 161/248, train_loss: 0.7058, step time: 1.0251

Batch 121/248, train_loss: 0.7100, step time: 1.0322
Batch 122/248, train_loss: 0.6548, step time: 1.0420
Batch 123/248, train_loss: 0.7180, step time: 1.0494
Batch 124/248, train_loss: 0.7267, step time: 1.0453
Batch 125/248, train_loss: 0.9696, step time: 1.0326
Batch 126/248, train_loss: 0.7037, step time: 1.0456
Batch 127/248, train_loss: 0.7352, step time: 1.0263
Batch 128/248, train_loss: 0.7263, step time: 1.0439
Batch 129/248, train_loss: 0.6915, step time: 1.0346
Batch 130/248, train_loss: 0.9262, step time: 1.0403
Batch 131/248, train_loss: 0.6698, step time: 1.0432
Batch 132/248, train_loss: 0.9766, step time: 1.0292
Batch 133/248, train_loss: 0.6784, step time: 1.0474
Batch 134/248, train_loss: 0.9076, step time: 1.0502
Batch 135/248, train_loss: 0.7067, step time: 1.0414
Batch 136/248, train_loss: 0.8193, step time: 1.0514
Batch 137/248, train_loss: 0.8032, step time: 1.0479
Batch 138/248, train_loss: 0.7304, step time: 1.0397
Batch 139/248, train_loss: 0.6406, step time: 1.0343
Batch 140/248, train_loss: 0.8070, step time: 1.0264
Batch 141/248, train_loss: 0.6825, step time: 1.0351
Batch 142/248, train_loss: 0.9761, step time: 1.0397
Batch 143/248, train_loss: 0.6861, step time: 1.0335
Batch 144/248, train_loss: 0.7973, step time: 1.0459
Batch 145/248, train_loss: 0.7078, step time: 1.0419
Batch 146/248, train_loss: 0.6989, step time: 1.0545
Batch 147/248, train_loss: 0.7135, step time: 1.0413
Batch 148/248, train_loss: 0.7430, step time: 1.0346
Batch 149/248, train_loss: 0.9614, step time: 1.0521
Batch 150/248, train_loss: 0.7096, step time: 1.0423
Batch 151/248, train_loss: 0.8497, step time: 1.0299
Batch 152/248, train_loss: 0.7476, step time: 1.0517
Batch 153/248, train_loss: 0.7498, step time: 1.0293
Batch 154/248, train_loss: 0.7025, step time: 1.0429
Batch 155/248, train_loss: 0.9567, step time: 1.0467
Batch 156/248, train_loss: 1.0000, step time: 1.0337
Batch 157/248, train_loss: 0.7624, step time: 1.0360
Batch 158/248, train_loss: 1.0000, step time: 1.0327
Batch 159/248, train_loss: 0.7310, step time: 1.0401
Batch 160/248, train_loss: 0.7093, step time: 1.0374
Batch 161/248, train_loss: 0.7046, step time: 1.0270
Batch 162/248, train_loss: 0.8099, step time: 1.0316
Batch 163/248, train_loss: 0.9337, step time: 1.0327
Batch 164/248, train_loss: 0.6759, step time: 1.0239
Batch 165/248, train_loss: 0.7773, step time: 1.0377
Batch 166/248, train_loss: 0.9585, step time: 1.0367
Batch 167/248, train_loss: 0.6865, step time: 1.0424
Batch 168/248, train_loss: 0.7266, step time: 1.0369
Batch 169/248, train_loss: 0.7102, step time: 1.0295
Batch 170/248, train_loss: 0.6763, step time: 1.0426
Batch 171/248, train_loss: 0.6802, step time: 1.0423
Batch 172/248, train_loss: 0.7503, step time: 1.0421
Batch 173/248, train_loss: 0.7115, step time: 1.0450
Batch 174/248, train_loss: 0.6855, step time: 1.0249
Batch 175/248, train_loss: 0.7890, step time: 1.0596
Batch 176/248, train_loss: 0.7192, step time: 1.0532
Batch 177/248, train_loss: 0.7801, step time: 1.0475
Batch 178/248, train_loss: 0.9960, step time: 1.0348
Batch 179/248, train_loss: 0.6918, step time: 1.0547
Batch 180/248, train_loss: 0.7742, step time: 1.0249
Batch 181/248, train_loss: 0.7471, step time: 1.0483
Batch 182/248, train_loss: 0.7359, step time: 1.0486
Batch 183/248, train_loss: 0.6568, step time: 1.0469
Batch 184/248, train_loss: 0.6891, step time: 1.0339
Batch 185/248, train_loss: 0.7516, step time: 1.0444
Batch 186/248, train_loss: 0.7602, step time: 1.0397
Batch 187/248, train_loss: 0.6876, step time: 1.0292
Batch 188/248, train_loss: 0.7284, step time: 1.0457
Batch 189/248, train_loss: 0.6802, step time: 1.0314
Batch 190/248, train_loss: 0.6973, step time: 1.0393
Batch 191/248, train_loss: 0.8890, step time: 1.0435
Batch 192/248, train_loss: 0.6859, step time: 1.0317
Batch 193/248, train_loss: 0.9996, step time: 1.0318
Batch 194/248, train_loss: 0.8553, step time: 1.0317
Batch 195/248, train_loss: 0.9041, step time: 1.0462
Batch 196/248, train_loss: 0.9964, step time: 1.0387
Batch 197/248, train_loss: 0.7057, step time: 1.0405
Batch 198/248, train_loss: 0.6947, step time: 1.0332
Batch 199/248, train_loss: 0.6285, step time: 1.0510
Batch 200/248, train_loss: 0.7998, step time: 1.0444
Batch 201/248, train_loss: 0.9825, step time: 1.0366
Batch 202/248, train_loss: 0.7185, step time: 1.0357
Batch 203/248, train_loss: 0.9084, step time: 1.0593
Batch 204/248, train_loss: 0.8454, step time: 1.0337
Batch 205/248, train_loss: 0.6812, step time: 1.0515

```
Batch 246/248, train_loss: 0.8/16, step time: 1.0483  
Batch 247/248, train_loss: 0.6519, step time: 1.0291  
Batch 248/248, train_loss: 1.0000, step time: 1.0373
```

Labels



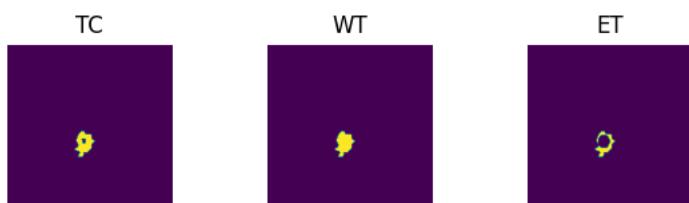
Predictions



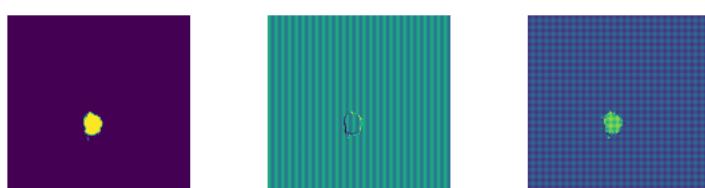
VAL

```
Batch 1/31, val_loss: 0.9281  
Batch 2/31, val_loss: 0.9642  
Batch 3/31, val_loss: 0.9867  
Batch 4/31, val_loss: 0.9767  
Batch 5/31, val_loss: 0.9951  
Batch 6/31, val_loss: 0.8263  
Batch 7/31, val_loss: 0.9139  
Batch 8/31, val_loss: 0.9838  
Batch 9/31, val_loss: 0.8359  
Batch 10/31, val_loss: 0.9872  
Batch 11/31, val_loss: 0.9038  
Batch 12/31, val_loss: 0.9857  
Batch 13/31, val_loss: 0.9852  
Batch 14/31, val_loss: 0.9742  
Batch 15/31, val_loss: 0.9975  
Batch 16/31, val_loss: 0.9812  
Batch 17/31, val_loss: 0.9882  
Batch 18/31, val_loss: 0.9731  
Batch 19/31, val_loss: 0.8766  
Batch 20/31, val_loss: 0.9489  
Batch 21/31, val_loss: 0.9748  
Batch 22/31, val_loss: 0.9910  
Batch 23/31, val_loss: 0.9892  
Batch 24/31, val_loss: 0.8400  
Batch 25/31, val_loss: 0.8927  
Batch 26/31, val_loss: 0.9591  
Batch 27/31, val_loss: 0.9963  
Batch 28/31, val_loss: 0.8883  
Batch 29/31, val_loss: 0.9933  
Batch 30/31, val_loss: 0.9876  
Batch 31/31, val_loss: 0.9863
```

Labels



Predictions



epoch 16

```
average train loss: 0.7759  
average validation loss: 0.9520  
saved as best model: True
```

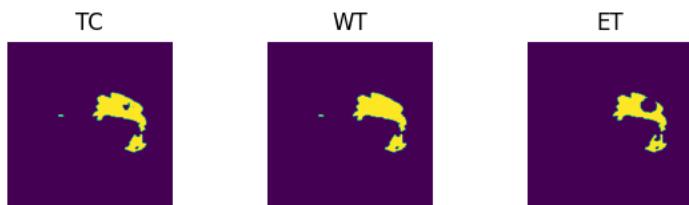
```
current mean dice: 0.1684
current TC dice: 0.4796
current WT dice: 0.0091
current ET dice: 0.0173
Best Mean Metric: 0.1684
time consuming of epoch 16 is: 1606.8924
-----
epoch 17/100
TRAIN
    Batch 1/248, train_loss: 0.6639, step time: 1.0439
    Batch 2/248, train_loss: 0.9683, step time: 1.0546
    Batch 3/248, train_loss: 0.8096, step time: 1.0373
    Batch 4/248, train_loss: 0.9981, step time: 1.0269
    Batch 5/248, train_loss: 0.7416, step time: 1.0341
    Batch 6/248, train_loss: 0.8347, step time: 1.0444
    Batch 7/248, train_loss: 0.6489, step time: 1.0441
    Batch 8/248, train_loss: 0.9129, step time: 1.0431
    Batch 9/248, train_loss: 0.6553, step time: 1.0446
    Batch 10/248, train_loss: 0.7691, step time: 1.0302
    Batch 11/248, train_loss: 0.7196, step time: 1.0569
    Batch 12/248, train_loss: 0.7916, step time: 1.0424
    Batch 13/248, train_loss: 0.8091, step time: 1.0487
    Batch 14/248, train_loss: 0.6332, step time: 1.0297
    Batch 15/248, train_loss: 0.7951, step time: 1.0400
    Batch 16/248, train_loss: 0.7187, step time: 1.0566
    Batch 17/248, train_loss: 0.8045, step time: 1.0350
    Batch 18/248, train_loss: 0.8132, step time: 1.0293
    Batch 19/248, train_loss: 0.6910, step time: 1.0471
    Batch 20/248, train_loss: 0.7351, step time: 1.0517
    Batch 21/248, train_loss: 0.6915, step time: 1.0461
    Batch 22/248, train_loss: 0.9999, step time: 1.0258
    Batch 23/248, train_loss: 0.9994, step time: 1.0251
    Batch 24/248, train_loss: 0.6921, step time: 1.0352
    Batch 25/248, train_loss: 0.6451, step time: 1.0305
    Batch 26/248, train_loss: 0.8343, step time: 1.0466
    Batch 27/248, train_loss: 0.6689, step time: 1.0546
    Batch 28/248, train_loss: 0.7417, step time: 1.0318
    Batch 29/248, train_loss: 0.8186, step time: 1.0355
    Batch 30/248, train_loss: 0.8301, step time: 1.0513
    Batch 31/248, train_loss: 0.7900, step time: 1.0328
    Batch 32/248, train_loss: 0.6914, step time: 1.0240
    Batch 33/248, train_loss: 0.6646, step time: 1.0333
    Batch 34/248, train_loss: 0.6639, step time: 1.0521
    Batch 35/248, train_loss: 0.6851, step time: 1.0270
    Batch 36/248, train_loss: 0.9978, step time: 1.0496
    Batch 37/248, train_loss: 0.7379, step time: 1.0328
    Batch 38/248, train_loss: 0.7700, step time: 1.0292
    Batch 39/248, train_loss: 0.7337, step time: 1.0474
    Batch 40/248, train_loss: 0.9998, step time: 1.0411
    Batch 41/248, train_loss: 0.7239, step time: 1.0404
    Batch 42/248, train_loss: 0.6939, step time: 1.0303
    Batch 43/248, train_loss: 0.6691, step time: 1.0283
    Batch 44/248, train_loss: 0.8298, step time: 1.0335
    Batch 45/248, train_loss: 0.9286, step time: 1.0364
    Batch 46/248, train_loss: 0.7172, step time: 1.0339
    Batch 47/248, train_loss: 0.6924, step time: 1.0435
    Batch 48/248, train_loss: 0.7741, step time: 1.0249
    Batch 49/248, train_loss: 0.8235, step time: 1.0436
    Batch 50/248, train_loss: 0.7183, step time: 1.0376
    Batch 51/248, train_loss: 0.7424, step time: 1.0293
    Batch 52/248, train_loss: 0.7102, step time: 1.0405
    Batch 53/248, train_loss: 0.8115, step time: 1.0464
    Batch 54/248, train_loss: 0.7564, step time: 1.0552
    Batch 55/248, train_loss: 0.8244, step time: 1.0296
    Batch 56/248, train_loss: 0.7656, step time: 1.0264
    Batch 57/248, train_loss: 0.7541, step time: 1.0350
    Batch 58/248, train_loss: 0.6871, step time: 1.0556
    Batch 59/248, train_loss: 0.6944, step time: 1.0312
    Batch 60/248, train_loss: 0.6789, step time: 1.0416
    Batch 61/248, train_loss: 0.6941, step time: 1.0309
    Batch 62/248, train_loss: 0.7816, step time: 1.0542
    Batch 63/248, train_loss: 0.9520, step time: 1.0517
    Batch 64/248, train_loss: 0.9210, step time: 1.0356
    Batch 65/248, train_loss: 0.8518, step time: 1.0413
    Batch 66/248, train_loss: 0.7600, step time: 1.0466
    Batch 67/248, train_loss: 0.6695, step time: 1.0485
    Batch 68/248, train_loss: 0.6982, step time: 1.0514
    Batch 69/248, train_loss: 0.9875, step time: 1.0441
    Batch 70/248, train_loss: 0.7141, step time: 1.0426
    Batch 71/248, train_loss: 0.7043, step time: 1.0385
    Batch 72/248, train_loss: 0.6748, step time: 1.0292
    Batch 73/248, train_loss: 0.7569, step time: 1.0304
    Batch 74/248, train_loss: 0.9999, step time: 1.0332
    Batch 75/248, train_loss: 0.7029, step time: 1.0346
    Batch 76/248, train_loss: 0.9601, step time: 1.0507
```

Batch 76/248, train_loss: 0.8894, step time: 1.0507
Batch 77/248, train_loss: 0.9997, step time: 1.0314
Batch 78/248, train_loss: 0.7170, step time: 1.0342
Batch 79/248, train_loss: 0.7117, step time: 1.0520
Batch 80/248, train_loss: 0.7555, step time: 1.0346
Batch 81/248, train_loss: 0.8270, step time: 1.0298
Batch 82/248, train_loss: 0.6889, step time: 1.0245
Batch 83/248, train_loss: 0.9005, step time: 1.0417
Batch 84/248, train_loss: 0.7300, step time: 1.0489
Batch 85/248, train_loss: 0.8038, step time: 1.0427
Batch 86/248, train_loss: 0.7941, step time: 1.0449
Batch 87/248, train_loss: 0.9768, step time: 1.0287
Batch 88/248, train_loss: 0.8610, step time: 1.0560
Batch 89/248, train_loss: 0.6605, step time: 1.0239
Batch 90/248, train_loss: 0.7935, step time: 1.0503
Batch 91/248, train_loss: 0.7936, step time: 1.0475
Batch 92/248, train_loss: 0.8943, step time: 1.0410
Batch 93/248, train_loss: 0.7079, step time: 1.0290
Batch 94/248, train_loss: 0.7665, step time: 1.0363
Batch 95/248, train_loss: 0.7191, step time: 1.0346
Batch 96/248, train_loss: 0.7283, step time: 1.0430
Batch 97/248, train_loss: 0.9855, step time: 1.0328
Batch 98/248, train_loss: 0.6810, step time: 1.0494
Batch 99/248, train_loss: 0.8071, step time: 1.0490
Batch 100/248, train_loss: 0.7858, step time: 1.0494
Batch 101/248, train_loss: 0.6443, step time: 1.0356
Batch 102/248, train_loss: 0.7490, step time: 1.0468
Batch 103/248, train_loss: 0.8707, step time: 1.0267
Batch 104/248, train_loss: 0.7378, step time: 1.0357
Batch 105/248, train_loss: 0.6777, step time: 1.0353
Batch 106/248, train_loss: 0.7090, step time: 1.0464
Batch 107/248, train_loss: 0.7546, step time: 1.0417
Batch 108/248, train_loss: 0.8528, step time: 1.0267
Batch 109/248, train_loss: 0.9807, step time: 1.0511
Batch 110/248, train_loss: 0.9731, step time: 1.0324
Batch 111/248, train_loss: 0.6929, step time: 1.0354
Batch 112/248, train_loss: 0.6964, step time: 1.0493
Batch 113/248, train_loss: 0.9972, step time: 1.0378
Batch 114/248, train_loss: 0.6896, step time: 1.0457
Batch 115/248, train_loss: 0.7205, step time: 1.0359
Batch 116/248, train_loss: 0.6801, step time: 1.0336
Batch 117/248, train_loss: 0.8902, step time: 1.0327
Batch 118/248, train_loss: 0.9159, step time: 1.0463
Batch 119/248, train_loss: 0.7544, step time: 1.0383
Batch 120/248, train_loss: 0.7317, step time: 1.0489
Batch 121/248, train_loss: 0.7545, step time: 1.0384
Batch 122/248, train_loss: 0.8360, step time: 1.0565
Batch 123/248, train_loss: 0.6868, step time: 1.0266
Batch 124/248, train_loss: 0.7502, step time: 1.0545
Batch 125/248, train_loss: 0.8480, step time: 1.0418
Batch 126/248, train_loss: 0.7364, step time: 1.0518
Batch 127/248, train_loss: 0.7006, step time: 1.0325
Batch 128/248, train_loss: 0.8543, step time: 1.0321
Batch 129/248, train_loss: 0.6752, step time: 1.0538
Batch 130/248, train_loss: 0.6798, step time: 1.0396
Batch 131/248, train_loss: 0.7934, step time: 1.0289
Batch 132/248, train_loss: 0.7268, step time: 1.0339
Batch 133/248, train_loss: 0.6742, step time: 1.0399
Batch 134/248, train_loss: 0.9663, step time: 1.0502
Batch 135/248, train_loss: 0.7188, step time: 1.0512
Batch 136/248, train_loss: 0.7392, step time: 1.0371
Batch 137/248, train_loss: 0.6904, step time: 1.0370
Batch 138/248, train_loss: 0.6721, step time: 1.0329
Batch 139/248, train_loss: 0.7261, step time: 1.0465
Batch 140/248, train_loss: 0.7425, step time: 1.0446
Batch 141/248, train_loss: 0.7295, step time: 1.0292
Batch 142/248, train_loss: 0.9617, step time: 1.0424
Batch 143/248, train_loss: 0.7522, step time: 1.0314
Batch 144/248, train_loss: 0.7008, step time: 1.0488
Batch 145/248, train_loss: 0.6399, step time: 1.0454
Batch 146/248, train_loss: 0.9957, step time: 1.0506
Batch 147/248, train_loss: 0.6313, step time: 1.0438
Batch 148/248, train_loss: 0.9654, step time: 1.0345
Batch 149/248, train_loss: 0.7117, step time: 1.0306
Batch 150/248, train_loss: 0.8732, step time: 1.0453
Batch 151/248, train_loss: 0.8687, step time: 1.0277
Batch 152/248, train_loss: 0.6328, step time: 1.0311
Batch 153/248, train_loss: 0.7558, step time: 1.0489
Batch 154/248, train_loss: 0.7921, step time: 1.0402
Batch 155/248, train_loss: 0.7114, step time: 1.0399
Batch 156/248, train_loss: 0.7304, step time: 1.0402
Batch 157/248, train_loss: 0.7894, step time: 1.0533
Batch 158/248, train_loss: 0.9987, step time: 1.0287
Batch 159/248, train_loss: 0.8353, step time: 1.0435
Batch 160/248, train_loss: 0.6907, step time: 1.0474
...
...

Batch 161/248, train_loss: 0.6959, step time: 1.0517
Batch 162/248, train_loss: 0.6378, step time: 1.0409
Batch 163/248, train_loss: 0.7217, step time: 1.0370
Batch 164/248, train_loss: 0.7216, step time: 1.0536
Batch 165/248, train_loss: 0.9303, step time: 1.0258
Batch 166/248, train_loss: 0.7007, step time: 1.0303
Batch 167/248, train_loss: 0.7201, step time: 1.0376
Batch 168/248, train_loss: 0.7247, step time: 1.0512
Batch 169/248, train_loss: 0.6876, step time: 1.0473
Batch 170/248, train_loss: 0.9410, step time: 1.0547
Batch 171/248, train_loss: 0.6704, step time: 1.0284
Batch 172/248, train_loss: 0.9924, step time: 1.0282
Batch 173/248, train_loss: 0.6752, step time: 1.0268
Batch 174/248, train_loss: 0.9462, step time: 1.0506
Batch 175/248, train_loss: 0.7023, step time: 1.0457
Batch 176/248, train_loss: 0.8029, step time: 1.0433
Batch 177/248, train_loss: 0.7930, step time: 1.0564
Batch 178/248, train_loss: 0.7282, step time: 1.0259
Batch 179/248, train_loss: 0.6414, step time: 1.0285
Batch 180/248, train_loss: 0.8041, step time: 1.0365
Batch 181/248, train_loss: 0.6815, step time: 1.0430
Batch 182/248, train_loss: 0.9685, step time: 1.0442
Batch 183/248, train_loss: 0.6925, step time: 1.0529
Batch 184/248, train_loss: 0.7704, step time: 1.0321
Batch 185/248, train_loss: 0.7084, step time: 1.0296
Batch 186/248, train_loss: 0.6938, step time: 1.0366
Batch 187/248, train_loss: 0.7212, step time: 1.0366
Batch 188/248, train_loss: 0.7545, step time: 1.0357
Batch 189/248, train_loss: 0.9904, step time: 1.0499
Batch 190/248, train_loss: 0.7079, step time: 1.0239
Batch 191/248, train_loss: 0.8542, step time: 1.0377
Batch 192/248, train_loss: 0.7457, step time: 1.0524
Batch 193/248, train_loss: 0.7438, step time: 1.0344
Batch 194/248, train_loss: 0.6991, step time: 1.0396
Batch 195/248, train_loss: 0.8713, step time: 1.0545
Batch 196/248, train_loss: 1.0000, step time: 1.0343
Batch 197/248, train_loss: 0.7593, step time: 1.0513
Batch 198/248, train_loss: 0.9998, step time: 1.0396
Batch 199/248, train_loss: 0.7313, step time: 1.0280
Batch 200/248, train_loss: 0.7044, step time: 1.0428
Batch 201/248, train_loss: 0.7056, step time: 1.0284
Batch 202/248, train_loss: 0.8115, step time: 1.0464
Batch 203/248, train_loss: 0.9268, step time: 1.0297
Batch 204/248, train_loss: 0.6712, step time: 1.0365
Batch 205/248, train_loss: 0.7666, step time: 1.0478
Batch 206/248, train_loss: 0.8479, step time: 1.0345
Batch 207/248, train_loss: 0.6817, step time: 1.0385
Batch 208/248, train_loss: 0.7328, step time: 1.0609
Batch 209/248, train_loss: 0.7076, step time: 1.0381
Batch 210/248, train_loss: 0.6758, step time: 1.0373
Batch 211/248, train_loss: 0.6782, step time: 1.0461
Batch 212/248, train_loss: 0.7392, step time: 1.0448
Batch 213/248, train_loss: 0.7221, step time: 1.0453
Batch 214/248, train_loss: 0.6875, step time: 1.0336
Batch 215/248, train_loss: 0.7761, step time: 1.0313
Batch 216/248, train_loss: 0.7290, step time: 1.0426
Batch 217/248, train_loss: 0.8023, step time: 1.0355
Batch 218/248, train_loss: 0.9937, step time: 1.0325
Batch 219/248, train_loss: 0.6908, step time: 1.0241
Batch 220/248, train_loss: 0.7804, step time: 1.0458
Batch 221/248, train_loss: 0.7462, step time: 1.0278
Batch 222/248, train_loss: 0.7377, step time: 1.0333
Batch 223/248, train_loss: 0.6566, step time: 1.0300
Batch 224/248, train_loss: 0.6882, step time: 1.0359
Batch 225/248, train_loss: 0.7565, step time: 1.0533
Batch 226/248, train_loss: 0.7790, step time: 1.0562
Batch 227/248, train_loss: 0.6872, step time: 1.0355
Batch 228/248, train_loss: 0.7322, step time: 1.0426
Batch 229/248, train_loss: 0.6770, step time: 1.0336
Batch 230/248, train_loss: 0.6905, step time: 1.0373
Batch 231/248, train_loss: 0.8320, step time: 1.0319
Batch 232/248, train_loss: 0.6856, step time: 1.0529
Batch 233/248, train_loss: 0.9993, step time: 1.0270
Batch 234/248, train_loss: 0.8469, step time: 1.0543
Batch 235/248, train_loss: 0.8747, step time: 1.0317
Batch 236/248, train_loss: 0.9807, step time: 1.0477
Batch 237/248, train_loss: 0.7038, step time: 1.0421
Batch 238/248, train_loss: 0.6954, step time: 1.0316
Batch 239/248, train_loss: 0.6253, step time: 1.0374
Batch 240/248, train_loss: 0.8176, step time: 1.0278
Batch 241/248, train_loss: 0.9957, step time: 1.0462
Batch 242/248, train_loss: 0.7255, step time: 1.0416
Batch 243/248, train_loss: 0.9566, step time: 1.0305
Batch 244/248, train_loss: 0.8167, step time: 1.0416
Batch 245/248, train_loss: 0.6778, step time: 1.0420

```
Batch 246/248, train_loss: 0.8826, step time: 1.0542  
Batch 247/248, train_loss: 0.6483, step time: 1.0278  
Batch 248/248, train_loss: 0.9998, step time: 1.0300
```

Labels



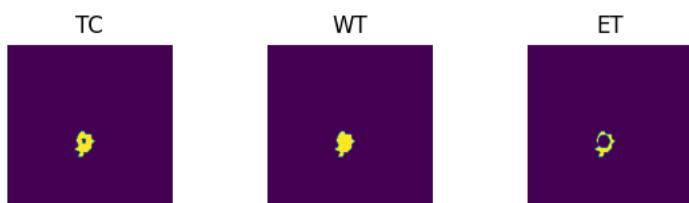
Predictions



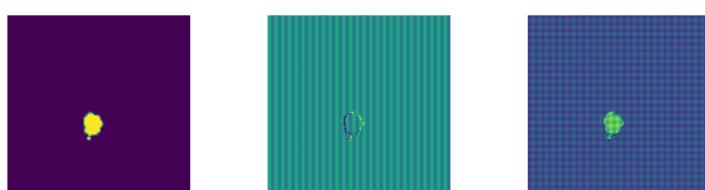
VAL

```
Batch 1/31, val_loss: 0.9246  
Batch 2/31, val_loss: 0.9497  
Batch 3/31, val_loss: 0.9868  
Batch 4/31, val_loss: 0.9755  
Batch 5/31, val_loss: 0.9938  
Batch 6/31, val_loss: 0.8266  
Batch 7/31, val_loss: 0.9177  
Batch 8/31, val_loss: 0.9899  
Batch 9/31, val_loss: 0.8330  
Batch 10/31, val_loss: 0.9872  
Batch 11/31, val_loss: 0.9009  
Batch 12/31, val_loss: 0.9851  
Batch 13/31, val_loss: 0.9859  
Batch 14/31, val_loss: 0.9779  
Batch 15/31, val_loss: 0.9953  
Batch 16/31, val_loss: 0.9840  
Batch 17/31, val_loss: 0.9908  
Batch 18/31, val_loss: 0.9726  
Batch 19/31, val_loss: 0.8783  
Batch 20/31, val_loss: 0.9500  
Batch 21/31, val_loss: 0.9594  
Batch 22/31, val_loss: 0.9932  
Batch 23/31, val_loss: 0.9933  
Batch 24/31, val_loss: 0.8390  
Batch 25/31, val_loss: 0.8932  
Batch 26/31, val_loss: 0.9566  
Batch 27/31, val_loss: 0.9952  
Batch 28/31, val_loss: 0.8909  
Batch 29/31, val_loss: 0.9937  
Batch 30/31, val_loss: 0.9921  
Batch 31/31, val_loss: 0.9850
```

Labels



Predictions



epoch 17

```
average train loss: 0.7763  
average validation loss: 0.9515
```

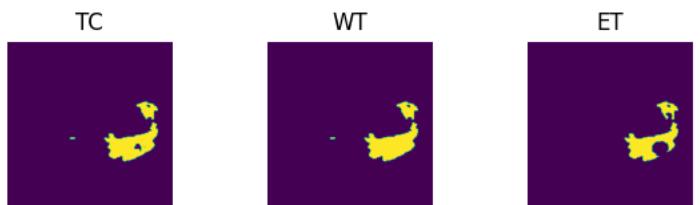
```
saved as best model: false
current mean dice: 0.1548
current TC dice: 0.4374
current WT dice: 0.0093
current ET dice: 0.0176
Best Mean Metric: 0.1684
time consuming of epoch 17 is: 1620.3273
-----
epoch 18/100
TRAIN
    Batch 1/248, train_loss: 0.6626, step time: 1.0483
    Batch 2/248, train_loss: 0.9272, step time: 1.0308
    Batch 3/248, train_loss: 0.8076, step time: 1.0468
    Batch 4/248, train_loss: 0.9988, step time: 1.0312
    Batch 5/248, train_loss: 0.7486, step time: 1.0285
    Batch 6/248, train_loss: 0.8521, step time: 1.0432
    Batch 7/248, train_loss: 0.6427, step time: 1.0542
    Batch 8/248, train_loss: 0.9130, step time: 1.0324
    Batch 9/248, train_loss: 0.6564, step time: 1.0451
    Batch 10/248, train_loss: 0.7676, step time: 1.0281
    Batch 11/248, train_loss: 0.7274, step time: 1.0491
    Batch 12/248, train_loss: 0.7752, step time: 1.0428
    Batch 13/248, train_loss: 0.7898, step time: 1.0300
    Batch 14/248, train_loss: 0.6310, step time: 1.0411
    Batch 15/248, train_loss: 0.7952, step time: 1.0514
    Batch 16/248, train_loss: 0.7108, step time: 1.0371
    Batch 17/248, train_loss: 0.7444, step time: 1.0459
    Batch 18/248, train_loss: 0.7893, step time: 1.0291
    Batch 19/248, train_loss: 0.6795, step time: 1.0242
    Batch 20/248, train_loss: 0.7622, step time: 1.0313
    Batch 21/248, train_loss: 0.6909, step time: 1.0333
    Batch 22/248, train_loss: 0.9997, step time: 1.0252
    Batch 23/248, train_loss: 0.9984, step time: 1.0539
    Batch 24/248, train_loss: 0.6922, step time: 1.0223
    Batch 25/248, train_loss: 0.6390, step time: 1.0495
    Batch 26/248, train_loss: 0.8327, step time: 1.0461
    Batch 27/248, train_loss: 0.6637, step time: 1.0439
    Batch 28/248, train_loss: 0.7300, step time: 1.0408
    Batch 29/248, train_loss: 0.8064, step time: 1.0379
    Batch 30/248, train_loss: 0.8399, step time: 1.0432
    Batch 31/248, train_loss: 0.8024, step time: 1.0303
    Batch 32/248, train_loss: 0.6901, step time: 1.0406
    Batch 33/248, train_loss: 0.6632, step time: 1.0467
    Batch 34/248, train_loss: 0.6621, step time: 1.0408
    Batch 35/248, train_loss: 0.6840, step time: 1.0443
    Batch 36/248, train_loss: 0.9853, step time: 1.0522
    Batch 37/248, train_loss: 0.7334, step time: 1.0330
    Batch 38/248, train_loss: 0.7541, step time: 1.0272
    Batch 39/248, train_loss: 0.7366, step time: 1.0238
    Batch 40/248, train_loss: 0.9998, step time: 1.0412
    Batch 41/248, train_loss: 0.7219, step time: 1.0360
    Batch 42/248, train_loss: 0.6862, step time: 1.0392
    Batch 43/248, train_loss: 0.6683, step time: 1.0554
    Batch 44/248, train_loss: 0.7258, step time: 1.0520
    Batch 45/248, train_loss: 0.8729, step time: 1.0534
    Batch 46/248, train_loss: 0.7312, step time: 1.0417
    Batch 47/248, train_loss: 0.6930, step time: 1.0444
    Batch 48/248, train_loss: 0.7545, step time: 1.0310
    Batch 49/248, train_loss: 0.8074, step time: 1.0321
    Batch 50/248, train_loss: 0.7142, step time: 1.0489
    Batch 51/248, train_loss: 0.7281, step time: 1.0303
    Batch 52/248, train_loss: 0.7115, step time: 1.0268
    Batch 53/248, train_loss: 0.7979, step time: 1.0369
    Batch 54/248, train_loss: 0.7497, step time: 1.0283
    Batch 55/248, train_loss: 0.7567, step time: 1.0434
    Batch 56/248, train_loss: 0.7550, step time: 1.0385
    Batch 57/248, train_loss: 0.7465, step time: 1.0393
    Batch 58/248, train_loss: 0.6855, step time: 1.0451
    Batch 59/248, train_loss: 0.6912, step time: 1.0271
    Batch 60/248, train_loss: 0.6744, step time: 1.0416
    Batch 61/248, train_loss: 0.6900, step time: 1.0356
    Batch 62/248, train_loss: 0.7766, step time: 1.0361
    Batch 63/248, train_loss: 0.8519, step time: 1.0440
    Batch 64/248, train_loss: 0.8449, step time: 1.0352
    Batch 65/248, train_loss: 0.7480, step time: 1.0388
    Batch 66/248, train_loss: 0.7326, step time: 1.0495
    Batch 67/248, train_loss: 0.6649, step time: 1.0421
    Batch 68/248, train_loss: 0.6983, step time: 1.0265
    Batch 69/248, train_loss: 0.8430, step time: 1.0311
    Batch 70/248, train_loss: 0.7113, step time: 1.0377
    Batch 71/248, train_loss: 0.7113, step time: 1.0324
    Batch 72/248, train_loss: 0.6737, step time: 1.0430
    Batch 73/248, train_loss: 0.7572, step time: 1.0240
    Batch 74/248, train_loss: 0.9994, step time: 1.0236
    Batch 75/248, train_loss: 0.6947, step time: 1.0466
```

Batch 76/248, train_loss: 0.8550, step time: 1.0476
Batch 77/248, train_loss: 0.9417, step time: 1.0275
Batch 78/248, train_loss: 0.7171, step time: 1.0270
Batch 79/248, train_loss: 0.7065, step time: 1.0339
Batch 80/248, train_loss: 0.7605, step time: 1.0359
Batch 81/248, train_loss: 0.7351, step time: 1.0480
Batch 82/248, train_loss: 0.6852, step time: 1.0485
Batch 83/248, train_loss: 0.8777, step time: 1.0303
Batch 84/248, train_loss: 0.7389, step time: 1.0444
Batch 85/248, train_loss: 0.8273, step time: 1.0412
Batch 86/248, train_loss: 0.8063, step time: 1.0317
Batch 87/248, train_loss: 0.8803, step time: 1.0432
Batch 88/248, train_loss: 0.7957, step time: 1.0298
Batch 89/248, train_loss: 0.6562, step time: 1.0522
Batch 90/248, train_loss: 0.8695, step time: 1.0507
Batch 91/248, train_loss: 0.7965, step time: 1.0478
Batch 92/248, train_loss: 0.8481, step time: 1.0313
Batch 93/248, train_loss: 0.7132, step time: 1.0284
Batch 94/248, train_loss: 0.7455, step time: 1.0510
Batch 95/248, train_loss: 0.7172, step time: 1.0406
Batch 96/248, train_loss: 0.7152, step time: 1.0527
Batch 97/248, train_loss: 0.8955, step time: 1.0499
Batch 98/248, train_loss: 0.6814, step time: 1.0278
Batch 99/248, train_loss: 0.7997, step time: 1.0425
Batch 100/248, train_loss: 0.7663, step time: 1.0351
Batch 101/248, train_loss: 0.6413, step time: 1.0328
Batch 102/248, train_loss: 0.7032, step time: 1.0445
Batch 103/248, train_loss: 0.8184, step time: 1.0449
Batch 104/248, train_loss: 0.7472, step time: 1.0326
Batch 105/248, train_loss: 0.6762, step time: 1.0320
Batch 106/248, train_loss: 0.7139, step time: 1.0259
Batch 107/248, train_loss: 0.9253, step time: 1.0387
Batch 108/248, train_loss: 0.8567, step time: 1.0444
Batch 109/248, train_loss: 0.9714, step time: 1.0279
Batch 110/248, train_loss: 0.9896, step time: 1.0374
Batch 111/248, train_loss: 0.6891, step time: 1.0414
Batch 112/248, train_loss: 0.7007, step time: 1.0332
Batch 113/248, train_loss: 0.9979, step time: 1.0529
Batch 114/248, train_loss: 0.6848, step time: 1.0390
Batch 115/248, train_loss: 0.7336, step time: 1.0351
Batch 116/248, train_loss: 0.6846, step time: 1.0426
Batch 117/248, train_loss: 0.9953, step time: 1.0443
Batch 118/248, train_loss: 0.8452, step time: 1.0319
Batch 119/248, train_loss: 0.7437, step time: 1.0436
Batch 120/248, train_loss: 0.7647, step time: 1.0288
Batch 121/248, train_loss: 0.7505, step time: 1.0571
Batch 122/248, train_loss: 0.8961, step time: 1.4331
Batch 123/248, train_loss: 0.6912, step time: 1.0288
Batch 124/248, train_loss: 0.7577, step time: 1.0487
Batch 125/248, train_loss: 0.8212, step time: 1.0271
Batch 126/248, train_loss: 0.7380, step time: 1.0353
Batch 127/248, train_loss: 0.7100, step time: 1.0262
Batch 128/248, train_loss: 0.8827, step time: 1.0268
Batch 129/248, train_loss: 0.6708, step time: 1.0411
Batch 130/248, train_loss: 0.6796, step time: 1.0463
Batch 131/248, train_loss: 0.8117, step time: 1.0471
Batch 132/248, train_loss: 0.7226, step time: 1.0515
Batch 133/248, train_loss: 0.6744, step time: 1.0536
Batch 134/248, train_loss: 0.9355, step time: 1.0454
Batch 135/248, train_loss: 0.7313, step time: 1.0533
Batch 136/248, train_loss: 0.7119, step time: 1.0298
Batch 137/248, train_loss: 0.6962, step time: 1.0389
Batch 138/248, train_loss: 0.6724, step time: 1.0486
Batch 139/248, train_loss: 0.7173, step time: 1.0442
Batch 140/248, train_loss: 0.7477, step time: 1.0274
Batch 141/248, train_loss: 0.7220, step time: 1.0373
Batch 142/248, train_loss: 0.9394, step time: 1.0383
Batch 143/248, train_loss: 0.7511, step time: 1.0368
Batch 144/248, train_loss: 0.7004, step time: 1.0325
Batch 145/248, train_loss: 0.6395, step time: 1.0321
Batch 146/248, train_loss: 0.9872, step time: 1.0543
Batch 147/248, train_loss: 0.6323, step time: 1.0439
Batch 148/248, train_loss: 0.9511, step time: 1.0517
Batch 149/248, train_loss: 0.7110, step time: 1.0456
Batch 150/248, train_loss: 0.8671, step time: 1.0356
Batch 151/248, train_loss: 0.7876, step time: 1.0294
Batch 152/248, train_loss: 0.6346, step time: 1.0318
Batch 153/248, train_loss: 0.7816, step time: 1.0416
Batch 154/248, train_loss: 0.7893, step time: 1.0460
Batch 155/248, train_loss: 0.7044, step time: 1.0282
Batch 156/248, train_loss: 0.7386, step time: 1.0440
Batch 157/248, train_loss: 0.7895, step time: 1.0439
Batch 158/248, train_loss: 0.9982, step time: 1.0409
Batch 159/248, train_loss: 0.8975, step time: 1.0344
Batch 160/248, train_loss: 0.6904, step time: 1.0348

Batch 161/248, train_loss: 0.6939, step time: 1.0256
Batch 162/248, train_loss: 0.6408, step time: 1.0274
Batch 163/248, train_loss: 0.7108, step time: 1.0412
Batch 164/248, train_loss: 0.7444, step time: 1.0268
Batch 165/248, train_loss: 0.9434, step time: 1.0253
Batch 166/248, train_loss: 0.6986, step time: 1.0288
Batch 167/248, train_loss: 0.7177, step time: 1.0289
Batch 168/248, train_loss: 0.7271, step time: 1.0348
Batch 169/248, train_loss: 0.6856, step time: 1.0280
Batch 170/248, train_loss: 0.9240, step time: 1.0268
Batch 171/248, train_loss: 0.6696, step time: 1.0358
Batch 172/248, train_loss: 0.9853, step time: 1.0289
Batch 173/248, train_loss: 0.6780, step time: 1.0448
Batch 174/248, train_loss: 0.9989, step time: 1.0273
Batch 175/248, train_loss: 0.7077, step time: 1.0397
Batch 176/248, train_loss: 0.8041, step time: 1.0513
Batch 177/248, train_loss: 0.9773, step time: 1.0469
Batch 178/248, train_loss: 0.7323, step time: 1.0429
Batch 179/248, train_loss: 0.6380, step time: 1.0441
Batch 180/248, train_loss: 0.8175, step time: 1.0258
Batch 181/248, train_loss: 0.6763, step time: 1.0380
Batch 182/248, train_loss: 0.9662, step time: 1.0382
Batch 183/248, train_loss: 0.6892, step time: 1.0339
Batch 184/248, train_loss: 0.8426, step time: 1.0484
Batch 185/248, train_loss: 0.7105, step time: 1.0350
Batch 186/248, train_loss: 0.6981, step time: 1.0284
Batch 187/248, train_loss: 0.7119, step time: 1.0486
Batch 188/248, train_loss: 0.7375, step time: 1.0518
Batch 189/248, train_loss: 0.9032, step time: 1.0470
Batch 190/248, train_loss: 0.7126, step time: 1.0501
Batch 191/248, train_loss: 0.8443, step time: 1.0249
Batch 192/248, train_loss: 0.7325, step time: 1.0360
Batch 193/248, train_loss: 0.7476, step time: 1.0474
Batch 194/248, train_loss: 0.7007, step time: 1.0557
Batch 195/248, train_loss: 0.8377, step time: 1.0313
Batch 196/248, train_loss: 1.0000, step time: 1.0297
Batch 197/248, train_loss: 0.7515, step time: 1.0316
Batch 198/248, train_loss: 0.9996, step time: 1.0314
Batch 199/248, train_loss: 0.7294, step time: 1.0316
Batch 200/248, train_loss: 0.7094, step time: 1.0557
Batch 201/248, train_loss: 0.7064, step time: 1.0403
Batch 202/248, train_loss: 0.7911, step time: 1.0389
Batch 203/248, train_loss: 0.8960, step time: 1.0453
Batch 204/248, train_loss: 0.6713, step time: 1.0481
Batch 205/248, train_loss: 0.7739, step time: 1.0533
Batch 206/248, train_loss: 0.7980, step time: 1.0522
Batch 207/248, train_loss: 0.6880, step time: 1.0433
Batch 208/248, train_loss: 0.7261, step time: 1.0331
Batch 209/248, train_loss: 0.7067, step time: 1.0433
Batch 210/248, train_loss: 0.6738, step time: 1.0439
Batch 211/248, train_loss: 0.6779, step time: 1.0296
Batch 212/248, train_loss: 0.7484, step time: 1.0379
Batch 213/248, train_loss: 0.7115, step time: 1.0410
Batch 214/248, train_loss: 0.6849, step time: 1.0306
Batch 215/248, train_loss: 0.8187, step time: 1.0502
Batch 216/248, train_loss: 0.7214, step time: 1.0498
Batch 217/248, train_loss: 0.7855, step time: 1.0357
Batch 218/248, train_loss: 0.9984, step time: 1.0452
Batch 219/248, train_loss: 0.6927, step time: 1.0503
Batch 220/248, train_loss: 0.7760, step time: 1.0345
Batch 221/248, train_loss: 0.7770, step time: 1.0396
Batch 222/248, train_loss: 0.7388, step time: 1.0536
Batch 223/248, train_loss: 0.6565, step time: 1.0255
Batch 224/248, train_loss: 0.6855, step time: 1.0558
Batch 225/248, train_loss: 0.7444, step time: 1.0425
Batch 226/248, train_loss: 0.7270, step time: 1.0419
Batch 227/248, train_loss: 0.6874, step time: 1.0267
Batch 228/248, train_loss: 0.7288, step time: 1.0433
Batch 229/248, train_loss: 0.6753, step time: 1.0555
Batch 230/248, train_loss: 0.6905, step time: 1.0282
Batch 231/248, train_loss: 0.9951, step time: 1.0321
Batch 232/248, train_loss: 0.6808, step time: 1.0420
Batch 233/248, train_loss: 0.9936, step time: 1.0354
Batch 234/248, train_loss: 0.8544, step time: 1.0272
Batch 235/248, train_loss: 0.7810, step time: 1.0445
Batch 236/248, train_loss: 0.9848, step time: 1.0432
Batch 237/248, train_loss: 0.7004, step time: 1.0287
Batch 238/248, train_loss: 0.6938, step time: 1.0520
Batch 239/248, train_loss: 0.6160, step time: 1.0305
Batch 240/248, train_loss: 0.7856, step time: 1.0372
Batch 241/248, train_loss: 0.9963, step time: 1.0421
Batch 242/248, train_loss: 0.7132, step time: 1.0559
Batch 243/248, train_loss: 0.9171, step time: 1.0338
Batch 244/248, train_loss: 0.8213, step time: 1.0618
Batch 245/248, train_loss: 0.6787, step time: 1.0367

```
Batch 245/248, train_loss: 0.8805, step time: 1.0531  
Batch 246/248, train_loss: 0.8805, step time: 1.0531  
Batch 247/248, train_loss: 0.6419, step time: 1.0318  
Batch 248/248, train_loss: 0.9999, step time: 1.0517
```

Labels



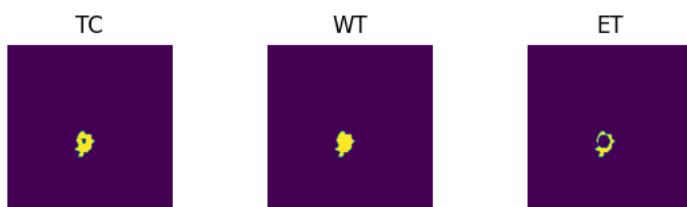
Predictions



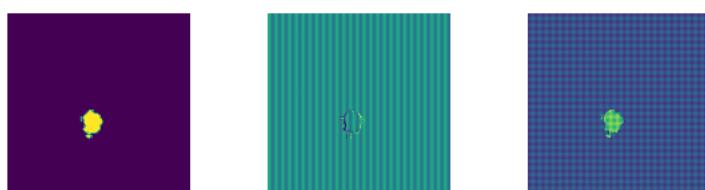
VAL

```
Batch 1/31, val_loss: 0.9330  
Batch 2/31, val_loss: 0.9488  
Batch 3/31, val_loss: 0.9858  
Batch 4/31, val_loss: 0.9750  
Batch 5/31, val_loss: 0.9937  
Batch 6/31, val_loss: 0.8262  
Batch 7/31, val_loss: 0.9162  
Batch 8/31, val_loss: 0.9886  
Batch 9/31, val_loss: 0.8288  
Batch 10/31, val_loss: 0.9695  
Batch 11/31, val_loss: 0.8989  
Batch 12/31, val_loss: 0.9840  
Batch 13/31, val_loss: 0.9831  
Batch 14/31, val_loss: 0.9770  
Batch 15/31, val_loss: 0.9962  
Batch 16/31, val_loss: 0.9811  
Batch 17/31, val_loss: 0.9879  
Batch 18/31, val_loss: 0.9722  
Batch 19/31, val_loss: 0.8770  
Batch 20/31, val_loss: 0.9465  
Batch 21/31, val_loss: 0.9444  
Batch 22/31, val_loss: 0.9938  
Batch 23/31, val_loss: 0.9903  
Batch 24/31, val_loss: 0.8365  
Batch 25/31, val_loss: 0.8905  
Batch 26/31, val_loss: 0.9550  
Batch 27/31, val_loss: 0.9951  
Batch 28/31, val_loss: 0.8722  
Batch 29/31, val_loss: 0.9927  
Batch 30/31, val_loss: 0.9934  
Batch 31/31, val_loss: 0.9847
```

Labels



Predictions



epoch 18

```
average train loss: 0.7713  
average validation loss: 0.9490
```

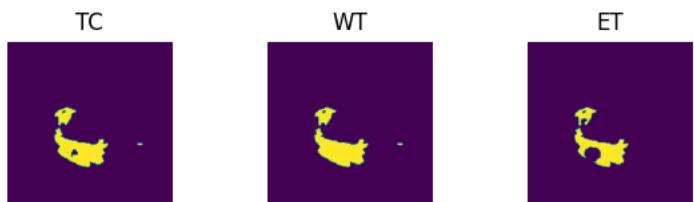
```
saved as best model: False
current mean dice: 0.1656
current TC dice: 0.4701
current WT dice: 0.0094
current ET dice: 0.0179
Best Mean Metric: 0.1684
time consuming of epoch 18 is: 1619.4577
-----
epoch 19/100
TRAIN
    Batch 1/248, train_loss: 0.6629, step time: 1.0508
    Batch 2/248, train_loss: 0.8951, step time: 1.0464
    Batch 3/248, train_loss: 0.7978, step time: 1.0379
    Batch 4/248, train_loss: 0.9992, step time: 1.0498
    Batch 5/248, train_loss: 0.7360, step time: 1.0328
    Batch 6/248, train_loss: 0.8432, step time: 1.0523
    Batch 7/248, train_loss: 0.6431, step time: 1.0256
    Batch 8/248, train_loss: 0.9167, step time: 1.0475
    Batch 9/248, train_loss: 0.6558, step time: 1.0347
    Batch 10/248, train_loss: 0.7644, step time: 1.0309
    Batch 11/248, train_loss: 0.7185, step time: 1.0539
    Batch 12/248, train_loss: 0.8052, step time: 1.0283
    Batch 13/248, train_loss: 0.7751, step time: 1.0419
    Batch 14/248, train_loss: 0.6302, step time: 1.0465
    Batch 15/248, train_loss: 0.7990, step time: 1.0448
    Batch 16/248, train_loss: 0.7078, step time: 1.0321
    Batch 17/248, train_loss: 0.7660, step time: 1.0405
    Batch 18/248, train_loss: 0.7757, step time: 1.0489
    Batch 19/248, train_loss: 0.6928, step time: 1.0460
    Batch 20/248, train_loss: 0.7422, step time: 1.0503
    Batch 21/248, train_loss: 0.6887, step time: 1.0552
    Batch 22/248, train_loss: 0.9994, step time: 1.0449
    Batch 23/248, train_loss: 0.9995, step time: 1.0352
    Batch 24/248, train_loss: 0.6906, step time: 1.0433
    Batch 25/248, train_loss: 0.6410, step time: 1.0462
    Batch 26/248, train_loss: 0.8513, step time: 1.0365
    Batch 27/248, train_loss: 0.6689, step time: 1.0310
    Batch 28/248, train_loss: 0.7288, step time: 1.0324
    Batch 29/248, train_loss: 0.8095, step time: 1.0280
    Batch 30/248, train_loss: 0.7907, step time: 1.0465
    Batch 31/248, train_loss: 0.7879, step time: 1.0387
    Batch 32/248, train_loss: 0.6892, step time: 1.0305
    Batch 33/248, train_loss: 0.6600, step time: 1.0240
    Batch 34/248, train_loss: 0.6618, step time: 1.0317
    Batch 35/248, train_loss: 0.6828, step time: 1.0430
    Batch 36/248, train_loss: 0.9986, step time: 1.0309
    Batch 37/248, train_loss: 0.7342, step time: 1.0413
    Batch 38/248, train_loss: 0.7674, step time: 1.0328
    Batch 39/248, train_loss: 0.7249, step time: 1.0298
    Batch 40/248, train_loss: 0.9994, step time: 1.0528
    Batch 41/248, train_loss: 0.7300, step time: 1.0380
    Batch 42/248, train_loss: 0.6893, step time: 1.0336
    Batch 43/248, train_loss: 0.6609, step time: 1.0395
    Batch 44/248, train_loss: 0.7753, step time: 1.0422
    Batch 45/248, train_loss: 0.8692, step time: 1.0561
    Batch 46/248, train_loss: 0.7155, step time: 1.0593
    Batch 47/248, train_loss: 0.6874, step time: 1.0369
    Batch 48/248, train_loss: 0.7600, step time: 1.0293
    Batch 49/248, train_loss: 0.7922, step time: 1.0414
    Batch 50/248, train_loss: 0.7112, step time: 1.0572
    Batch 51/248, train_loss: 0.7418, step time: 1.0282
    Batch 52/248, train_loss: 0.7059, step time: 1.0381
    Batch 53/248, train_loss: 0.7956, step time: 1.0368
    Batch 54/248, train_loss: 0.7558, step time: 1.0305
    Batch 55/248, train_loss: 0.7506, step time: 1.0326
    Batch 56/248, train_loss: 0.7346, step time: 1.0502
    Batch 57/248, train_loss: 0.7443, step time: 1.0347
    Batch 58/248, train_loss: 0.6882, step time: 1.0493
    Batch 59/248, train_loss: 0.6879, step time: 1.0566
    Batch 60/248, train_loss: 0.6736, step time: 1.0417
    Batch 61/248, train_loss: 0.6913, step time: 1.0376
    Batch 62/248, train_loss: 0.7694, step time: 1.0393
    Batch 63/248, train_loss: 0.8664, step time: 1.0259
    Batch 64/248, train_loss: 0.8694, step time: 1.0472
    Batch 65/248, train_loss: 0.7472, step time: 1.0314
    Batch 66/248, train_loss: 0.7381, step time: 1.0303
    Batch 67/248, train_loss: 0.6649, step time: 1.0290
    Batch 68/248, train_loss: 0.6894, step time: 1.0462
    Batch 69/248, train_loss: 0.9975, step time: 1.0450
    Batch 70/248, train_loss: 0.7097, step time: 1.0506
    Batch 71/248, train_loss: 0.7178, step time: 1.0329
    Batch 72/248, train_loss: 0.6743, step time: 1.0405
    Batch 73/248, train_loss: 0.9638, step time: 1.0235
    Batch 74/248, train_loss: 0.9983, step time: 1.0381
    Batch 75/248, train loss: 0.7014, step time: 1.0246
```

Batch 76/248, train_loss: 0.8375, step time: 1.0328
Batch 77/248, train_loss: 0.9333, step time: 1.0526
Batch 78/248, train_loss: 0.7061, step time: 1.0423
Batch 79/248, train_loss: 0.7294, step time: 1.0540
Batch 80/248, train_loss: 0.7539, step time: 1.0320
Batch 81/248, train_loss: 0.7344, step time: 1.0518
Batch 82/248, train_loss: 0.6859, step time: 1.0469
Batch 83/248, train_loss: 0.8779, step time: 1.0288
Batch 84/248, train_loss: 0.7391, step time: 1.0267
Batch 85/248, train_loss: 0.8055, step time: 1.0276
Batch 86/248, train_loss: 0.7360, step time: 1.0257
Batch 87/248, train_loss: 0.8864, step time: 1.0277
Batch 88/248, train_loss: 0.7771, step time: 1.0319
Batch 89/248, train_loss: 0.6538, step time: 1.0281
Batch 90/248, train_loss: 0.7875, step time: 1.0566
Batch 91/248, train_loss: 0.8385, step time: 1.0500
Batch 92/248, train_loss: 0.8132, step time: 1.0308
Batch 93/248, train_loss: 0.7167, step time: 1.0264
Batch 94/248, train_loss: 0.8061, step time: 1.0561
Batch 95/248, train_loss: 0.7198, step time: 1.0301
Batch 96/248, train_loss: 0.7181, step time: 1.0483
Batch 97/248, train_loss: 0.9002, step time: 1.0339
Batch 98/248, train_loss: 0.6822, step time: 1.0243
Batch 99/248, train_loss: 0.7853, step time: 1.0419
Batch 100/248, train_loss: 0.7649, step time: 1.0327
Batch 101/248, train_loss: 0.6441, step time: 1.0356
Batch 102/248, train_loss: 0.7098, step time: 1.0413
Batch 103/248, train_loss: 0.7737, step time: 1.0426
Batch 104/248, train_loss: 0.7447, step time: 1.0322
Batch 105/248, train_loss: 0.6832, step time: 1.0407
Batch 106/248, train_loss: 0.7095, step time: 1.0436
Batch 107/248, train_loss: 0.7485, step time: 1.0498
Batch 108/248, train_loss: 0.8416, step time: 1.0324
Batch 109/248, train_loss: 0.9486, step time: 1.0281
Batch 110/248, train_loss: 0.8439, step time: 1.0325
Batch 111/248, train_loss: 0.6915, step time: 1.0447
Batch 112/248, train_loss: 0.6913, step time: 1.0454
Batch 113/248, train_loss: 0.9951, step time: 1.0470
Batch 114/248, train_loss: 0.6839, step time: 1.0415
Batch 115/248, train_loss: 0.7242, step time: 1.0361
Batch 116/248, train_loss: 0.6811, step time: 1.0325
Batch 117/248, train_loss: 0.9985, step time: 1.0328
Batch 118/248, train_loss: 0.8421, step time: 1.0453
Batch 119/248, train_loss: 0.7469, step time: 1.0365
Batch 120/248, train_loss: 0.7651, step time: 1.0299
Batch 121/248, train_loss: 0.7452, step time: 1.0405
Batch 122/248, train_loss: 0.8685, step time: 1.0340
Batch 123/248, train_loss: 0.6873, step time: 1.0397
Batch 124/248, train_loss: 0.8287, step time: 1.0410
Batch 125/248, train_loss: 0.8348, step time: 1.0280
Batch 126/248, train_loss: 0.7274, step time: 1.0268
Batch 127/248, train_loss: 0.7084, step time: 1.0424
Batch 128/248, train_loss: 0.8869, step time: 1.0351
Batch 129/248, train_loss: 0.6678, step time: 1.0402
Batch 130/248, train_loss: 0.6761, step time: 1.0459
Batch 131/248, train_loss: 0.8893, step time: 1.0340
Batch 132/248, train_loss: 0.7212, step time: 1.0415
Batch 133/248, train_loss: 0.6550, step time: 1.0360
Batch 134/248, train_loss: 0.9170, step time: 1.0426
Batch 135/248, train_loss: 0.8114, step time: 1.0372
Batch 136/248, train_loss: 0.7575, step time: 1.0456
Batch 137/248, train_loss: 0.6830, step time: 1.0397
Batch 138/248, train_loss: 0.6720, step time: 1.0403
Batch 139/248, train_loss: 0.7121, step time: 1.0590
Batch 140/248, train_loss: 0.7381, step time: 1.0470
Batch 141/248, train_loss: 0.7275, step time: 1.0497
Batch 142/248, train_loss: 0.9476, step time: 1.0435
Batch 143/248, train_loss: 0.7602, step time: 1.0272
Batch 144/248, train_loss: 0.6985, step time: 1.0454
Batch 145/248, train_loss: 0.6490, step time: 1.0369
Batch 146/248, train_loss: 0.9885, step time: 1.0315
Batch 147/248, train_loss: 0.6331, step time: 1.0360
Batch 148/248, train_loss: 0.9462, step time: 1.0426
Batch 149/248, train_loss: 0.7077, step time: 1.0256
Batch 150/248, train_loss: 0.8738, step time: 1.0434
Batch 151/248, train_loss: 0.7940, step time: 1.0324
Batch 152/248, train_loss: 0.6322, step time: 1.0283
Batch 153/248, train_loss: 0.7656, step time: 1.0414
Batch 154/248, train_loss: 0.8444, step time: 1.0523
Batch 155/248, train_loss: 0.7037, step time: 1.0381
Batch 156/248, train_loss: 0.7737, step time: 1.0457
Batch 157/248, train_loss: 0.7863, step time: 1.0352
Batch 158/248, train_loss: 0.9972, step time: 1.0371
Batch 159/248, train_loss: 0.8264, step time: 1.0354
Batch 160/248, train_loss: 0.6951, step time: 1.0212

Batch 100/248, train_loss: 0.0054, step time: 1.0549
Batch 101/248, train_loss: 0.6869, step time: 1.0551
Batch 102/248, train_loss: 0.6734, step time: 1.0432
Batch 103/248, train_loss: 0.7093, step time: 1.0267
Batch 104/248, train_loss: 0.7656, step time: 1.0444
Batch 105/248, train_loss: 0.9576, step time: 1.0264
Batch 106/248, train_loss: 0.7107, step time: 1.0409
Batch 107/248, train_loss: 0.7247, step time: 1.0397
Batch 108/248, train_loss: 0.7222, step time: 1.0494
Batch 109/248, train_loss: 0.6886, step time: 1.0287
Batch 110/248, train_loss: 0.9367, step time: 1.0514
Batch 111/248, train_loss: 0.6697, step time: 1.0474
Batch 112/248, train_loss: 0.9392, step time: 1.0444
Batch 113/248, train_loss: 0.6797, step time: 1.0448
Batch 114/248, train_loss: 0.8792, step time: 1.0437
Batch 115/248, train_loss: 0.7115, step time: 1.0512
Batch 116/248, train_loss: 0.8103, step time: 1.0323
Batch 117/248, train_loss: 0.7741, step time: 1.0522
Batch 118/248, train_loss: 0.8079, step time: 1.0362
Batch 119/248, train_loss: 0.6358, step time: 1.0435
Batch 120/248, train_loss: 0.7849, step time: 1.0380
Batch 121/248, train_loss: 0.6762, step time: 1.0382
Batch 122/248, train_loss: 0.9722, step time: 1.0460
Batch 123/248, train_loss: 0.6974, step time: 1.0484
Batch 124/248, train_loss: 0.8458, step time: 1.0379
Batch 125/248, train_loss: 0.7137, step time: 1.0307
Batch 126/248, train_loss: 0.7219, step time: 1.0342
Batch 127/248, train_loss: 0.7228, step time: 1.0272
Batch 128/248, train_loss: 0.7301, step time: 1.0312
Batch 129/248, train_loss: 0.9136, step time: 1.0371
Batch 130/248, train_loss: 0.7145, step time: 1.0407
Batch 131/248, train_loss: 0.8770, step time: 1.0438
Batch 132/248, train_loss: 0.7301, step time: 1.0537
Batch 133/248, train_loss: 0.7987, step time: 1.0482
Batch 134/248, train_loss: 0.7011, step time: 1.0306
Batch 135/248, train_loss: 0.8210, step time: 1.0410
Batch 136/248, train_loss: 1.0000, step time: 1.0246
Batch 137/248, train_loss: 0.7556, step time: 1.0435
Batch 138/248, train_loss: 0.9999, step time: 1.0294
Batch 139/248, train_loss: 0.7259, step time: 1.0393
Batch 140/248, train_loss: 0.7095, step time: 1.0259
Batch 141/248, train_loss: 0.7032, step time: 1.0329
Batch 142/248, train_loss: 0.8051, step time: 1.0435
Batch 143/248, train_loss: 0.8635, step time: 1.0519
Batch 144/248, train_loss: 0.6780, step time: 1.0360
Batch 145/248, train_loss: 0.7686, step time: 1.0356
Batch 146/248, train_loss: 0.7756, step time: 1.0297
Batch 147/248, train_loss: 0.6891, step time: 1.0319
Batch 148/248, train_loss: 0.7349, step time: 1.0562
Batch 149/248, train_loss: 0.7108, step time: 1.0368
Batch 150/248, train_loss: 0.6757, step time: 1.0530
Batch 151/248, train_loss: 0.6772, step time: 1.0536
Batch 152/248, train_loss: 0.7360, step time: 1.0402
Batch 153/248, train_loss: 0.7085, step time: 1.0366
Batch 154/248, train_loss: 0.6842, step time: 1.0282
Batch 155/248, train_loss: 0.7897, step time: 1.0379
Batch 156/248, train_loss: 0.7222, step time: 1.0273
Batch 157/248, train_loss: 0.7735, step time: 1.0340
Batch 158/248, train_loss: 0.9986, step time: 1.0424
Batch 159/248, train_loss: 0.6933, step time: 1.0287
Batch 160/248, train_loss: 0.7690, step time: 1.0439
Batch 161/248, train_loss: 0.7900, step time: 1.0272
Batch 162/248, train_loss: 0.7354, step time: 1.0424
Batch 163/248, train_loss: 0.6569, step time: 1.0463
Batch 164/248, train_loss: 0.6837, step time: 1.0410
Batch 165/248, train_loss: 0.7479, step time: 1.0473
Batch 166/248, train_loss: 0.7237, step time: 1.0410
Batch 167/248, train_loss: 0.6859, step time: 1.0329
Batch 168/248, train_loss: 0.7293, step time: 1.0275
Batch 169/248, train_loss: 0.6752, step time: 1.0431
Batch 170/248, train_loss: 0.6848, step time: 1.0402
Batch 171/248, train_loss: 0.9918, step time: 1.0315
Batch 172/248, train_loss: 0.6837, step time: 1.0542
Batch 173/248, train_loss: 0.9997, step time: 1.0496
Batch 174/248, train_loss: 0.8499, step time: 1.0411
Batch 175/248, train_loss: 0.8083, step time: 1.0278
Batch 176/248, train_loss: 0.9823, step time: 1.0362
Batch 177/248, train_loss: 0.7001, step time: 1.0253
Batch 178/248, train_loss: 0.7015, step time: 1.0442
Batch 179/248, train_loss: 0.6130, step time: 1.0384
Batch 180/248, train_loss: 0.7842, step time: 1.0501
Batch 181/248, train_loss: 0.9991, step time: 1.0315
Batch 182/248, train_loss: 0.7171, step time: 1.0312
Batch 183/248, train_loss: 0.8880, step time: 1.0508
Batch 184/248, train_loss: 0.8226, step time: 1.0409
... - - - - -

```
Batch 245/248, train_loss: 0.6794, step time: 1.0542  
Batch 246/248, train_loss: 0.9053, step time: 1.0527  
Batch 247/248, train_loss: 0.6429, step time: 1.0484  
Batch 248/248, train_loss: 1.0000, step time: 1.0293
```

Labels



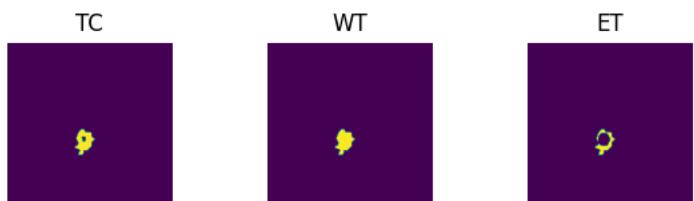
Predictions



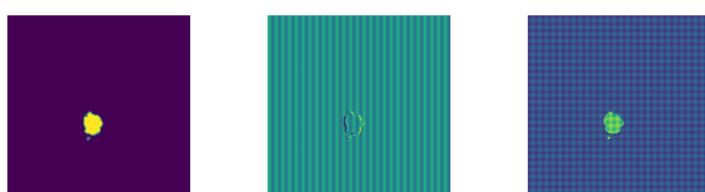
VAL

```
Batch 1/31, val_loss: 0.9142  
Batch 2/31, val_loss: 0.9027  
Batch 3/31, val_loss: 0.9720  
Batch 4/31, val_loss: 0.9603  
Batch 5/31, val_loss: 0.9710  
Batch 6/31, val_loss: 0.8149  
Batch 7/31, val_loss: 0.9069  
Batch 8/31, val_loss: 0.9778  
Batch 9/31, val_loss: 0.8083  
Batch 10/31, val_loss: 0.9604  
Batch 11/31, val_loss: 0.8665  
Batch 12/31, val_loss: 0.9688  
Batch 13/31, val_loss: 0.9561  
Batch 14/31, val_loss: 0.9616  
Batch 15/31, val_loss: 0.9818  
Batch 16/31, val_loss: 0.9465  
Batch 17/31, val_loss: 0.9762  
Batch 18/31, val_loss: 0.9597  
Batch 19/31, val_loss: 0.8659  
Batch 20/31, val_loss: 0.9353  
Batch 21/31, val_loss: 0.9309  
Batch 22/31, val_loss: 0.9797  
Batch 23/31, val_loss: 0.9794  
Batch 24/31, val_loss: 0.8181  
Batch 25/31, val_loss: 0.8599  
Batch 26/31, val_loss: 0.9182  
Batch 27/31, val_loss: 0.9793  
Batch 28/31, val_loss: 0.8619  
Batch 29/31, val_loss: 0.9861  
Batch 30/31, val_loss: 0.9766  
Batch 31/31, val_loss: 0.9735
```

Labels



Predictions



epoch 19

```
average train loss: 0.7705  
average validation loss: 0.9313
```

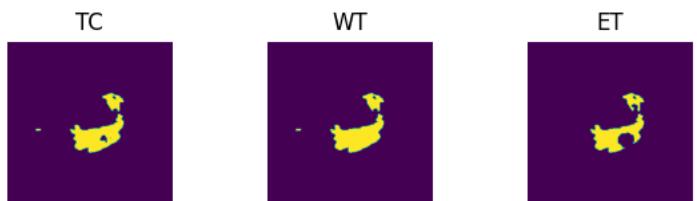
```
-----  
saved as best model: False  
current mean dice: 0.1590  
current TC dice: 0.4502  
current WT dice: 0.0094  
current ET dice: 0.0180  
Best Mean Metric: 0.1684  
time consuming of epoch 19 is: 1604.2438  
-----  
epoch 20/100  
TRAIN  
Batch 1/248, train_loss: 0.6661, step time: 1.0529  
Batch 2/248, train_loss: 0.9626, step time: 1.0537  
Batch 3/248, train_loss: 0.8164, step time: 1.0663  
Batch 4/248, train_loss: 0.9963, step time: 1.0491  
Batch 5/248, train_loss: 0.7475, step time: 1.0503  
Batch 6/248, train_loss: 0.8538, step time: 1.0467  
Batch 7/248, train_loss: 0.6430, step time: 1.0690  
Batch 8/248, train_loss: 0.9112, step time: 1.0580  
Batch 9/248, train_loss: 0.6552, step time: 1.0681  
Batch 10/248, train_loss: 0.7824, step time: 1.0717  
Batch 11/248, train_loss: 0.7098, step time: 1.0416  
Batch 12/248, train_loss: 0.8308, step time: 1.0718  
Batch 13/248, train_loss: 0.7720, step time: 1.0442  
Batch 14/248, train_loss: 0.6301, step time: 1.0560  
Batch 15/248, train_loss: 0.7993, step time: 1.0583  
Batch 16/248, train_loss: 0.7186, step time: 1.0547  
Batch 17/248, train_loss: 0.7878, step time: 1.0618  
Batch 18/248, train_loss: 0.7888, step time: 1.0481  
Batch 19/248, train_loss: 0.6814, step time: 1.0684  
Batch 20/248, train_loss: 0.7560, step time: 1.0695  
Batch 21/248, train_loss: 0.6812, step time: 1.0478  
Batch 22/248, train_loss: 0.9998, step time: 1.0720  
Batch 23/248, train_loss: 0.9998, step time: 1.0631  
Batch 24/248, train_loss: 0.6910, step time: 1.0690  
Batch 25/248, train_loss: 0.6440, step time: 1.0617  
Batch 26/248, train_loss: 0.8325, step time: 1.0485  
Batch 27/248, train_loss: 0.6610, step time: 1.0479  
Batch 28/248, train_loss: 0.7303, step time: 1.0497  
Batch 29/248, train_loss: 0.8327, step time: 1.0572  
Batch 30/248, train_loss: 0.7399, step time: 1.0428  
Batch 31/248, train_loss: 0.8127, step time: 1.0644  
Batch 32/248, train_loss: 0.6874, step time: 1.0573  
Batch 33/248, train_loss: 0.6613, step time: 1.0510  
Batch 34/248, train_loss: 0.6613, step time: 1.0505  
Batch 35/248, train_loss: 0.6814, step time: 1.0625  
Batch 36/248, train_loss: 0.9984, step time: 1.0399  
Batch 37/248, train_loss: 0.7342, step time: 1.0590  
Batch 38/248, train_loss: 0.7640, step time: 1.0590  
Batch 39/248, train_loss: 0.7183, step time: 1.0548  
Batch 40/248, train_loss: 0.9996, step time: 1.0418  
Batch 41/248, train_loss: 0.7424, step time: 1.0569  
Batch 42/248, train_loss: 0.6873, step time: 1.0430  
Batch 43/248, train_loss: 0.6598, step time: 1.0396  
Batch 44/248, train_loss: 0.7550, step time: 1.0599  
Batch 45/248, train_loss: 0.8970, step time: 1.0640  
Batch 46/248, train_loss: 0.7174, step time: 1.0462  
Batch 47/248, train_loss: 0.6872, step time: 1.0678  
Batch 48/248, train_loss: 0.8539, step time: 1.0374  
Batch 49/248, train_loss: 0.8359, step time: 1.0556  
Batch 50/248, train_loss: 0.7117, step time: 1.0536  
Batch 51/248, train_loss: 0.7261, step time: 1.0401  
Batch 52/248, train_loss: 0.7080, step time: 1.0554  
Batch 53/248, train_loss: 0.8041, step time: 1.0429  
Batch 54/248, train_loss: 0.7503, step time: 1.0587  
Batch 55/248, train_loss: 0.7469, step time: 1.0571  
Batch 56/248, train_loss: 0.7487, step time: 1.0503  
Batch 57/248, train_loss: 0.7456, step time: 1.0729  
Batch 58/248, train_loss: 0.6867, step time: 1.0518  
Batch 59/248, train_loss: 0.6894, step time: 1.0423  
Batch 60/248, train_loss: 0.6743, step time: 1.0695  
Batch 61/248, train_loss: 0.6889, step time: 1.0453  
Batch 62/248, train_loss: 0.7651, step time: 1.0473  
Batch 63/248, train_loss: 0.8773, step time: 1.0506  
Batch 64/248, train_loss: 0.8105, step time: 1.0609  
Batch 65/248, train_loss: 0.7854, step time: 1.0492  
Batch 66/248, train_loss: 0.7179, step time: 1.0496  
Batch 67/248, train_loss: 0.6631, step time: 1.0633  
Batch 68/248, train_loss: 0.6913, step time: 1.0431  
Batch 69/248, train_loss: 0.9933, step time: 1.0541  
Batch 70/248, train_loss: 0.7088, step time: 1.0472  
Batch 71/248, train_loss: 0.6967, step time: 1.0493  
Batch 72/248, train_loss: 0.6724, step time: 1.0658  
Batch 73/248, train_loss: 0.7650, step time: 1.0419  
Batch 74/248, train_loss: 0.9996, step time: 1.0387  
Batch 75/248, train_loss: 0.6022, step time: 1.0447
```

Batch 1/248, train_loss: 0.0929, step time: 1.0447
Batch 2/248, train_loss: 0.8712, step time: 1.0554
Batch 3/248, train_loss: 0.9875, step time: 1.0588
Batch 4/248, train_loss: 0.7252, step time: 1.0678
Batch 5/248, train_loss: 0.7276, step time: 1.0513
Batch 6/248, train_loss: 0.7387, step time: 1.0652
Batch 7/248, train_loss: 0.7538, step time: 1.0615
Batch 8/248, train_loss: 0.6858, step time: 1.0625
Batch 9/248, train_loss: 0.8865, step time: 1.0485
Batch 10/248, train_loss: 0.7730, step time: 1.0482
Batch 11/248, train_loss: 0.7851, step time: 1.0489
Batch 12/248, train_loss: 0.7931, step time: 1.0410
Batch 13/248, train_loss: 0.8668, step time: 1.0746
Batch 14/248, train_loss: 0.8024, step time: 1.0505
Batch 15/248, train_loss: 0.6565, step time: 1.0607
Batch 16/248, train_loss: 0.8530, step time: 1.0634
Batch 17/248, train_loss: 0.7762, step time: 1.0413
Batch 18/248, train_loss: 0.8048, step time: 1.0650
Batch 19/248, train_loss: 0.7136, step time: 1.0539
Batch 20/248, train_loss: 0.7666, step time: 1.0485
Batch 21/248, train_loss: 0.7166, step time: 1.0636
Batch 22/248, train_loss: 0.7203, step time: 1.0561
Batch 23/248, train_loss: 0.9678, step time: 1.0743
Batch 24/248, train_loss: 0.6865, step time: 1.0547
Batch 25/248, train_loss: 0.7802, step time: 1.0473
Batch 26/248, train_loss: 0.7678, step time: 1.0582
Batch 27/248, train_loss: 0.6432, step time: 1.0681
Batch 28/248, train_loss: 0.7121, step time: 1.0671
Batch 29/248, train_loss: 0.8051, step time: 1.0464
Batch 30/248, train_loss: 0.7373, step time: 1.0409
Batch 31/248, train_loss: 0.6809, step time: 1.0507
Batch 32/248, train_loss: 0.7101, step time: 1.0473
Batch 33/248, train_loss: 0.7548, step time: 1.0424
Batch 34/248, train_loss: 0.8605, step time: 1.0711
Batch 35/248, train_loss: 0.9572, step time: 1.0500
Batch 36/248, train_loss: 0.8088, step time: 1.0475
Batch 37/248, train_loss: 0.6834, step time: 1.0497
Batch 38/248, train_loss: 0.6886, step time: 1.0608
Batch 39/248, train_loss: 0.9992, step time: 1.0440
Batch 40/248, train_loss: 0.6858, step time: 1.0674
Batch 41/248, train_loss: 0.7782, step time: 1.0504
Batch 42/248, train_loss: 0.6848, step time: 1.0415
Batch 43/248, train_loss: 0.9967, step time: 1.0577
Batch 44/248, train_loss: 0.9805, step time: 1.0478
Batch 45/248, train_loss: 0.7536, step time: 1.0570
Batch 46/248, train_loss: 0.7999, step time: 1.0419
Batch 47/248, train_loss: 0.7905, step time: 1.0446
Batch 48/248, train_loss: 0.8935, step time: 1.0448
Batch 49/248, train_loss: 0.6986, step time: 1.0461
Batch 50/248, train_loss: 0.9451, step time: 1.0568
Batch 51/248, train_loss: 0.8434, step time: 1.0468
Batch 52/248, train_loss: 0.7436, step time: 1.0686
Batch 53/248, train_loss: 0.6976, step time: 1.0437
Batch 54/248, train_loss: 0.8411, step time: 1.0663
Batch 55/248, train_loss: 0.6693, step time: 1.0486
Batch 56/248, train_loss: 0.6845, step time: 1.0542
Batch 57/248, train_loss: 0.7871, step time: 1.0502
Batch 58/248, train_loss: 0.7439, step time: 1.0525
Batch 59/248, train_loss: 0.6816, step time: 1.0553
Batch 60/248, train_loss: 0.9569, step time: 1.0675
Batch 61/248, train_loss: 0.7235, step time: 1.0539
Batch 62/248, train_loss: 0.7092, step time: 1.0667
Batch 63/248, train_loss: 0.6966, step time: 1.0542
Batch 64/248, train_loss: 0.6711, step time: 1.0449
Batch 65/248, train_loss: 0.7178, step time: 1.0516
Batch 66/248, train_loss: 0.7407, step time: 1.0635
Batch 67/248, train_loss: 0.7284, step time: 1.0501
Batch 68/248, train_loss: 0.8955, step time: 1.0679
Batch 69/248, train_loss: 0.7425, step time: 1.0420
Batch 70/248, train_loss: 0.7007, step time: 1.0615
Batch 71/248, train_loss: 0.6362, step time: 1.0348
Batch 72/248, train_loss: 0.9231, step time: 1.0582
Batch 73/248, train_loss: 0.6282, step time: 1.0524
Batch 74/248, train_loss: 0.9623, step time: 1.0689
Batch 75/248, train_loss: 0.7125, step time: 1.0470
Batch 76/248, train_loss: 0.8611, step time: 1.0522
Batch 77/248, train_loss: 0.7937, step time: 1.0471
Batch 78/248, train_loss: 0.6318, step time: 1.0677
Batch 79/248, train_loss: 0.7829, step time: 1.0474
Batch 80/248, train_loss: 0.8519, step time: 1.0720
Batch 81/248, train_loss: 0.7249, step time: 1.0520
Batch 82/248, train_loss: 0.7220, step time: 1.0722
Batch 83/248, train_loss: 0.7770, step time: 1.0622
Batch 84/248, train_loss: 0.9932, step time: 1.0483
Batch 85/248, train_loss: 0.8202, step time: 1.0640

Batch 160/248, train_loss: 0.6914, step time: 1.0504
Batch 161/248, train_loss: 0.6912, step time: 1.0603
Batch 162/248, train_loss: 0.6417, step time: 1.0538
Batch 163/248, train_loss: 0.7108, step time: 1.0650
Batch 164/248, train_loss: 0.7440, step time: 1.0557
Batch 165/248, train_loss: 0.9330, step time: 1.0397
Batch 166/248, train_loss: 0.7048, step time: 1.0673
Batch 167/248, train_loss: 0.7197, step time: 1.0582
Batch 168/248, train_loss: 0.7249, step time: 1.0515
Batch 169/248, train_loss: 0.6859, step time: 1.0662
Batch 170/248, train_loss: 0.9128, step time: 1.0484
Batch 171/248, train_loss: 0.6693, step time: 1.0601
Batch 172/248, train_loss: 0.9879, step time: 1.0437
Batch 173/248, train_loss: 0.6787, step time: 1.0706
Batch 174/248, train_loss: 0.9244, step time: 1.0513
Batch 175/248, train_loss: 0.7056, step time: 1.0580
Batch 176/248, train_loss: 0.8070, step time: 1.0588
Batch 177/248, train_loss: 0.8613, step time: 1.0667
Batch 178/248, train_loss: 0.7347, step time: 1.0542
Batch 179/248, train_loss: 0.6427, step time: 1.0597
Batch 180/248, train_loss: 0.8548, step time: 1.0477
Batch 181/248, train_loss: 0.6769, step time: 1.0646
Batch 182/248, train_loss: 0.9657, step time: 1.0641
Batch 183/248, train_loss: 0.6876, step time: 1.0576
Batch 184/248, train_loss: 0.8067, step time: 1.0585
Batch 185/248, train_loss: 0.7080, step time: 1.0556
Batch 186/248, train_loss: 0.7019, step time: 1.0602
Batch 187/248, train_loss: 0.7135, step time: 1.0493
Batch 188/248, train_loss: 0.7376, step time: 1.0479
Batch 189/248, train_loss: 0.9112, step time: 1.0459
Batch 190/248, train_loss: 0.7093, step time: 1.0680
Batch 191/248, train_loss: 0.8695, step time: 1.0439
Batch 192/248, train_loss: 0.7347, step time: 1.0633
Batch 193/248, train_loss: 0.7498, step time: 1.0465
Batch 194/248, train_loss: 0.7002, step time: 1.0488
Batch 195/248, train_loss: 0.8925, step time: 1.0497
Batch 196/248, train_loss: 1.0000, step time: 1.0462
Batch 197/248, train_loss: 0.7474, step time: 1.0690
Batch 198/248, train_loss: 0.9992, step time: 1.0667
Batch 199/248, train_loss: 0.7293, step time: 1.0476
Batch 200/248, train_loss: 0.7036, step time: 1.0580
Batch 201/248, train_loss: 0.7050, step time: 1.0675
Batch 202/248, train_loss: 0.8015, step time: 1.0608
Batch 203/248, train_loss: 0.9012, step time: 1.0672
Batch 204/248, train_loss: 0.6744, step time: 1.0477
Batch 205/248, train_loss: 0.7786, step time: 1.0599
Batch 206/248, train_loss: 0.8006, step time: 1.0487
Batch 207/248, train_loss: 0.6866, step time: 1.0382
Batch 208/248, train_loss: 0.7279, step time: 1.0623
Batch 209/248, train_loss: 0.7094, step time: 1.0625
Batch 210/248, train_loss: 0.6783, step time: 1.0649
Batch 211/248, train_loss: 0.6792, step time: 1.0488
Batch 212/248, train_loss: 0.7883, step time: 1.0701
Batch 213/248, train_loss: 0.7049, step time: 1.0525
Batch 214/248, train_loss: 0.6853, step time: 1.0349
Batch 215/248, train_loss: 0.7747, step time: 1.0657
Batch 216/248, train_loss: 0.7234, step time: 1.0498
Batch 217/248, train_loss: 0.7830, step time: 1.0512
Batch 218/248, train_loss: 0.9985, step time: 1.0657
Batch 219/248, train_loss: 0.6891, step time: 1.0439
Batch 220/248, train_loss: 0.7689, step time: 1.0606
Batch 221/248, train_loss: 0.7478, step time: 1.0493
Batch 222/248, train_loss: 0.7379, step time: 1.0713
Batch 223/248, train_loss: 0.6567, step time: 1.0472
Batch 224/248, train_loss: 0.6852, step time: 1.0559
Batch 225/248, train_loss: 0.7523, step time: 1.0752
Batch 226/248, train_loss: 0.7161, step time: 1.0643
Batch 227/248, train_loss: 0.6876, step time: 1.0625
Batch 228/248, train_loss: 0.7254, step time: 1.0377
Batch 229/248, train_loss: 0.6749, step time: 1.0479
Batch 230/248, train_loss: 0.6900, step time: 1.0471
Batch 231/248, train_loss: 0.9975, step time: 1.0452
Batch 232/248, train_loss: 0.6835, step time: 1.0452
Batch 233/248, train_loss: 0.9965, step time: 1.0429
Batch 234/248, train_loss: 0.8403, step time: 1.0725
Batch 235/248, train_loss: 0.7704, step time: 1.0521
Batch 236/248, train_loss: 0.9139, step time: 1.0697
Batch 237/248, train_loss: 0.6944, step time: 1.0595
Batch 238/248, train_loss: 0.6971, step time: 1.0611
Batch 239/248, train_loss: 0.6149, step time: 1.0683
Batch 240/248, train_loss: 0.7669, step time: 1.0633
Batch 241/248, train_loss: 0.9504, step time: 1.0637
Batch 242/248, train_loss: 0.7195, step time: 1.0401
Batch 243/248, train_loss: 0.8637, step time: 1.0451
Batch 244/248, train_loss: 0.8282, step time: 1.0618

```
Batch 245/248, train_loss: 0.6793, step time: 1.0475  
Batch 246/248, train_loss: 0.8657, step time: 1.0467  
Batch 247/248, train_loss: 0.6425, step time: 1.0485  
Batch 248/248, train_loss: 0.9998, step time: 1.0642
```

Labels



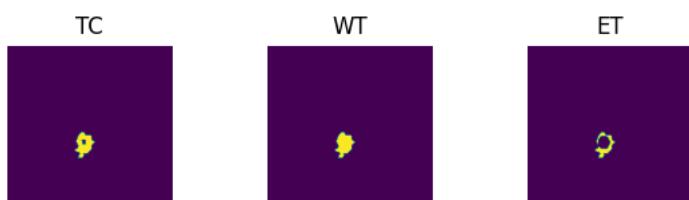
Predictions



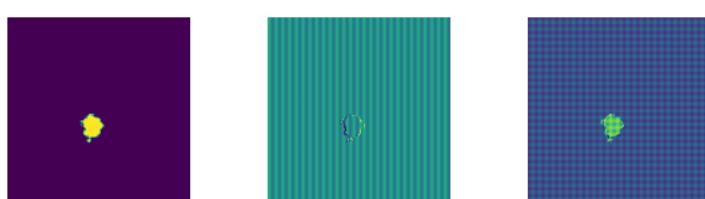
VAL

```
Batch 1/31, val_loss: 0.9314  
Batch 2/31, val_loss: 0.9557  
Batch 3/31, val_loss: 0.9859  
Batch 4/31, val_loss: 0.9744  
Batch 5/31, val_loss: 0.9942  
Batch 6/31, val_loss: 0.8250  
Batch 7/31, val_loss: 0.9179  
Batch 8/31, val_loss: 0.9872  
Batch 9/31, val_loss: 0.8283  
Batch 10/31, val_loss: 0.9666  
Batch 11/31, val_loss: 0.9008  
Batch 12/31, val_loss: 0.9846  
Batch 13/31, val_loss: 0.9837  
Batch 14/31, val_loss: 0.9772  
Batch 15/31, val_loss: 0.9960  
Batch 16/31, val_loss: 0.9865  
Batch 17/31, val_loss: 0.9886  
Batch 18/31, val_loss: 0.9720  
Batch 19/31, val_loss: 0.8762  
Batch 20/31, val_loss: 0.9468  
Batch 21/31, val_loss: 0.9444  
Batch 22/31, val_loss: 0.9918  
Batch 23/31, val_loss: 0.9920  
Batch 24/31, val_loss: 0.8368  
Batch 25/31, val_loss: 0.8928  
Batch 26/31, val_loss: 0.9568  
Batch 27/31, val_loss: 0.9954  
Batch 28/31, val_loss: 0.8728  
Batch 29/31, val_loss: 0.9939  
Batch 30/31, val_loss: 0.9912  
Batch 31/31, val_loss: 0.9851
```

Labels



Predictions



epoch 20

```
average train loss: 0.7713
```

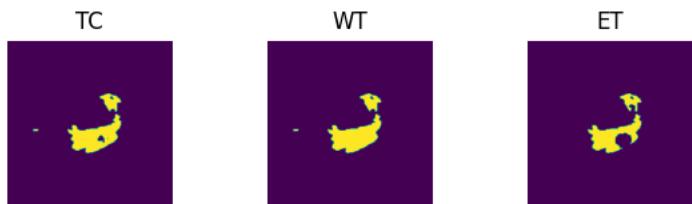
```
average validation loss: 0.9494
saved as best model: False
current mean dice: 0.1634
current TC dice: 0.4637
current WT dice: 0.0095
current ET dice: 0.0181
Best Mean Metric: 0.1684
time consuming of epoch 20 is: 1591.9166
-----
epoch 21/100
TRAIN
Batch 1/248, train_loss: 0.6633, step time: 1.0449
Batch 2/248, train_loss: 0.9329, step time: 1.0482
Batch 3/248, train_loss: 0.8126, step time: 1.0581
Batch 4/248, train_loss: 0.9956, step time: 1.0587
Batch 5/248, train_loss: 0.7457, step time: 1.0486
Batch 6/248, train_loss: 0.8476, step time: 1.0707
Batch 7/248, train_loss: 0.6423, step time: 1.0482
Batch 8/248, train_loss: 0.9105, step time: 1.0651
Batch 9/248, train_loss: 0.6559, step time: 1.0424
Batch 10/248, train_loss: 0.7771, step time: 1.0554
Batch 11/248, train_loss: 0.7148, step time: 1.0581
Batch 12/248, train_loss: 0.8066, step time: 1.0463
Batch 13/248, train_loss: 0.7659, step time: 1.0686
Batch 14/248, train_loss: 0.6297, step time: 1.0556
Batch 15/248, train_loss: 0.8008, step time: 1.0699
Batch 16/248, train_loss: 0.7110, step time: 1.0628
Batch 17/248, train_loss: 0.7294, step time: 1.0690
Batch 18/248, train_loss: 0.7632, step time: 1.0448
Batch 19/248, train_loss: 0.6857, step time: 1.0649
Batch 20/248, train_loss: 0.7679, step time: 1.0581
Batch 21/248, train_loss: 0.6801, step time: 1.0550
Batch 22/248, train_loss: 0.9998, step time: 1.0627
Batch 23/248, train_loss: 0.9989, step time: 1.0384
Batch 24/248, train_loss: 0.6902, step time: 1.0556
Batch 25/248, train_loss: 0.6371, step time: 1.0430
Batch 26/248, train_loss: 0.8155, step time: 1.0597
Batch 27/248, train_loss: 0.6614, step time: 1.0411
Batch 28/248, train_loss: 0.7247, step time: 1.0592
Batch 29/248, train_loss: 0.7988, step time: 1.0566
Batch 30/248, train_loss: 0.7569, step time: 1.0528
Batch 31/248, train_loss: 0.7973, step time: 1.0558
Batch 32/248, train_loss: 0.6866, step time: 1.0468
Batch 33/248, train_loss: 0.6627, step time: 1.0537
Batch 34/248, train_loss: 0.6618, step time: 1.0456
Batch 35/248, train_loss: 0.6803, step time: 1.0433
Batch 36/248, train_loss: 0.9890, step time: 1.0547
Batch 37/248, train_loss: 0.7332, step time: 1.0541
Batch 38/248, train_loss: 0.7608, step time: 1.0461
Batch 39/248, train_loss: 0.7048, step time: 1.0459
Batch 40/248, train_loss: 0.9993, step time: 1.0448
Batch 41/248, train_loss: 0.7265, step time: 1.0520
Batch 42/248, train_loss: 0.6866, step time: 1.0633
Batch 43/248, train_loss: 0.6622, step time: 1.0416
Batch 44/248, train_loss: 0.7675, step time: 1.0567
Batch 45/248, train_loss: 0.9376, step time: 1.0525
Batch 46/248, train_loss: 0.7216, step time: 1.0480
Batch 47/248, train_loss: 0.6886, step time: 1.0520
Batch 48/248, train_loss: 0.7533, step time: 1.0359
Batch 49/248, train_loss: 0.7714, step time: 1.0374
Batch 50/248, train_loss: 0.7124, step time: 1.0597
Batch 51/248, train_loss: 0.7314, step time: 1.0447
Batch 52/248, train_loss: 0.7046, step time: 1.0604
Batch 53/248, train_loss: 0.7946, step time: 1.0633
Batch 54/248, train_loss: 0.7534, step time: 1.0556
Batch 55/248, train_loss: 0.7428, step time: 1.0626
Batch 56/248, train_loss: 0.7258, step time: 1.0513
Batch 57/248, train_loss: 0.7670, step time: 1.0626
Batch 58/248, train_loss: 0.6848, step time: 1.0489
Batch 59/248, train_loss: 0.6881, step time: 1.0597
Batch 60/248, train_loss: 0.6735, step time: 1.0617
Batch 61/248, train_loss: 0.6892, step time: 1.0433
Batch 62/248, train_loss: 0.7732, step time: 1.0670
Batch 63/248, train_loss: 0.8606, step time: 1.0578
Batch 64/248, train_loss: 0.8860, step time: 1.0438
Batch 65/248, train_loss: 0.7512, step time: 1.0570
Batch 66/248, train_loss: 0.7309, step time: 1.0622
Batch 67/248, train_loss: 0.6643, step time: 1.0456
Batch 68/248, train_loss: 0.6895, step time: 1.0463
Batch 69/248, train_loss: 0.9089, step time: 1.0516
Batch 70/248, train_loss: 0.7096, step time: 1.0609
Batch 71/248, train_loss: 0.6976, step time: 1.0506
Batch 72/248, train_loss: 0.6718, step time: 1.0696
Batch 73/248, train_loss: 0.7178, step time: 1.0651
Batch 74/248, train_loss: 0.9986, step time: 1.0440
```

Batch 75/248, train_loss: 0.6918, step time: 1.0486
Batch 76/248, train_loss: 0.8336, step time: 1.0707
Batch 77/248, train_loss: 0.9426, step time: 1.0587
Batch 78/248, train_loss: 0.7170, step time: 1.0635
Batch 79/248, train_loss: 0.7201, step time: 1.0446
Batch 80/248, train_loss: 0.7528, step time: 1.0617
Batch 81/248, train_loss: 0.7398, step time: 1.0625
Batch 82/248, train_loss: 0.6867, step time: 1.0692
Batch 83/248, train_loss: 0.8765, step time: 1.0735
Batch 84/248, train_loss: 0.7359, step time: 1.0683
Batch 85/248, train_loss: 0.7871, step time: 1.0411
Batch 86/248, train_loss: 0.7403, step time: 1.0537
Batch 87/248, train_loss: 0.9165, step time: 1.0465
Batch 88/248, train_loss: 0.7936, step time: 1.0562
Batch 89/248, train_loss: 0.6585, step time: 1.0674
Batch 90/248, train_loss: 0.7602, step time: 1.0504
Batch 91/248, train_loss: 0.7972, step time: 1.0583
Batch 92/248, train_loss: 0.8453, step time: 1.0689
Batch 93/248, train_loss: 0.7160, step time: 1.0449
Batch 94/248, train_loss: 0.7496, step time: 1.0728
Batch 95/248, train_loss: 0.7172, step time: 1.0670
Batch 96/248, train_loss: 0.7146, step time: 1.0692
Batch 97/248, train_loss: 0.8327, step time: 1.0624
Batch 98/248, train_loss: 0.6824, step time: 1.0552
Batch 99/248, train_loss: 0.8328, step time: 1.0612
Batch 100/248, train_loss: 0.7613, step time: 1.0663
Batch 101/248, train_loss: 0.6426, step time: 1.0652
Batch 102/248, train_loss: 0.7167, step time: 1.0604
Batch 103/248, train_loss: 0.7748, step time: 1.0502
Batch 104/248, train_loss: 0.7438, step time: 1.0369
Batch 105/248, train_loss: 0.6734, step time: 1.0511
Batch 106/248, train_loss: 0.7082, step time: 1.0639
Batch 107/248, train_loss: 0.7466, step time: 1.0428
Batch 108/248, train_loss: 0.8377, step time: 1.0659
Batch 109/248, train_loss: 0.9631, step time: 1.0629
Batch 110/248, train_loss: 0.8736, step time: 1.0691
Batch 111/248, train_loss: 0.6800, step time: 1.0424
Batch 112/248, train_loss: 0.6883, step time: 1.0657
Batch 113/248, train_loss: 0.9987, step time: 1.0632
Batch 114/248, train_loss: 0.6821, step time: 1.0505
Batch 115/248, train_loss: 0.7256, step time: 1.0684
Batch 116/248, train_loss: 0.6754, step time: 1.0402
Batch 117/248, train_loss: 0.9636, step time: 1.0512
Batch 118/248, train_loss: 0.8643, step time: 1.0484
Batch 119/248, train_loss: 0.7478, step time: 1.0347
Batch 120/248, train_loss: 0.7407, step time: 1.0532
Batch 121/248, train_loss: 0.7549, step time: 1.0480
Batch 122/248, train_loss: 0.8145, step time: 1.0421
Batch 123/248, train_loss: 0.6900, step time: 1.0627
Batch 124/248, train_loss: 0.8011, step time: 1.0553
Batch 125/248, train_loss: 0.9142, step time: 1.0690
Batch 126/248, train_loss: 0.7236, step time: 1.0519
Batch 127/248, train_loss: 0.6993, step time: 1.0439
Batch 128/248, train_loss: 0.9051, step time: 1.0466
Batch 129/248, train_loss: 0.6785, step time: 1.0484
Batch 130/248, train_loss: 0.6822, step time: 1.0482
Batch 131/248, train_loss: 0.8951, step time: 1.0429
Batch 132/248, train_loss: 0.8417, step time: 1.0352
Batch 133/248, train_loss: 0.6645, step time: 1.0713
Batch 134/248, train_loss: 0.9918, step time: 1.0526
Batch 135/248, train_loss: 0.8514, step time: 1.0527
Batch 136/248, train_loss: 0.7345, step time: 1.0580
Batch 137/248, train_loss: 0.6859, step time: 1.0413
Batch 138/248, train_loss: 0.6707, step time: 1.0552
Batch 139/248, train_loss: 0.7252, step time: 1.0605
Batch 140/248, train_loss: 0.7262, step time: 1.0616
Batch 141/248, train_loss: 0.7253, step time: 1.0422
Batch 142/248, train_loss: 0.9854, step time: 1.0624
Batch 143/248, train_loss: 0.7468, step time: 1.0702
Batch 144/248, train_loss: 0.6990, step time: 1.0650
Batch 145/248, train_loss: 0.6500, step time: 1.0432
Batch 146/248, train_loss: 0.9224, step time: 1.0675
Batch 147/248, train_loss: 0.6308, step time: 1.0434
Batch 148/248, train_loss: 0.9494, step time: 1.0619
Batch 149/248, train_loss: 0.7102, step time: 1.0362
Batch 150/248, train_loss: 0.8636, step time: 1.0527
Batch 151/248, train_loss: 0.8194, step time: 1.0607
Batch 152/248, train_loss: 0.6310, step time: 1.0388
Batch 153/248, train_loss: 0.7977, step time: 1.0677
Batch 154/248, train_loss: 0.8095, step time: 1.0477
Batch 155/248, train_loss: 0.7121, step time: 1.0439
Batch 156/248, train_loss: 0.7352, step time: 1.0403
Batch 157/248, train_loss: 0.7900, step time: 1.0655
Batch 158/248, train_loss: 0.9984, step time: 1.0615
Batch 159/248, train_loss: 0.8251, step time: 1.0642

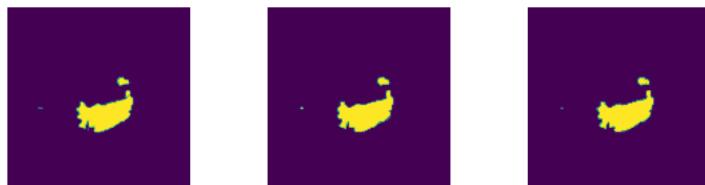
Batch 160/248, train_loss: 0.6971, step time: 1.0610
Batch 161/248, train_loss: 0.6974, step time: 1.0416
Batch 162/248, train_loss: 0.6393, step time: 1.0691
Batch 163/248, train_loss: 0.7199, step time: 1.0678
Batch 164/248, train_loss: 0.7279, step time: 1.0531
Batch 165/248, train_loss: 0.9433, step time: 1.0520
Batch 166/248, train_loss: 0.6946, step time: 1.0427
Batch 167/248, train_loss: 0.7237, step time: 1.0585
Batch 168/248, train_loss: 0.7218, step time: 1.0606
Batch 169/248, train_loss: 0.6858, step time: 1.0632
Batch 170/248, train_loss: 0.8812, step time: 1.0634
Batch 171/248, train_loss: 0.6640, step time: 1.0546
Batch 172/248, train_loss: 0.9787, step time: 1.0582
Batch 173/248, train_loss: 0.6794, step time: 1.0573
Batch 174/248, train_loss: 0.9278, step time: 1.0682
Batch 175/248, train_loss: 0.7113, step time: 1.0588
Batch 176/248, train_loss: 0.7992, step time: 1.0452
Batch 177/248, train_loss: 0.7891, step time: 1.0649
Batch 178/248, train_loss: 0.7428, step time: 1.0629
Batch 179/248, train_loss: 0.6344, step time: 1.0451
Batch 180/248, train_loss: 0.8134, step time: 1.0554
Batch 181/248, train_loss: 0.6790, step time: 1.0669
Batch 182/248, train_loss: 0.9697, step time: 1.0679
Batch 183/248, train_loss: 0.6845, step time: 1.0393
Batch 184/248, train_loss: 0.8201, step time: 1.0424
Batch 185/248, train_loss: 0.7063, step time: 1.0445
Batch 186/248, train_loss: 0.7006, step time: 1.0612
Batch 187/248, train_loss: 0.7093, step time: 1.0619
Batch 188/248, train_loss: 0.7369, step time: 1.0628
Batch 189/248, train_loss: 0.9617, step time: 1.0455
Batch 190/248, train_loss: 0.7088, step time: 1.0411
Batch 191/248, train_loss: 0.8485, step time: 1.0616
Batch 192/248, train_loss: 0.7252, step time: 1.0484
Batch 193/248, train_loss: 0.7466, step time: 1.0639
Batch 194/248, train_loss: 0.6996, step time: 1.0441
Batch 195/248, train_loss: 0.8365, step time: 1.0630
Batch 196/248, train_loss: 0.9998, step time: 1.0531
Batch 197/248, train_loss: 0.7523, step time: 1.0605
Batch 198/248, train_loss: 0.9988, step time: 1.0675
Batch 199/248, train_loss: 0.7350, step time: 1.0402
Batch 200/248, train_loss: 0.7136, step time: 1.0469
Batch 201/248, train_loss: 0.7048, step time: 1.0443
Batch 202/248, train_loss: 0.7975, step time: 1.0482
Batch 203/248, train_loss: 0.8859, step time: 1.0690
Batch 204/248, train_loss: 0.6701, step time: 1.0760
Batch 205/248, train_loss: 0.7671, step time: 1.0627
Batch 206/248, train_loss: 0.8999, step time: 1.0600
Batch 207/248, train_loss: 0.6805, step time: 1.0539
Batch 208/248, train_loss: 0.7276, step time: 1.0579
Batch 209/248, train_loss: 0.7107, step time: 1.0684
Batch 210/248, train_loss: 0.6731, step time: 1.0675
Batch 211/248, train_loss: 0.6778, step time: 1.0455
Batch 212/248, train_loss: 0.7424, step time: 1.0387
Batch 213/248, train_loss: 0.7114, step time: 1.0500
Batch 214/248, train_loss: 0.6849, step time: 1.0616
Batch 215/248, train_loss: 0.7825, step time: 1.0555
Batch 216/248, train_loss: 0.7267, step time: 1.0484
Batch 217/248, train_loss: 0.7784, step time: 1.0627
Batch 218/248, train_loss: 0.9965, step time: 1.0604
Batch 219/248, train_loss: 0.6883, step time: 1.0448
Batch 220/248, train_loss: 0.7682, step time: 1.0616
Batch 221/248, train_loss: 0.7765, step time: 1.0684
Batch 222/248, train_loss: 0.7340, step time: 1.0403
Batch 223/248, train_loss: 0.6552, step time: 1.0469
Batch 224/248, train_loss: 0.6813, step time: 1.0670
Batch 225/248, train_loss: 0.7403, step time: 1.0711
Batch 226/248, train_loss: 0.7202, step time: 1.0507
Batch 227/248, train_loss: 0.6853, step time: 1.0623
Batch 228/248, train_loss: 0.7241, step time: 1.0386
Batch 229/248, train_loss: 0.6769, step time: 1.0479
Batch 230/248, train_loss: 0.6839, step time: 1.0603
Batch 231/248, train_loss: 0.7793, step time: 1.0687
Batch 232/248, train_loss: 0.6818, step time: 1.0475
Batch 233/248, train_loss: 0.9912, step time: 1.0698
Batch 234/248, train_loss: 0.8406, step time: 1.0579
Batch 235/248, train_loss: 0.7735, step time: 1.0618
Batch 236/248, train_loss: 0.9694, step time: 1.0488
Batch 237/248, train_loss: 0.6986, step time: 1.0436
Batch 238/248, train_loss: 0.6929, step time: 1.0437
Batch 239/248, train_loss: 0.6322, step time: 1.0586
Batch 240/248, train_loss: 0.8027, step time: 1.0717
Batch 241/248, train_loss: 0.9224, step time: 1.0539
Batch 242/248, train_loss: 0.7145, step time: 1.0482
Batch 243/248, train_loss: 0.8453, step time: 1.0487
Batch 244/248, train_loss: 0.8218, step time: 1.0197

```
Batch 244/248, train_loss: 0.6910, step time: 1.0579  
Batch 245/248, train_loss: 0.6787, step time: 1.0528  
Batch 246/248, train_loss: 0.8524, step time: 1.0701  
Batch 247/248, train_loss: 0.6524, step time: 1.0689  
Batch 248/248, train_loss: 1.0000, step time: 1.0557
```

Labels



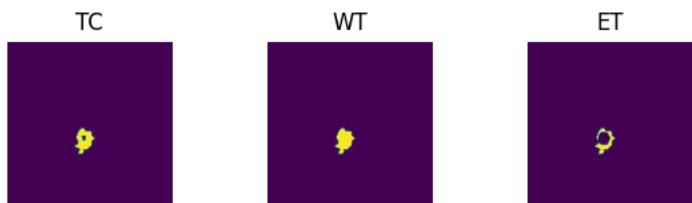
Predictions



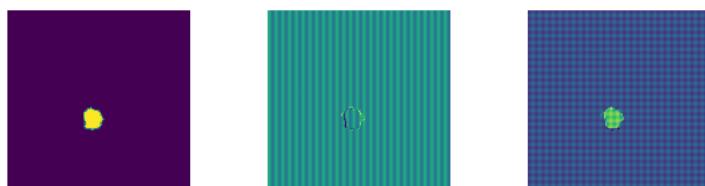
VAL

```
Batch 1/31, val_loss: 0.9227  
Batch 2/31, val_loss: 0.9579  
Batch 3/31, val_loss: 0.9860  
Batch 4/31, val_loss: 0.9749  
Batch 5/31, val_loss: 0.9947  
Batch 6/31, val_loss: 0.8275  
Batch 7/31, val_loss: 0.9097  
Batch 8/31, val_loss: 0.9854  
Batch 9/31, val_loss: 0.8306  
Batch 10/31, val_loss: 0.9715  
Batch 11/31, val_loss: 0.9026  
Batch 12/31, val_loss: 0.9846  
Batch 13/31, val_loss: 0.9827  
Batch 14/31, val_loss: 0.9723  
Batch 15/31, val_loss: 0.9964  
Batch 16/31, val_loss: 0.9799  
Batch 17/31, val_loss: 0.9874  
Batch 18/31, val_loss: 0.9714  
Batch 19/31, val_loss: 0.8767  
Batch 20/31, val_loss: 0.9416  
Batch 21/31, val_loss: 0.9590  
Batch 22/31, val_loss: 0.9901  
Batch 23/31, val_loss: 0.9869  
Batch 24/31, val_loss: 0.8385  
Batch 25/31, val_loss: 0.8938  
Batch 26/31, val_loss: 0.9568  
Batch 27/31, val_loss: 0.9954  
Batch 28/31, val_loss: 0.8786  
Batch 29/31, val_loss: 0.9937  
Batch 30/31, val_loss: 0.9879  
Batch 31/31, val_loss: 0.9849
```

Labels



Predictions



epoch 21

average train loss: 0.7672

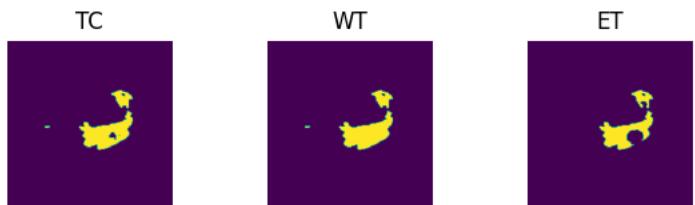
```
average validation loss: 0.9491
saved as best model: False
current mean dice: 0.1683
current TC dice: 0.4785
current WT dice: 0.0094
current ET dice: 0.0178
Best Mean Metric: 0.1684
time consuming of epoch 21 is: 1647.8501
-----
epoch 22/100
TRAIN
Batch 1/248, train_loss: 0.6694, step time: 1.0737
Batch 2/248, train_loss: 0.9446, step time: 1.0753
Batch 3/248, train_loss: 0.7872, step time: 1.0517
Batch 4/248, train_loss: 0.9978, step time: 1.0680
Batch 5/248, train_loss: 0.7462, step time: 1.0505
Batch 6/248, train_loss: 0.8257, step time: 1.0432
Batch 7/248, train_loss: 0.6432, step time: 1.0735
Batch 8/248, train_loss: 0.9143, step time: 1.0597
Batch 9/248, train_loss: 0.6563, step time: 1.0620
Batch 10/248, train_loss: 0.7783, step time: 1.0399
Batch 11/248, train_loss: 0.7095, step time: 1.0549
Batch 12/248, train_loss: 0.7765, step time: 1.0677
Batch 13/248, train_loss: 0.7625, step time: 1.0551
Batch 14/248, train_loss: 0.6335, step time: 1.0653
Batch 15/248, train_loss: 0.7894, step time: 1.0518
Batch 16/248, train_loss: 0.7126, step time: 1.0419
Batch 17/248, train_loss: 0.7362, step time: 1.0537
Batch 18/248, train_loss: 0.7729, step time: 1.0670
Batch 19/248, train_loss: 0.7051, step time: 1.0599
Batch 20/248, train_loss: 0.7444, step time: 1.0489
Batch 21/248, train_loss: 0.6875, step time: 1.0587
Batch 22/248, train_loss: 0.9972, step time: 1.0592
Batch 23/248, train_loss: 0.9971, step time: 1.0400
Batch 24/248, train_loss: 0.6910, step time: 1.0434
Batch 25/248, train_loss: 0.6419, step time: 1.0537
Batch 26/248, train_loss: 0.8265, step time: 1.0711
Batch 27/248, train_loss: 0.6694, step time: 1.0687
Batch 28/248, train_loss: 0.7272, step time: 1.0481
Batch 29/248, train_loss: 0.8048, step time: 1.0518
Batch 30/248, train_loss: 0.7476, step time: 1.0487
Batch 31/248, train_loss: 0.7994, step time: 1.0623
Batch 32/248, train_loss: 0.6877, step time: 1.0492
Batch 33/248, train_loss: 0.6605, step time: 1.0473
Batch 34/248, train_loss: 0.6619, step time: 1.0582
Batch 35/248, train_loss: 0.6819, step time: 1.0432
Batch 36/248, train_loss: 0.9552, step time: 1.0463
Batch 37/248, train_loss: 0.7306, step time: 1.0367
Batch 38/248, train_loss: 0.7546, step time: 1.0580
Batch 39/248, train_loss: 0.7204, step time: 1.0467
Batch 40/248, train_loss: 0.9996, step time: 1.0616
Batch 41/248, train_loss: 0.7387, step time: 1.0509
Batch 42/248, train_loss: 0.6910, step time: 1.0699
Batch 43/248, train_loss: 0.6604, step time: 1.0575
Batch 44/248, train_loss: 0.8188, step time: 1.0658
Batch 45/248, train_loss: 0.8743, step time: 1.0528
Batch 46/248, train_loss: 0.7210, step time: 1.0620
Batch 47/248, train_loss: 0.6909, step time: 1.0653
Batch 48/248, train_loss: 0.7562, step time: 1.0625
Batch 49/248, train_loss: 0.7798, step time: 1.0411
Batch 50/248, train_loss: 0.7106, step time: 1.0656
Batch 51/248, train_loss: 0.7224, step time: 1.0692
Batch 52/248, train_loss: 0.7022, step time: 1.0426
Batch 53/248, train_loss: 0.8017, step time: 1.0476
Batch 54/248, train_loss: 0.7519, step time: 1.0517
Batch 55/248, train_loss: 0.7478, step time: 1.0580
Batch 56/248, train_loss: 0.7380, step time: 1.0414
Batch 57/248, train_loss: 0.7569, step time: 1.0400
Batch 58/248, train_loss: 0.6858, step time: 1.0620
Batch 59/248, train_loss: 0.6879, step time: 1.0524
Batch 60/248, train_loss: 0.6751, step time: 1.0446
Batch 61/248, train_loss: 0.6888, step time: 1.0498
Batch 62/248, train_loss: 0.7736, step time: 1.0584
Batch 63/248, train_loss: 0.8276, step time: 1.0581
Batch 64/248, train_loss: 0.8141, step time: 1.0476
Batch 65/248, train_loss: 0.7469, step time: 1.0590
Batch 66/248, train_loss: 0.7328, step time: 1.0653
Batch 67/248, train_loss: 0.6638, step time: 1.0574
Batch 68/248, train_loss: 0.6932, step time: 1.0414
Batch 69/248, train_loss: 0.8635, step time: 1.0685
Batch 70/248, train_loss: 0.7075, step time: 1.0502
Batch 71/248, train_loss: 0.7108, step time: 1.0637
Batch 72/248, train_loss: 0.6708, step time: 1.0519
Batch 73/248, train_loss: 0.7772, step time: 1.0623
Batch 74/248, train_loss: 0.9996, step time: 1.0612
```

```
--|---, --|---, --|---, --|---, --|---  
Batch 75/248, train_loss: 0.6971, step time: 1.0703  
Batch 76/248, train_loss: 0.8568, step time: 1.0498  
Batch 77/248, train_loss: 0.9188, step time: 1.0675  
Batch 78/248, train_loss: 0.7137, step time: 1.0668  
Batch 79/248, train_loss: 0.7180, step time: 1.0687  
Batch 80/248, train_loss: 0.7402, step time: 1.0476  
Batch 81/248, train_loss: 0.7320, step time: 1.0622  
Batch 82/248, train_loss: 0.6873, step time: 1.0697  
Batch 83/248, train_loss: 0.8713, step time: 1.0612  
Batch 84/248, train_loss: 0.7511, step time: 1.0710  
Batch 85/248, train_loss: 0.7873, step time: 1.0655  
Batch 86/248, train_loss: 0.8530, step time: 1.0518  
Batch 87/248, train_loss: 0.8275, step time: 1.0498  
Batch 88/248, train_loss: 0.7823, step time: 1.0519  
Batch 89/248, train_loss: 0.6561, step time: 1.0467  
Batch 90/248, train_loss: 0.8634, step time: 1.0508  
Batch 91/248, train_loss: 0.7784, step time: 1.0639  
Batch 92/248, train_loss: 0.8698, step time: 1.0534  
Batch 93/248, train_loss: 0.7144, step time: 1.0693  
Batch 94/248, train_loss: 0.7484, step time: 1.0584  
Batch 95/248, train_loss: 0.7167, step time: 1.0578  
Batch 96/248, train_loss: 0.7179, step time: 1.0574  
Batch 97/248, train_loss: 0.8148, step time: 1.0498  
Batch 98/248, train_loss: 0.6831, step time: 1.0500  
Batch 99/248, train_loss: 0.8078, step time: 1.0531  
Batch 100/248, train_loss: 0.7854, step time: 1.0515  
Batch 101/248, train_loss: 0.6434, step time: 1.0438  
Batch 102/248, train_loss: 0.7017, step time: 1.0437  
Batch 103/248, train_loss: 0.7860, step time: 1.0637  
Batch 104/248, train_loss: 0.7338, step time: 1.0579  
Batch 105/248, train_loss: 0.6842, step time: 1.0437  
Batch 106/248, train_loss: 0.7133, step time: 1.0696  
Batch 107/248, train_loss: 0.7636, step time: 1.0578  
Batch 108/248, train_loss: 0.8563, step time: 1.0679  
Batch 109/248, train_loss: 0.9652, step time: 1.0439  
Batch 110/248, train_loss: 0.7185, step time: 1.0592  
Batch 111/248, train_loss: 0.6862, step time: 1.0651  
Batch 112/248, train_loss: 0.6860, step time: 1.0444  
Batch 113/248, train_loss: 0.9987, step time: 1.0397  
Batch 114/248, train_loss: 0.6815, step time: 1.0384  
Batch 115/248, train_loss: 0.7246, step time: 1.0672  
Batch 116/248, train_loss: 0.6753, step time: 1.0496  
Batch 117/248, train_loss: 0.9906, step time: 1.0507  
Batch 118/248, train_loss: 0.7815, step time: 1.0424  
Batch 119/248, train_loss: 0.7457, step time: 1.0424  
Batch 120/248, train_loss: 0.7581, step time: 1.0673  
Batch 121/248, train_loss: 0.7559, step time: 1.0422  
Batch 122/248, train_loss: 0.8174, step time: 1.0478  
Batch 123/248, train_loss: 0.6837, step time: 1.0566  
Batch 124/248, train_loss: 0.7504, step time: 1.0703  
Batch 125/248, train_loss: 0.8558, step time: 1.0647  
Batch 126/248, train_loss: 0.7158, step time: 1.0457  
Batch 127/248, train_loss: 0.7012, step time: 1.0574  
Batch 128/248, train_loss: 0.8709, step time: 1.0461  
Batch 129/248, train_loss: 0.6717, step time: 1.0442  
Batch 130/248, train_loss: 0.6760, step time: 1.0566  
Batch 131/248, train_loss: 0.7827, step time: 1.0675  
Batch 132/248, train_loss: 0.7297, step time: 1.0447  
Batch 133/248, train_loss: 0.6699, step time: 1.0658  
Batch 134/248, train_loss: 0.8956, step time: 1.0583  
Batch 135/248, train_loss: 0.7205, step time: 1.0653  
Batch 136/248, train_loss: 0.7095, step time: 1.0396  
Batch 137/248, train_loss: 0.6880, step time: 1.0688  
Batch 138/248, train_loss: 0.6700, step time: 1.0469  
Batch 139/248, train_loss: 0.7132, step time: 1.0684  
Batch 140/248, train_loss: 0.7633, step time: 1.0632  
Batch 141/248, train_loss: 0.7160, step time: 1.0537  
Batch 142/248, train_loss: 0.9811, step time: 1.0521  
Batch 143/248, train_loss: 0.7455, step time: 1.0574  
Batch 144/248, train_loss: 0.6975, step time: 1.0620  
Batch 145/248, train_loss: 0.6345, step time: 1.0656  
Batch 146/248, train_loss: 0.9959, step time: 1.0487  
Batch 147/248, train_loss: 0.6368, step time: 1.0657  
Batch 148/248, train_loss: 0.9700, step time: 1.0651  
Batch 149/248, train_loss: 0.7087, step time: 1.0673  
Batch 150/248, train_loss: 0.8709, step time: 1.0450  
Batch 151/248, train_loss: 0.7972, step time: 1.0664  
Batch 152/248, train_loss: 0.6287, step time: 1.0624  
Batch 153/248, train_loss: 0.7418, step time: 1.0525  
Batch 154/248, train_loss: 0.7811, step time: 1.0592  
Batch 155/248, train_loss: 0.7056, step time: 1.0707  
Batch 156/248, train_loss: 0.7250, step time: 1.0458  
Batch 157/248, train_loss: 0.7713, step time: 1.0703  
Batch 158/248, train_loss: 0.9993, step time: 1.0471  
Batch 159/248, train_loss: 0.7081, step time: 1.0561
```

Batch 155/248, train_loss: 0.7004, step time: 1.0501
Batch 160/248, train_loss: 0.6889, step time: 1.0420
Batch 161/248, train_loss: 0.6917, step time: 1.0509
Batch 162/248, train_loss: 0.6314, step time: 1.0369
Batch 163/248, train_loss: 0.7117, step time: 1.0438
Batch 164/248, train_loss: 0.7134, step time: 1.0447
Batch 165/248, train_loss: 0.9417, step time: 1.0721
Batch 166/248, train_loss: 0.6995, step time: 1.0554
Batch 167/248, train_loss: 0.7248, step time: 1.0660
Batch 168/248, train_loss: 0.7218, step time: 1.0453
Batch 169/248, train_loss: 0.6895, step time: 1.0639
Batch 170/248, train_loss: 0.8808, step time: 1.0658
Batch 171/248, train_loss: 0.6655, step time: 1.0646
Batch 172/248, train_loss: 0.9542, step time: 1.0693
Batch 173/248, train_loss: 0.6771, step time: 1.0622
Batch 174/248, train_loss: 0.8664, step time: 1.0701
Batch 175/248, train_loss: 0.6926, step time: 1.0476
Batch 176/248, train_loss: 0.7885, step time: 1.0417
Batch 177/248, train_loss: 0.7743, step time: 1.0405
Batch 178/248, train_loss: 0.7286, step time: 1.0590
Batch 179/248, train_loss: 0.6340, step time: 1.0468
Batch 180/248, train_loss: 0.7805, step time: 1.0592
Batch 181/248, train_loss: 0.6770, step time: 1.0637
Batch 182/248, train_loss: 0.9601, step time: 1.0390
Batch 183/248, train_loss: 0.6847, step time: 1.0446
Batch 184/248, train_loss: 0.7935, step time: 1.0670
Batch 185/248, train_loss: 0.7010, step time: 1.0674
Batch 186/248, train_loss: 0.6926, step time: 1.0617
Batch 187/248, train_loss: 0.6985, step time: 1.0550
Batch 188/248, train_loss: 0.7354, step time: 1.0443
Batch 189/248, train_loss: 0.9054, step time: 1.0440
Batch 190/248, train_loss: 0.7058, step time: 1.0411
Batch 191/248, train_loss: 0.8378, step time: 1.0465
Batch 192/248, train_loss: 0.7336, step time: 1.0441
Batch 193/248, train_loss: 0.7456, step time: 1.0558
Batch 194/248, train_loss: 0.7007, step time: 1.0461
Batch 195/248, train_loss: 0.8322, step time: 1.0684
Batch 196/248, train_loss: 1.0000, step time: 1.0466
Batch 197/248, train_loss: 0.7501, step time: 1.0546
Batch 198/248, train_loss: 0.9993, step time: 1.0560
Batch 199/248, train_loss: 0.7211, step time: 1.0461
Batch 200/248, train_loss: 0.7035, step time: 1.0506
Batch 201/248, train_loss: 0.7018, step time: 1.0449
Batch 202/248, train_loss: 0.8146, step time: 1.0534
Batch 203/248, train_loss: 0.9011, step time: 1.0555
Batch 204/248, train_loss: 0.6742, step time: 1.0541
Batch 205/248, train_loss: 0.7676, step time: 1.0575
Batch 206/248, train_loss: 0.7861, step time: 1.0507
Batch 207/248, train_loss: 0.6818, step time: 1.0542
Batch 208/248, train_loss: 0.7155, step time: 1.0652
Batch 209/248, train_loss: 0.7067, step time: 1.0434
Batch 210/248, train_loss: 0.6742, step time: 1.0502
Batch 211/248, train_loss: 0.6773, step time: 1.0663
Batch 212/248, train_loss: 0.7346, step time: 1.0510
Batch 213/248, train_loss: 0.7075, step time: 1.0425
Batch 214/248, train_loss: 0.6841, step time: 1.0427
Batch 215/248, train_loss: 0.7656, step time: 1.0483
Batch 216/248, train_loss: 0.7182, step time: 1.0548
Batch 217/248, train_loss: 0.7726, step time: 1.0716
Batch 218/248, train_loss: 0.9960, step time: 1.0642
Batch 219/248, train_loss: 0.6891, step time: 1.0620
Batch 220/248, train_loss: 0.7680, step time: 1.0660
Batch 221/248, train_loss: 0.7818, step time: 1.0449
Batch 222/248, train_loss: 0.7315, step time: 1.0461
Batch 223/248, train_loss: 0.6569, step time: 1.0554
Batch 224/248, train_loss: 0.6828, step time: 1.0502
Batch 225/248, train_loss: 0.7418, step time: 1.0436
Batch 226/248, train_loss: 0.7389, step time: 1.0491
Batch 227/248, train_loss: 0.6861, step time: 1.0397
Batch 228/248, train_loss: 0.7266, step time: 1.0643
Batch 229/248, train_loss: 0.6740, step time: 1.0409
Batch 230/248, train_loss: 0.6811, step time: 1.0474
Batch 231/248, train_loss: 0.8627, step time: 1.0498
Batch 232/248, train_loss: 0.6810, step time: 1.0552
Batch 233/248, train_loss: 0.9942, step time: 1.0534
Batch 234/248, train_loss: 0.8326, step time: 1.0479
Batch 235/248, train_loss: 0.8104, step time: 1.0434
Batch 236/248, train_loss: 0.9084, step time: 1.0546
Batch 237/248, train_loss: 0.6959, step time: 1.0483
Batch 238/248, train_loss: 0.6938, step time: 1.0499
Batch 239/248, train_loss: 0.6123, step time: 1.0615
Batch 240/248, train_loss: 0.7726, step time: 1.0420
Batch 241/248, train_loss: 0.9924, step time: 1.0651
Batch 242/248, train_loss: 0.7154, step time: 1.0582
Batch 243/248, train_loss: 0.8648, step time: 1.0556

```
Batch 244/248, train_loss: 0.8133, step time: 1.0613  
Batch 245/248, train_loss: 0.6792, step time: 1.0455  
Batch 246/248, train_loss: 0.8732, step time: 1.0518  
Batch 247/248, train_loss: 0.6396, step time: 1.0357  
Batch 248/248, train_loss: 1.0000, step time: 1.0522
```

Labels



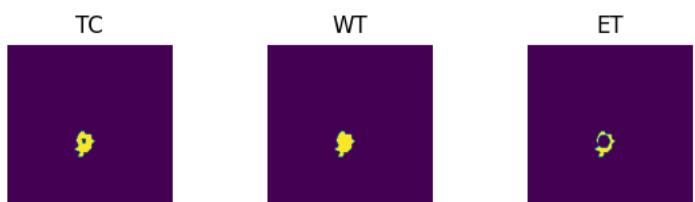
Predictions



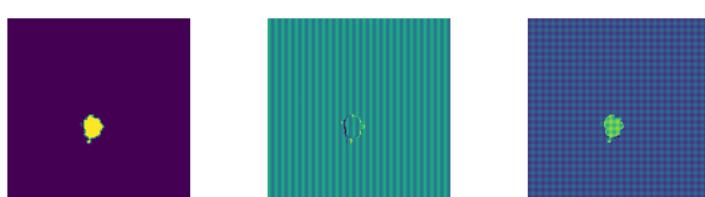
VAL

```
Batch 1/31, val_loss: 0.9290  
Batch 2/31, val_loss: 0.9516  
Batch 3/31, val_loss: 0.9850  
Batch 4/31, val_loss: 0.9744  
Batch 5/31, val_loss: 0.9941  
Batch 6/31, val_loss: 0.8237  
Batch 7/31, val_loss: 0.9181  
Batch 8/31, val_loss: 0.9871  
Batch 9/31, val_loss: 0.8285  
Batch 10/31, val_loss: 0.9609  
Batch 11/31, val_loss: 0.9010  
Batch 12/31, val_loss: 0.9841  
Batch 13/31, val_loss: 0.9819  
Batch 14/31, val_loss: 0.9775  
Batch 15/31, val_loss: 0.9959  
Batch 16/31, val_loss: 0.9872  
Batch 17/31, val_loss: 0.9877  
Batch 18/31, val_loss: 0.9704  
Batch 19/31, val_loss: 0.8768  
Batch 20/31, val_loss: 0.9398  
Batch 21/31, val_loss: 0.9452  
Batch 22/31, val_loss: 0.9910  
Batch 23/31, val_loss: 0.9893  
Batch 24/31, val_loss: 0.8376  
Batch 25/31, val_loss: 0.8925  
Batch 26/31, val_loss: 0.9545  
Batch 27/31, val_loss: 0.9948  
Batch 28/31, val_loss: 0.8765  
Batch 29/31, val_loss: 0.9932  
Batch 30/31, val_loss: 0.9938  
Batch 31/31, val_loss: 0.9843
```

Labels



Predictions



epoch 22

average train loss: 0.7620

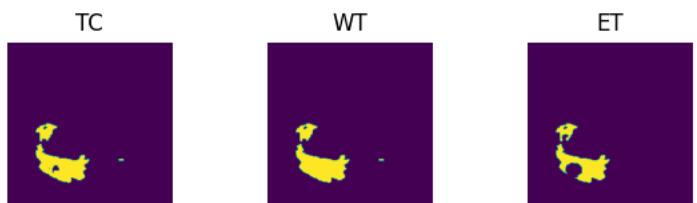
```
average validation loss: 0.9486
saved as best model: False
current mean dice: 0.1584
current TC dice: 0.4484
current WT dice: 0.0096
current ET dice: 0.0184
Best Mean Metric: 0.1684
time consuming of epoch 22 is: 1655.1190
-----
epoch 23/100
TRAIN
Batch 1/248, train_loss: 0.6647, step time: 1.0538
Batch 2/248, train_loss: 0.9510, step time: 1.0497
Batch 3/248, train_loss: 0.8157, step time: 1.0507
Batch 4/248, train_loss: 0.9978, step time: 1.0627
Batch 5/248, train_loss: 0.7560, step time: 1.0577
Batch 6/248, train_loss: 0.8552, step time: 1.0660
Batch 7/248, train_loss: 0.6401, step time: 1.0569
Batch 8/248, train_loss: 0.9129, step time: 1.0588
Batch 9/248, train_loss: 0.6534, step time: 1.0596
Batch 10/248, train_loss: 0.7755, step time: 1.0454
Batch 11/248, train_loss: 0.7046, step time: 1.0408
Batch 12/248, train_loss: 0.7760, step time: 1.0650
Batch 13/248, train_loss: 0.7635, step time: 1.0427
Batch 14/248, train_loss: 0.6310, step time: 1.0653
Batch 15/248, train_loss: 0.7939, step time: 1.0438
Batch 16/248, train_loss: 0.7125, step time: 1.0399
Batch 17/248, train_loss: 0.7384, step time: 1.0620
Batch 18/248, train_loss: 0.8071, step time: 1.0535
Batch 19/248, train_loss: 0.6777, step time: 1.0611
Batch 20/248, train_loss: 0.7635, step time: 1.0678
Batch 21/248, train_loss: 0.6797, step time: 1.0577
Batch 22/248, train_loss: 0.9996, step time: 1.0331
Batch 23/248, train_loss: 0.9941, step time: 1.0663
Batch 24/248, train_loss: 0.6914, step time: 1.0650
Batch 25/248, train_loss: 0.6404, step time: 1.0420
Batch 26/248, train_loss: 0.8269, step time: 1.0499
Batch 27/248, train_loss: 0.6623, step time: 1.0646
Batch 28/248, train_loss: 0.7257, step time: 1.0436
Batch 29/248, train_loss: 0.7904, step time: 1.0467
Batch 30/248, train_loss: 0.8358, step time: 1.0600
Batch 31/248, train_loss: 0.7888, step time: 1.0436
Batch 32/248, train_loss: 0.6864, step time: 1.0512
Batch 33/248, train_loss: 0.6583, step time: 1.0487
Batch 34/248, train_loss: 0.6617, step time: 1.0546
Batch 35/248, train_loss: 0.6800, step time: 1.0642
Batch 36/248, train_loss: 0.8431, step time: 1.0470
Batch 37/248, train_loss: 0.7319, step time: 1.0507
Batch 38/248, train_loss: 0.7583, step time: 1.0680
Batch 39/248, train_loss: 0.7199, step time: 1.0521
Batch 40/248, train_loss: 0.9997, step time: 1.0569
Batch 41/248, train_loss: 0.7228, step time: 1.0721
Batch 42/248, train_loss: 0.6897, step time: 1.0484
Batch 43/248, train_loss: 0.6681, step time: 1.0600
Batch 44/248, train_loss: 0.7913, step time: 1.0502
Batch 45/248, train_loss: 0.8673, step time: 1.0447
Batch 46/248, train_loss: 0.7143, step time: 1.0423
Batch 47/248, train_loss: 0.6954, step time: 1.0567
Batch 48/248, train_loss: 0.7550, step time: 1.0591
Batch 49/248, train_loss: 0.7786, step time: 1.0669
Batch 50/248, train_loss: 0.7100, step time: 1.0570
Batch 51/248, train_loss: 0.7207, step time: 1.0590
Batch 52/248, train_loss: 0.7050, step time: 1.0644
Batch 53/248, train_loss: 0.8027, step time: 1.0604
Batch 54/248, train_loss: 0.7498, step time: 1.0692
Batch 55/248, train_loss: 0.7489, step time: 1.0496
Batch 56/248, train_loss: 0.7416, step time: 1.0496
Batch 57/248, train_loss: 0.7406, step time: 1.0568
Batch 58/248, train_loss: 0.6834, step time: 1.0388
Batch 59/248, train_loss: 0.6906, step time: 1.0669
Batch 60/248, train_loss: 0.6746, step time: 1.0635
Batch 61/248, train_loss: 0.6891, step time: 1.0491
Batch 62/248, train_loss: 0.7681, step time: 1.0417
Batch 63/248, train_loss: 0.8365, step time: 1.0378
Batch 64/248, train_loss: 0.8191, step time: 1.0505
Batch 65/248, train_loss: 0.7534, step time: 1.0547
Batch 66/248, train_loss: 0.7155, step time: 1.0673
Batch 67/248, train_loss: 0.6643, step time: 1.0467
Batch 68/248, train_loss: 0.6876, step time: 1.0528
Batch 69/248, train_loss: 0.9813, step time: 1.0554
Batch 70/248, train_loss: 0.7071, step time: 1.0502
Batch 71/248, train_loss: 0.7049, step time: 1.0488
Batch 72/248, train_loss: 0.6713, step time: 1.0429
Batch 73/248, train_loss: 0.7118, step time: 1.0553
```

Batch 74/248, train_loss: 0.9983, step time: 1.0392
Batch 75/248, train_loss: 0.6930, step time: 1.0655
Batch 76/248, train_loss: 0.8110, step time: 1.0590
Batch 77/248, train_loss: 0.8952, step time: 1.0641
Batch 78/248, train_loss: 0.7141, step time: 1.0601
Batch 79/248, train_loss: 0.7098, step time: 1.0583
Batch 80/248, train_loss: 0.7394, step time: 1.0450
Batch 81/248, train_loss: 0.7354, step time: 1.0653
Batch 82/248, train_loss: 0.6874, step time: 1.0463
Batch 83/248, train_loss: 0.8777, step time: 1.0508
Batch 84/248, train_loss: 0.7253, step time: 1.0604
Batch 85/248, train_loss: 0.7893, step time: 1.0471
Batch 86/248, train_loss: 0.7599, step time: 1.0567
Batch 87/248, train_loss: 0.9045, step time: 1.0512
Batch 88/248, train_loss: 0.7845, step time: 1.0439
Batch 89/248, train_loss: 0.6566, step time: 1.0648
Batch 90/248, train_loss: 0.7837, step time: 1.0417
Batch 91/248, train_loss: 0.7870, step time: 1.0638
Batch 92/248, train_loss: 0.8164, step time: 1.0656
Batch 93/248, train_loss: 0.7092, step time: 1.0522
Batch 94/248, train_loss: 0.7347, step time: 1.0577
Batch 95/248, train_loss: 0.7166, step time: 1.0353
Batch 96/248, train_loss: 0.7184, step time: 1.0676
Batch 97/248, train_loss: 0.8038, step time: 1.0714
Batch 98/248, train_loss: 0.6888, step time: 1.0418
Batch 99/248, train_loss: 0.8026, step time: 1.0463
Batch 100/248, train_loss: 0.7609, step time: 1.0622
Batch 101/248, train_loss: 0.6436, step time: 1.0479
Batch 102/248, train_loss: 0.7098, step time: 1.0439
Batch 103/248, train_loss: 0.7930, step time: 1.0488
Batch 104/248, train_loss: 0.7318, step time: 1.0675
Batch 105/248, train_loss: 0.6735, step time: 1.0547
Batch 106/248, train_loss: 0.7130, step time: 1.0452
Batch 107/248, train_loss: 0.7419, step time: 1.0607
Batch 108/248, train_loss: 0.8679, step time: 1.0663
Batch 109/248, train_loss: 0.9155, step time: 1.0434
Batch 110/248, train_loss: 0.7575, step time: 1.0499
Batch 111/248, train_loss: 0.6823, step time: 1.0501
Batch 112/248, train_loss: 0.6892, step time: 1.0539
Batch 113/248, train_loss: 0.9961, step time: 1.0417
Batch 114/248, train_loss: 0.6755, step time: 1.0581
Batch 115/248, train_loss: 0.7233, step time: 1.0721
Batch 116/248, train_loss: 0.6768, step time: 1.0644
Batch 117/248, train_loss: 0.9914, step time: 1.0603
Batch 118/248, train_loss: 0.7178, step time: 1.0418
Batch 119/248, train_loss: 0.7398, step time: 1.0520
Batch 120/248, train_loss: 0.7511, step time: 1.0500
Batch 121/248, train_loss: 0.7465, step time: 1.0526
Batch 122/248, train_loss: 0.7961, step time: 1.0538
Batch 123/248, train_loss: 0.6832, step time: 1.0712
Batch 124/248, train_loss: 0.7462, step time: 1.0483
Batch 125/248, train_loss: 0.8220, step time: 1.0736
Batch 126/248, train_loss: 0.7065, step time: 1.0490
Batch 127/248, train_loss: 0.6959, step time: 1.0399
Batch 128/248, train_loss: 0.8414, step time: 1.0403
Batch 129/248, train_loss: 0.6762, step time: 1.0610
Batch 130/248, train_loss: 0.6738, step time: 1.0588
Batch 131/248, train_loss: 0.7934, step time: 1.0524
Batch 132/248, train_loss: 0.7331, step time: 1.0453
Batch 133/248, train_loss: 0.6780, step time: 1.0598
Batch 134/248, train_loss: 0.8168, step time: 1.0655
Batch 135/248, train_loss: 0.7257, step time: 1.0441
Batch 136/248, train_loss: 0.7076, step time: 1.0671
Batch 137/248, train_loss: 0.6901, step time: 1.0563
Batch 138/248, train_loss: 0.6683, step time: 1.0380
Batch 139/248, train_loss: 0.7108, step time: 1.0707
Batch 140/248, train_loss: 0.7323, step time: 1.0437
Batch 141/248, train_loss: 0.7193, step time: 1.0457
Batch 142/248, train_loss: 0.9789, step time: 1.0602
Batch 143/248, train_loss: 0.7543, step time: 1.0398
Batch 144/248, train_loss: 0.6978, step time: 1.0390
Batch 145/248, train_loss: 0.6399, step time: 1.0502
Batch 146/248, train_loss: 0.9906, step time: 1.0411
Batch 147/248, train_loss: 0.6313, step time: 1.0446
Batch 148/248, train_loss: 0.9576, step time: 1.0567
Batch 149/248, train_loss: 0.7058, step time: 1.0474
Batch 150/248, train_loss: 0.8762, step time: 1.0486
Batch 151/248, train_loss: 0.8070, step time: 1.0568
Batch 152/248, train_loss: 0.6284, step time: 1.0482
Batch 153/248, train_loss: 0.7541, step time: 1.0735
Batch 154/248, train_loss: 0.7765, step time: 1.0441
Batch 155/248, train_loss: 0.7048, step time: 1.0556
Batch 156/248, train_loss: 0.7276, step time: 1.0521
Batch 157/248, train_loss: 0.7725, step time: 1.0557
Batch 158/248, train_loss: 0.9987, step time: 1.0597

Batch 159/248, train_loss: 0.7584, step time: 1.0615
Batch 160/248, train_loss: 0.6950, step time: 1.0680
Batch 161/248, train_loss: 0.7005, step time: 1.0642
Batch 162/248, train_loss: 0.6301, step time: 1.0473
Batch 163/248, train_loss: 0.7436, step time: 1.0509
Batch 164/248, train_loss: 0.7178, step time: 1.0537
Batch 165/248, train_loss: 0.8962, step time: 1.0501
Batch 166/248, train_loss: 0.6983, step time: 1.0444
Batch 167/248, train_loss: 0.7272, step time: 1.0592
Batch 168/248, train_loss: 0.7209, step time: 1.0470
Batch 169/248, train_loss: 0.6851, step time: 1.0519
Batch 170/248, train_loss: 0.8801, step time: 1.0619
Batch 171/248, train_loss: 0.6682, step time: 1.0583
Batch 172/248, train_loss: 0.9258, step time: 1.0543
Batch 173/248, train_loss: 0.6718, step time: 1.0649
Batch 174/248, train_loss: 0.9579, step time: 1.0502
Batch 175/248, train_loss: 0.7141, step time: 1.0481
Batch 176/248, train_loss: 0.8014, step time: 1.0470
Batch 177/248, train_loss: 0.7837, step time: 1.0691
Batch 178/248, train_loss: 0.8172, step time: 1.0677
Batch 179/248, train_loss: 0.6359, step time: 1.0496
Batch 180/248, train_loss: 0.7941, step time: 1.0558
Batch 181/248, train_loss: 0.6761, step time: 1.0648
Batch 182/248, train_loss: 0.9678, step time: 1.0573
Batch 183/248, train_loss: 0.6921, step time: 1.0668
Batch 184/248, train_loss: 0.8113, step time: 1.0637
Batch 185/248, train_loss: 0.7079, step time: 1.0409
Batch 186/248, train_loss: 0.7008, step time: 1.0459
Batch 187/248, train_loss: 0.7069, step time: 1.0510
Batch 188/248, train_loss: 0.7322, step time: 1.0534
Batch 189/248, train_loss: 0.8943, step time: 1.0599
Batch 190/248, train_loss: 0.7087, step time: 1.0408
Batch 191/248, train_loss: 0.8442, step time: 1.0523
Batch 192/248, train_loss: 0.7228, step time: 1.0600
Batch 193/248, train_loss: 0.7930, step time: 1.0480
Batch 194/248, train_loss: 0.7026, step time: 1.0652
Batch 195/248, train_loss: 0.9989, step time: 1.0670
Batch 196/248, train_loss: 1.0000, step time: 1.0619
Batch 197/248, train_loss: 0.7655, step time: 1.0514
Batch 198/248, train_loss: 0.9998, step time: 1.0484
Batch 199/248, train_loss: 0.7595, step time: 1.0439
Batch 200/248, train_loss: 0.7103, step time: 1.0562
Batch 201/248, train_loss: 0.7009, step time: 1.0458
Batch 202/248, train_loss: 0.7965, step time: 1.0428
Batch 203/248, train_loss: 0.8679, step time: 1.0485
Batch 204/248, train_loss: 0.6686, step time: 1.0678
Batch 205/248, train_loss: 0.7667, step time: 1.0436
Batch 206/248, train_loss: 0.8206, step time: 1.0515
Batch 207/248, train_loss: 0.6878, step time: 1.0475
Batch 208/248, train_loss: 0.7406, step time: 1.0542
Batch 209/248, train_loss: 0.7100, step time: 1.0453
Batch 210/248, train_loss: 0.6750, step time: 1.0414
Batch 211/248, train_loss: 0.6784, step time: 1.0603
Batch 212/248, train_loss: 0.7321, step time: 1.0389
Batch 213/248, train_loss: 0.7030, step time: 1.0399
Batch 214/248, train_loss: 0.6872, step time: 1.0654
Batch 215/248, train_loss: 0.7928, step time: 1.0463
Batch 216/248, train_loss: 0.7184, step time: 1.0375
Batch 217/248, train_loss: 0.7887, step time: 1.0447
Batch 218/248, train_loss: 0.9987, step time: 1.0402
Batch 219/248, train_loss: 0.6864, step time: 1.0461
Batch 220/248, train_loss: 0.7631, step time: 1.0578
Batch 221/248, train_loss: 0.7864, step time: 1.0515
Batch 222/248, train_loss: 0.7504, step time: 1.0566
Batch 223/248, train_loss: 0.6574, step time: 1.0555
Batch 224/248, train_loss: 0.6836, step time: 1.0538
Batch 225/248, train_loss: 0.7419, step time: 1.0546
Batch 226/248, train_loss: 0.7138, step time: 1.0654
Batch 227/248, train_loss: 0.6820, step time: 1.0366
Batch 228/248, train_loss: 0.7654, step time: 1.0379
Batch 229/248, train_loss: 0.6748, step time: 1.0638
Batch 230/248, train_loss: 0.6848, step time: 1.0625
Batch 231/248, train_loss: 0.9979, step time: 1.0716
Batch 232/248, train_loss: 0.6804, step time: 1.0634
Batch 233/248, train_loss: 0.9982, step time: 1.0515
Batch 234/248, train_loss: 0.8346, step time: 1.0613
Batch 235/248, train_loss: 0.7484, step time: 1.0488
Batch 236/248, train_loss: 0.9355, step time: 1.0457
Batch 237/248, train_loss: 0.6927, step time: 1.0649
Batch 238/248, train_loss: 0.7015, step time: 1.0593
Batch 239/248, train_loss: 0.6070, step time: 1.0354
Batch 240/248, train_loss: 0.7793, step time: 1.0484
Batch 241/248, train_loss: 0.8986, step time: 1.0570
Batch 242/248, train_loss: 0.7195, step time: 1.0652
Batch 243/248, train_loss: 0.8544, step time: 1.0441

```
Batch 244/248, train_loss: 0.8514, step time: 1.0516  
Batch 245/248, train_loss: 0.6790, step time: 1.0593  
Batch 246/248, train_loss: 0.8710, step time: 1.0526  
Batch 247/248, train_loss: 0.6423, step time: 1.0532  
Batch 248/248, train_loss: 0.9999, step time: 1.0562
```

Labels



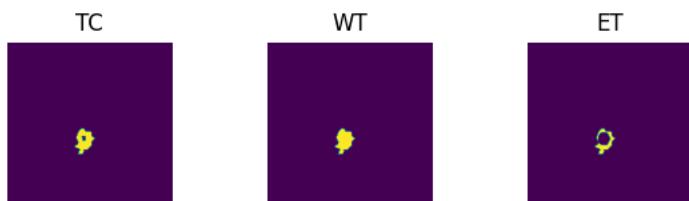
Predictions



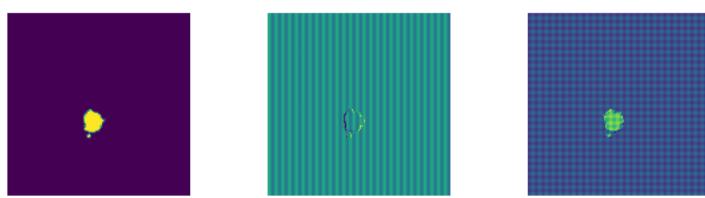
VAL

```
Batch 1/31, val_loss: 0.9304  
Batch 2/31, val_loss: 0.9561  
Batch 3/31, val_loss: 0.9868  
Batch 4/31, val_loss: 0.9751  
Batch 5/31, val_loss: 0.9951  
Batch 6/31, val_loss: 0.8231  
Batch 7/31, val_loss: 0.9140  
Batch 8/31, val_loss: 0.9869  
Batch 9/31, val_loss: 0.8295  
Batch 10/31, val_loss: 0.9776  
Batch 11/31, val_loss: 0.9020  
Batch 12/31, val_loss: 0.9848  
Batch 13/31, val_loss: 0.9843  
Batch 14/31, val_loss: 0.9784  
Batch 15/31, val_loss: 0.9966  
Batch 16/31, val_loss: 0.9887  
Batch 17/31, val_loss: 0.9881  
Batch 18/31, val_loss: 0.9717  
Batch 19/31, val_loss: 0.8771  
Batch 20/31, val_loss: 0.9488  
Batch 21/31, val_loss: 0.9480  
Batch 22/31, val_loss: 0.9900  
Batch 23/31, val_loss: 0.9895  
Batch 24/31, val_loss: 0.8385  
Batch 25/31, val_loss: 0.8932  
Batch 26/31, val_loss: 0.9564  
Batch 27/31, val_loss: 0.9954  
Batch 28/31, val_loss: 0.8727  
Batch 29/31, val_loss: 0.9930  
Batch 30/31, val_loss: 0.9932  
Batch 31/31, val_loss: 0.9848
```

Labels



Predictions



epoch 23

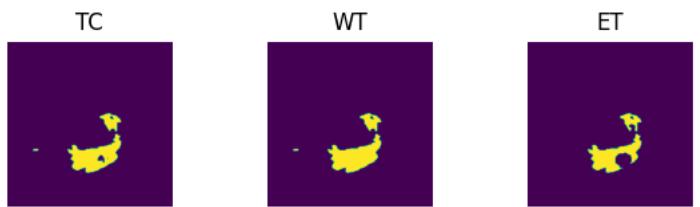
```
average train loss: 0.7622
average validation loss: 0.9500
saved as best model: False
current mean dice: 0.1571
current TC dice: 0.4448
current WT dice: 0.0095
current ET dice: 0.0183
Best Mean Metric: 0.1684
time consuming of epoch 23 is: 1637.7597
-----
epoch 24/100
TRAIN
Batch 1/248, train_loss: 0.6629, step time: 1.0622
Batch 2/248, train_loss: 0.9412, step time: 1.0756
Batch 3/248, train_loss: 0.8039, step time: 1.0674
Batch 4/248, train_loss: 0.9983, step time: 1.0414
Batch 5/248, train_loss: 0.7423, step time: 1.0483
Batch 6/248, train_loss: 0.8536, step time: 1.0628
Batch 7/248, train_loss: 0.6410, step time: 1.0601
Batch 8/248, train_loss: 0.9094, step time: 1.0443
Batch 9/248, train_loss: 0.6545, step time: 1.0515
Batch 10/248, train_loss: 0.7734, step time: 1.0549
Batch 11/248, train_loss: 0.7076, step time: 1.0543
Batch 12/248, train_loss: 0.7594, step time: 1.0652
Batch 13/248, train_loss: 0.7569, step time: 1.0699
Batch 14/248, train_loss: 0.6306, step time: 1.0552
Batch 15/248, train_loss: 0.7957, step time: 1.0611
Batch 16/248, train_loss: 0.7145, step time: 1.0581
Batch 17/248, train_loss: 0.7458, step time: 1.0509
Batch 18/248, train_loss: 0.8198, step time: 1.0611
Batch 19/248, train_loss: 0.6757, step time: 1.0644
Batch 20/248, train_loss: 0.7624, step time: 1.0690
Batch 21/248, train_loss: 0.6770, step time: 1.0475
Batch 22/248, train_loss: 0.9991, step time: 1.0479
Batch 23/248, train_loss: 0.9979, step time: 1.0418
Batch 24/248, train_loss: 0.6913, step time: 1.0492
Batch 25/248, train_loss: 0.6369, step time: 1.0496
Batch 26/248, train_loss: 0.8280, step time: 1.0693
Batch 27/248, train_loss: 0.6606, step time: 1.0514
Batch 28/248, train_loss: 0.7271, step time: 1.0465
Batch 29/248, train_loss: 0.7936, step time: 1.0620
Batch 30/248, train_loss: 0.7393, step time: 1.0596
Batch 31/248, train_loss: 0.7959, step time: 1.0622
Batch 32/248, train_loss: 0.6843, step time: 1.0685
Batch 33/248, train_loss: 0.6601, step time: 1.0460
Batch 34/248, train_loss: 0.6608, step time: 1.0580
Batch 35/248, train_loss: 0.6806, step time: 1.0592
Batch 36/248, train_loss: 0.7772, step time: 1.0408
Batch 37/248, train_loss: 0.7291, step time: 1.0644
Batch 38/248, train_loss: 0.7563, step time: 1.0522
Batch 39/248, train_loss: 0.7288, step time: 1.0572
Batch 40/248, train_loss: 0.9996, step time: 1.0394
Batch 41/248, train_loss: 0.7313, step time: 1.0670
Batch 42/248, train_loss: 0.6840, step time: 1.0367
Batch 43/248, train_loss: 0.6642, step time: 1.0559
Batch 44/248, train_loss: 0.7734, step time: 1.0602
Batch 45/248, train_loss: 0.8760, step time: 1.0694
Batch 46/248, train_loss: 0.7210, step time: 1.0701
Batch 47/248, train_loss: 0.6883, step time: 1.0407
Batch 48/248, train_loss: 0.8528, step time: 1.0314
Batch 49/248, train_loss: 0.7844, step time: 1.0575
Batch 50/248, train_loss: 0.7108, step time: 1.0528
Batch 51/248, train_loss: 0.7302, step time: 1.0434
Batch 52/248, train_loss: 0.7055, step time: 1.0461
Batch 53/248, train_loss: 0.8024, step time: 1.0412
Batch 54/248, train_loss: 0.7484, step time: 1.0709
Batch 55/248, train_loss: 0.7611, step time: 1.0681
Batch 56/248, train_loss: 0.7333, step time: 1.0702
Batch 57/248, train_loss: 0.7504, step time: 1.0611
Batch 58/248, train_loss: 0.6864, step time: 1.0347
Batch 59/248, train_loss: 0.6891, step time: 1.0480
Batch 60/248, train_loss: 0.6761, step time: 1.0585
Batch 61/248, train_loss: 0.6916, step time: 1.0411
Batch 62/248, train_loss: 0.7643, step time: 1.0678
Batch 63/248, train_loss: 0.8222, step time: 1.0445
Batch 64/248, train_loss: 0.7993, step time: 1.0504
Batch 65/248, train_loss: 0.7485, step time: 1.0615
Batch 66/248, train_loss: 0.7143, step time: 1.0439
Batch 67/248, train_loss: 0.6634, step time: 1.0512
Batch 68/248, train_loss: 0.6895, step time: 1.0501
Batch 69/248, train_loss: 0.8953, step time: 1.0604
Batch 70/248, train_loss: 0.7084, step time: 1.0533
Batch 71/248, train_loss: 0.7011, step time: 1.0568
Batch 72/248, train_loss: 0.6734, step time: 1.0412
Batch 73/248, train_loss: 0.7249, step time: 1.0498
```

Batch 74/248, train_loss: 0.9981, step time: 1.0603
Batch 75/248, train_loss: 0.6909, step time: 1.0488
Batch 76/248, train_loss: 0.8524, step time: 1.0568
Batch 77/248, train_loss: 0.8895, step time: 1.0615
Batch 78/248, train_loss: 0.7185, step time: 1.0732
Batch 79/248, train_loss: 0.7168, step time: 1.0723
Batch 80/248, train_loss: 0.7393, step time: 1.0618
Batch 81/248, train_loss: 0.7425, step time: 1.0712
Batch 82/248, train_loss: 0.6875, step time: 1.0473
Batch 83/248, train_loss: 0.8807, step time: 1.0524
Batch 84/248, train_loss: 0.7363, step time: 1.0585
Batch 85/248, train_loss: 0.8004, step time: 1.0351
Batch 86/248, train_loss: 0.7410, step time: 1.0486
Batch 87/248, train_loss: 0.7645, step time: 1.0456
Batch 88/248, train_loss: 0.7815, step time: 1.0433
Batch 89/248, train_loss: 0.6580, step time: 1.0440
Batch 90/248, train_loss: 0.7346, step time: 1.0573
Batch 91/248, train_loss: 0.7805, step time: 1.0584
Batch 92/248, train_loss: 0.7868, step time: 1.0457
Batch 93/248, train_loss: 0.7096, step time: 1.0576
Batch 94/248, train_loss: 0.7483, step time: 1.0515
Batch 95/248, train_loss: 0.7148, step time: 1.0620
Batch 96/248, train_loss: 0.7179, step time: 1.0418
Batch 97/248, train_loss: 0.8170, step time: 1.0519
Batch 98/248, train_loss: 0.6811, step time: 1.0479
Batch 99/248, train_loss: 0.7762, step time: 1.0549
Batch 100/248, train_loss: 0.7435, step time: 1.0665
Batch 101/248, train_loss: 0.6413, step time: 1.0381
Batch 102/248, train_loss: 0.6922, step time: 1.0634
Batch 103/248, train_loss: 0.9510, step time: 1.0374
Batch 104/248, train_loss: 0.7308, step time: 1.0674
Batch 105/248, train_loss: 0.6722, step time: 1.0520
Batch 106/248, train_loss: 0.7109, step time: 1.0619
Batch 107/248, train_loss: 0.9382, step time: 1.0715
Batch 108/248, train_loss: 0.8351, step time: 1.0545
Batch 109/248, train_loss: 0.9957, step time: 1.0460
Batch 110/248, train_loss: 0.7340, step time: 1.0644
Batch 111/248, train_loss: 0.6740, step time: 1.0604
Batch 112/248, train_loss: 0.6789, step time: 1.0402
Batch 113/248, train_loss: 0.9980, step time: 1.0439
Batch 114/248, train_loss: 0.6790, step time: 1.0594
Batch 115/248, train_loss: 0.7163, step time: 1.0650
Batch 116/248, train_loss: 0.6736, step time: 1.0527
Batch 117/248, train_loss: 0.9016, step time: 1.0553
Batch 118/248, train_loss: 0.7566, step time: 1.0549
Batch 119/248, train_loss: 0.7433, step time: 1.0423
Batch 120/248, train_loss: 0.7296, step time: 1.0494
Batch 121/248, train_loss: 0.7603, step time: 1.0688
Batch 122/248, train_loss: 0.7902, step time: 1.0578
Batch 123/248, train_loss: 0.6887, step time: 1.0507
Batch 124/248, train_loss: 0.7583, step time: 1.0680
Batch 125/248, train_loss: 0.9816, step time: 1.0508
Batch 126/248, train_loss: 0.7763, step time: 1.0543
Batch 127/248, train_loss: 0.7216, step time: 1.0477
Batch 128/248, train_loss: 0.9329, step time: 1.0599
Batch 129/248, train_loss: 0.6775, step time: 1.0517
Batch 130/248, train_loss: 0.6763, step time: 1.0545
Batch 131/248, train_loss: 0.9384, step time: 1.0694
Batch 132/248, train_loss: 0.9060, step time: 1.0632
Batch 133/248, train_loss: 0.6519, step time: 1.0372
Batch 134/248, train_loss: 0.9944, step time: 1.0606
Batch 135/248, train_loss: 0.9033, step time: 1.0683
Batch 136/248, train_loss: 0.7651, step time: 1.0384
Batch 137/248, train_loss: 0.6796, step time: 1.0552
Batch 138/248, train_loss: 0.6747, step time: 1.0564
Batch 139/248, train_loss: 0.7550, step time: 1.0538
Batch 140/248, train_loss: 0.7361, step time: 1.0454
Batch 141/248, train_loss: 0.7340, step time: 1.0516
Batch 142/248, train_loss: 0.9430, step time: 1.0510
Batch 143/248, train_loss: 0.7462, step time: 1.0655
Batch 144/248, train_loss: 0.6983, step time: 1.0568
Batch 145/248, train_loss: 0.6428, step time: 1.0538
Batch 146/248, train_loss: 0.9277, step time: 1.0444
Batch 147/248, train_loss: 0.6327, step time: 1.0626
Batch 148/248, train_loss: 0.9743, step time: 1.0350
Batch 149/248, train_loss: 0.7056, step time: 1.0452
Batch 150/248, train_loss: 0.8661, step time: 1.0623
Batch 151/248, train_loss: 0.8155, step time: 1.0381
Batch 152/248, train_loss: 0.6313, step time: 1.0472
Batch 153/248, train_loss: 0.8236, step time: 1.0612
Batch 154/248, train_loss: 0.9315, step time: 1.0467
Batch 155/248, train_loss: 0.7183, step time: 1.0357
Batch 156/248, train_loss: 0.7471, step time: 1.0374
Batch 157/248, train_loss: 0.7670, step time: 1.0584
Batch 158/248, train_loss: 0.9992, step time: 1.0456

Batch 159/248, train_loss: 0.7623, step time: 1.0431
Batch 160/248, train_loss: 0.6854, step time: 1.0619
Batch 161/248, train_loss: 0.6882, step time: 1.0398
Batch 162/248, train_loss: 0.6561, step time: 1.0393
Batch 163/248, train_loss: 0.7697, step time: 1.0582
Batch 164/248, train_loss: 0.7175, step time: 1.0363
Batch 165/248, train_loss: 0.9022, step time: 1.0516
Batch 166/248, train_loss: 0.7090, step time: 1.0592
Batch 167/248, train_loss: 0.7182, step time: 1.0486
Batch 168/248, train_loss: 0.7213, step time: 1.0356
Batch 169/248, train_loss: 0.6882, step time: 1.0326
Batch 170/248, train_loss: 0.8496, step time: 1.0637
Batch 171/248, train_loss: 0.6659, step time: 1.0493
Batch 172/248, train_loss: 0.9790, step time: 1.0378
Batch 173/248, train_loss: 0.6745, step time: 1.0415
Batch 174/248, train_loss: 0.9904, step time: 1.0552
Batch 175/248, train_loss: 0.7185, step time: 1.0614
Batch 176/248, train_loss: 0.8027, step time: 1.0435
Batch 177/248, train_loss: 0.7827, step time: 1.0542
Batch 178/248, train_loss: 0.7394, step time: 1.0568
Batch 179/248, train_loss: 0.6393, step time: 1.0374
Batch 180/248, train_loss: 0.7961, step time: 1.0448
Batch 181/248, train_loss: 0.6748, step time: 1.0485
Batch 182/248, train_loss: 0.9607, step time: 1.0576
Batch 183/248, train_loss: 0.6861, step time: 1.0595
Batch 184/248, train_loss: 0.7956, step time: 1.0660
Batch 185/248, train_loss: 0.7144, step time: 1.0439
Batch 186/248, train_loss: 0.7032, step time: 1.0544
Batch 187/248, train_loss: 0.7073, step time: 1.0570
Batch 188/248, train_loss: 0.7343, step time: 1.0552
Batch 189/248, train_loss: 0.9109, step time: 1.0407
Batch 190/248, train_loss: 0.7051, step time: 1.0361
Batch 191/248, train_loss: 0.8568, step time: 1.0599
Batch 192/248, train_loss: 0.7299, step time: 1.0548
Batch 193/248, train_loss: 0.7459, step time: 1.0515
Batch 194/248, train_loss: 0.6996, step time: 1.0350
Batch 195/248, train_loss: 0.8358, step time: 1.0380
Batch 196/248, train_loss: 1.0000, step time: 1.0265
Batch 197/248, train_loss: 0.7490, step time: 1.0352
Batch 198/248, train_loss: 0.9996, step time: 1.0562
Batch 199/248, train_loss: 0.7150, step time: 1.0339
Batch 200/248, train_loss: 0.7078, step time: 1.0400
Batch 201/248, train_loss: 0.7027, step time: 1.0433
Batch 202/248, train_loss: 0.7925, step time: 1.0394
Batch 203/248, train_loss: 0.8697, step time: 1.0520
Batch 204/248, train_loss: 0.6717, step time: 1.0475
Batch 205/248, train_loss: 0.7871, step time: 1.0423
Batch 206/248, train_loss: 0.8623, step time: 1.0409
Batch 207/248, train_loss: 0.6816, step time: 1.0571
Batch 208/248, train_loss: 0.7217, step time: 1.0490
Batch 209/248, train_loss: 0.7076, step time: 1.0340
Batch 210/248, train_loss: 0.6726, step time: 1.0307
Batch 211/248, train_loss: 0.6790, step time: 1.0399
Batch 212/248, train_loss: 0.7452, step time: 1.0357
Batch 213/248, train_loss: 0.7024, step time: 1.0494
Batch 214/248, train_loss: 0.6892, step time: 1.0370
Batch 215/248, train_loss: 0.7627, step time: 1.0324
Batch 216/248, train_loss: 0.7190, step time: 1.0366
Batch 217/248, train_loss: 0.7809, step time: 1.0367
Batch 218/248, train_loss: 0.9789, step time: 1.0489
Batch 219/248, train_loss: 0.6868, step time: 1.0561
Batch 220/248, train_loss: 0.7703, step time: 1.0390
Batch 221/248, train_loss: 0.7818, step time: 1.0401
Batch 222/248, train_loss: 0.7397, step time: 1.0588
Batch 223/248, train_loss: 0.6563, step time: 1.0303
Batch 224/248, train_loss: 0.6829, step time: 1.0588
Batch 225/248, train_loss: 0.7436, step time: 1.0303
Batch 226/248, train_loss: 0.7140, step time: 1.0444
Batch 227/248, train_loss: 0.6842, step time: 1.0459
Batch 228/248, train_loss: 0.7638, step time: 1.0630
Batch 229/248, train_loss: 0.6767, step time: 1.0597
Batch 230/248, train_loss: 0.6813, step time: 1.0491
Batch 231/248, train_loss: 0.9237, step time: 1.0369
Batch 232/248, train_loss: 0.6816, step time: 1.0589
Batch 233/248, train_loss: 0.9972, step time: 1.0517
Batch 234/248, train_loss: 0.8368, step time: 1.0594
Batch 235/248, train_loss: 0.7659, step time: 1.0638
Batch 236/248, train_loss: 0.9082, step time: 1.0522
Batch 237/248, train_loss: 0.6961, step time: 1.0558
Batch 238/248, train_loss: 0.6994, step time: 1.0571
Batch 239/248, train_loss: 0.6067, step time: 1.0609
Batch 240/248, train_loss: 0.7769, step time: 1.0635
Batch 241/248, train_loss: 0.9958, step time: 1.0524
Batch 242/248, train_loss: 0.7218, step time: 1.0614
Batch 243/248, train_loss: 0.9455, step time: 1.0472

```
Batch 243/248, train_loss: 0.6455, step time: 1.0472  
Batch 244/248, train_loss: 0.8321, step time: 1.0392  
Batch 245/248, train_loss: 0.6779, step time: 1.0484  
Batch 246/248, train_loss: 0.8524, step time: 1.0667  
Batch 247/248, train_loss: 0.6423, step time: 1.0362  
Batch 248/248, train_loss: 1.0000, step time: 1.0299
```

Labels



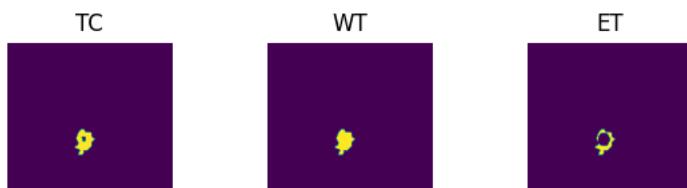
Predictions



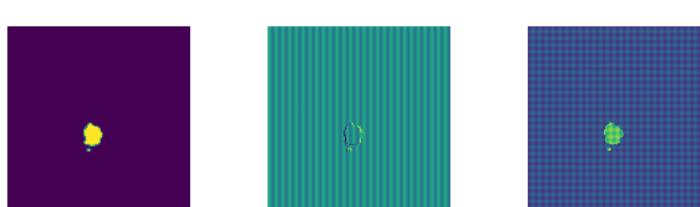
VAL

```
Batch 1/31, val_loss: 0.9300  
Batch 2/31, val_loss: 0.9607  
Batch 3/31, val_loss: 0.9861  
Batch 4/31, val_loss: 0.9750  
Batch 5/31, val_loss: 0.9954  
Batch 6/31, val_loss: 0.8241  
Batch 7/31, val_loss: 0.9116  
Batch 8/31, val_loss: 0.9866  
Batch 9/31, val_loss: 0.8287  
Batch 10/31, val_loss: 0.9694  
Batch 11/31, val_loss: 0.9024  
Batch 12/31, val_loss: 0.9849  
Batch 13/31, val_loss: 0.9832  
Batch 14/31, val_loss: 0.9785  
Batch 15/31, val_loss: 0.9959  
Batch 16/31, val_loss: 0.9877  
Batch 17/31, val_loss: 0.9873  
Batch 18/31, val_loss: 0.9705  
Batch 19/31, val_loss: 0.8768  
Batch 20/31, val_loss: 0.9403  
Batch 21/31, val_loss: 0.9453  
Batch 22/31, val_loss: 0.9904  
Batch 23/31, val_loss: 0.9863  
Batch 24/31, val_loss: 0.8369  
Batch 25/31, val_loss: 0.8920  
Batch 26/31, val_loss: 0.9570  
Batch 27/31, val_loss: 0.9943  
Batch 28/31, val_loss: 0.8745  
Batch 29/31, val_loss: 0.9934  
Batch 30/31, val_loss: 0.9951  
Batch 31/31, val_loss: 0.9846
```

Labels



Predictions



epoch 24

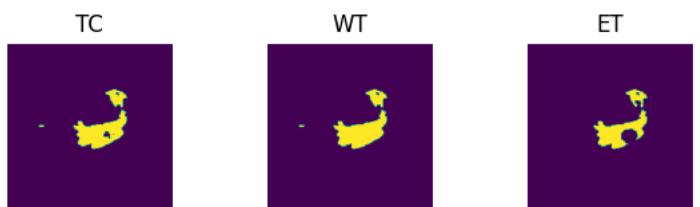
```
average train loss: 0.7658
average validation loss: 0.9492
saved as best model: False
current mean dice: 0.1547
current TC dice: 0.4376
current WT dice: 0.0095
current ET dice: 0.0185
Best Mean Metric: 0.1684
time consuming of epoch 24 is: 1646.6114
-----
epoch 25/100
TRAIN
Batch 1/248, train_loss: 0.6616, step time: 1.0650
Batch 2/248, train_loss: 0.9545, step time: 1.0364
Batch 3/248, train_loss: 0.7918, step time: 1.0646
Batch 4/248, train_loss: 0.9993, step time: 1.0322
Batch 5/248, train_loss: 0.7310, step time: 1.0578
Batch 6/248, train_loss: 0.8583, step time: 1.0544
Batch 7/248, train_loss: 0.6462, step time: 1.0587
Batch 8/248, train_loss: 0.9130, step time: 1.0340
Batch 9/248, train_loss: 0.6531, step time: 1.0350
Batch 10/248, train_loss: 0.7534, step time: 1.0620
Batch 11/248, train_loss: 0.7068, step time: 1.0514
Batch 12/248, train_loss: 0.7673, step time: 1.0405
Batch 13/248, train_loss: 0.7680, step time: 1.0479
Batch 14/248, train_loss: 0.6364, step time: 1.0321
Batch 15/248, train_loss: 0.7823, step time: 1.0395
Batch 16/248, train_loss: 0.7099, step time: 1.0549
Batch 17/248, train_loss: 0.7426, step time: 1.0345
Batch 18/248, train_loss: 0.8416, step time: 1.0401
Batch 19/248, train_loss: 0.6760, step time: 1.0405
Batch 20/248, train_loss: 0.7768, step time: 1.0474
Batch 21/248, train_loss: 0.6758, step time: 1.0513
Batch 22/248, train_loss: 0.9996, step time: 1.0488
Batch 23/248, train_loss: 0.9972, step time: 1.0369
Batch 24/248, train_loss: 0.6898, step time: 1.0557
Batch 25/248, train_loss: 0.6362, step time: 1.0536
Batch 26/248, train_loss: 0.8271, step time: 1.0407
Batch 27/248, train_loss: 0.6616, step time: 1.0357
Batch 28/248, train_loss: 0.7268, step time: 1.0607
Batch 29/248, train_loss: 0.8301, step time: 1.0485
Batch 30/248, train_loss: 0.7441, step time: 1.0310
Batch 31/248, train_loss: 0.7855, step time: 1.0468
Batch 32/248, train_loss: 0.6860, step time: 1.0535
Batch 33/248, train_loss: 0.6580, step time: 1.0530
Batch 34/248, train_loss: 0.6623, step time: 1.0341
Batch 35/248, train_loss: 0.6817, step time: 1.0381
Batch 36/248, train_loss: 0.8875, step time: 1.0576
Batch 37/248, train_loss: 0.7296, step time: 1.0405
Batch 38/248, train_loss: 0.7538, step time: 1.0498
Batch 39/248, train_loss: 0.7279, step time: 1.0547
Batch 40/248, train_loss: 0.9996, step time: 1.0445
Batch 41/248, train_loss: 0.7162, step time: 1.0595
Batch 42/248, train_loss: 0.6890, step time: 1.0483
Batch 43/248, train_loss: 0.6632, step time: 1.0422
Batch 44/248, train_loss: 0.7628, step time: 1.0323
Batch 45/248, train_loss: 0.8662, step time: 1.0422
Batch 46/248, train_loss: 0.7125, step time: 1.0464
Batch 47/248, train_loss: 0.6934, step time: 1.0381
Batch 48/248, train_loss: 0.7487, step time: 1.0443
Batch 49/248, train_loss: 0.7711, step time: 1.0327
Batch 50/248, train_loss: 0.7150, step time: 1.0410
Batch 51/248, train_loss: 0.7220, step time: 1.0382
Batch 52/248, train_loss: 0.7042, step time: 1.0450
Batch 53/248, train_loss: 0.7894, step time: 1.0454
Batch 54/248, train_loss: 0.7476, step time: 1.0581
Batch 55/248, train_loss: 0.7495, step time: 1.0358
Batch 56/248, train_loss: 0.7377, step time: 1.0514
Batch 57/248, train_loss: 0.7456, step time: 1.0318
Batch 58/248, train_loss: 0.6833, step time: 1.0303
Batch 59/248, train_loss: 0.6906, step time: 1.0544
Batch 60/248, train_loss: 0.6755, step time: 1.0614
Batch 61/248, train_loss: 0.6914, step time: 1.0352
Batch 62/248, train_loss: 0.7684, step time: 1.0355
Batch 63/248, train_loss: 0.8414, step time: 1.0341
Batch 64/248, train_loss: 0.8098, step time: 1.0317
Batch 65/248, train_loss: 0.7852, step time: 1.0464
Batch 66/248, train_loss: 0.7182, step time: 1.0435
Batch 67/248, train_loss: 0.6625, step time: 1.0358
Batch 68/248, train_loss: 0.6901, step time: 1.0371
Batch 69/248, train_loss: 0.8171, step time: 1.0399
Batch 70/248, train_loss: 0.7068, step time: 1.0311
Batch 71/248, train_loss: 0.6949, step time: 1.0341
Batch 72/248, train_loss: 0.6714, step time: 1.0366
Batch 73/248, train_loss: 0.7128, step time: 1.0516
```

Batch 74/248, train_loss: 0.9980, step time: 1.0529
Batch 75/248, train_loss: 0.6896, step time: 1.0381
Batch 76/248, train_loss: 0.8427, step time: 1.0362
Batch 77/248, train_loss: 0.9089, step time: 1.0381
Batch 78/248, train_loss: 0.7026, step time: 1.0370
Batch 79/248, train_loss: 0.7093, step time: 1.0327
Batch 80/248, train_loss: 0.7294, step time: 1.0313
Batch 81/248, train_loss: 0.7308, step time: 1.0378
Batch 82/248, train_loss: 0.6836, step time: 1.0390
Batch 83/248, train_loss: 0.8669, step time: 1.0362
Batch 84/248, train_loss: 0.7330, step time: 1.0378
Batch 85/248, train_loss: 0.7922, step time: 1.0424
Batch 86/248, train_loss: 0.7809, step time: 1.0519
Batch 87/248, train_loss: 0.7758, step time: 1.0390
Batch 88/248, train_loss: 0.7905, step time: 1.0555
Batch 89/248, train_loss: 0.6549, step time: 1.0344
Batch 90/248, train_loss: 0.7521, step time: 1.0401
Batch 91/248, train_loss: 0.7757, step time: 1.1839
Batch 92/248, train_loss: 0.8121, step time: 1.0341
Batch 93/248, train_loss: 0.7061, step time: 1.0527
Batch 94/248, train_loss: 0.7438, step time: 1.0365
Batch 95/248, train_loss: 0.7164, step time: 1.0402
Batch 96/248, train_loss: 0.7273, step time: 1.0451
Batch 97/248, train_loss: 0.7831, step time: 1.0380
Batch 98/248, train_loss: 0.6798, step time: 1.0426
Batch 99/248, train_loss: 0.7782, step time: 1.0355
Batch 100/248, train_loss: 0.7519, step time: 1.0354
Batch 101/248, train_loss: 0.6422, step time: 1.0348
Batch 102/248, train_loss: 0.7192, step time: 1.0422
Batch 103/248, train_loss: 0.7879, step time: 1.0376
Batch 104/248, train_loss: 0.7464, step time: 1.0435
Batch 105/248, train_loss: 0.6740, step time: 1.0567
Batch 106/248, train_loss: 0.7101, step time: 1.0311
Batch 107/248, train_loss: 0.7393, step time: 1.0565
Batch 108/248, train_loss: 0.8536, step time: 1.0465
Batch 109/248, train_loss: 0.9292, step time: 1.0282
Batch 110/248, train_loss: 0.7115, step time: 1.0396
Batch 111/248, train_loss: 0.6928, step time: 1.0475
Batch 112/248, train_loss: 0.6889, step time: 1.0345
Batch 113/248, train_loss: 0.9987, step time: 1.0402
Batch 114/248, train_loss: 0.6764, step time: 1.0439
Batch 115/248, train_loss: 0.7117, step time: 1.0357
Batch 116/248, train_loss: 0.6800, step time: 1.0398
Batch 117/248, train_loss: 0.9137, step time: 1.0307
Batch 118/248, train_loss: 0.7437, step time: 1.0539
Batch 119/248, train_loss: 0.7399, step time: 1.0468
Batch 120/248, train_loss: 0.7497, step time: 1.0525
Batch 121/248, train_loss: 0.7517, step time: 1.0356
Batch 122/248, train_loss: 0.8331, step time: 1.0364
Batch 123/248, train_loss: 0.6794, step time: 1.0291
Batch 124/248, train_loss: 0.7400, step time: 1.0498
Batch 125/248, train_loss: 0.8150, step time: 1.0301
Batch 126/248, train_loss: 0.7237, step time: 1.0422
Batch 127/248, train_loss: 0.6972, step time: 1.0358
Batch 128/248, train_loss: 0.8269, step time: 1.0569
Batch 129/248, train_loss: 0.6720, step time: 1.0403
Batch 130/248, train_loss: 0.6713, step time: 1.0378
Batch 131/248, train_loss: 0.7727, step time: 1.0366
Batch 132/248, train_loss: 0.7305, step time: 1.0391
Batch 133/248, train_loss: 0.6690, step time: 1.0441
Batch 134/248, train_loss: 0.8595, step time: 1.0496
Batch 135/248, train_loss: 0.7193, step time: 1.0478
Batch 136/248, train_loss: 0.7088, step time: 1.0427
Batch 137/248, train_loss: 0.6916, step time: 1.0404
Batch 138/248, train_loss: 0.6709, step time: 1.0461
Batch 139/248, train_loss: 0.7196, step time: 1.0348
Batch 140/248, train_loss: 0.7750, step time: 1.0345
Batch 141/248, train_loss: 0.7078, step time: 1.0580
Batch 142/248, train_loss: 0.9771, step time: 1.0374
Batch 143/248, train_loss: 0.7490, step time: 1.0618
Batch 144/248, train_loss: 0.6987, step time: 1.0423
Batch 145/248, train_loss: 0.6421, step time: 1.0425
Batch 146/248, train_loss: 0.8367, step time: 1.0418
Batch 147/248, train_loss: 0.6318, step time: 1.0358
Batch 148/248, train_loss: 0.9268, step time: 1.0541
Batch 149/248, train_loss: 0.7104, step time: 1.0334
Batch 150/248, train_loss: 0.8652, step time: 1.0558
Batch 151/248, train_loss: 0.7525, step time: 1.0383
Batch 152/248, train_loss: 0.6311, step time: 1.0301
Batch 153/248, train_loss: 0.7482, step time: 1.0439
Batch 154/248, train_loss: 0.7884, step time: 1.0555
Batch 155/248, train_loss: 0.7127, step time: 1.0420
Batch 156/248, train_loss: 0.7175, step time: 1.0430
Batch 157/248, train_loss: 0.7486, step time: 1.0318

Batch 158/248, train_loss: 0.9991, step time: 1.0508
Batch 159/248, train_loss: 0.7805, step time: 1.0299
Batch 160/248, train_loss: 0.6909, step time: 1.0332
Batch 161/248, train_loss: 0.6962, step time: 1.0481
Batch 162/248, train_loss: 0.6327, step time: 1.0294
Batch 163/248, train_loss: 0.7184, step time: 1.0431
Batch 164/248, train_loss: 0.7445, step time: 1.0496
Batch 165/248, train_loss: 0.9174, step time: 1.0465
Batch 166/248, train_loss: 0.6987, step time: 1.0476
Batch 167/248, train_loss: 0.7215, step time: 1.0359
Batch 168/248, train_loss: 0.7232, step time: 1.0327
Batch 169/248, train_loss: 0.6864, step time: 1.0533
Batch 170/248, train_loss: 0.8987, step time: 1.0600
Batch 171/248, train_loss: 0.6654, step time: 1.0348
Batch 172/248, train_loss: 0.9207, step time: 1.0301
Batch 173/248, train_loss: 0.6816, step time: 1.0477
Batch 174/248, train_loss: 0.8703, step time: 1.0348
Batch 175/248, train_loss: 0.6875, step time: 1.0446
Batch 176/248, train_loss: 0.7868, step time: 1.0300
Batch 177/248, train_loss: 0.7529, step time: 1.0496
Batch 178/248, train_loss: 0.7217, step time: 1.0421
Batch 179/248, train_loss: 0.6300, step time: 1.0430
Batch 180/248, train_loss: 0.7868, step time: 1.0291
Batch 181/248, train_loss: 0.6754, step time: 1.0370
Batch 182/248, train_loss: 0.9651, step time: 1.0389
Batch 183/248, train_loss: 0.6913, step time: 1.0441
Batch 184/248, train_loss: 0.8253, step time: 1.0344
Batch 185/248, train_loss: 0.7014, step time: 1.0380
Batch 186/248, train_loss: 0.6936, step time: 1.0342
Batch 187/248, train_loss: 0.7067, step time: 1.0534
Batch 188/248, train_loss: 0.7364, step time: 1.0607
Batch 189/248, train_loss: 0.8722, step time: 1.0345
Batch 190/248, train_loss: 0.7055, step time: 1.0385
Batch 191/248, train_loss: 0.8605, step time: 1.0415
Batch 192/248, train_loss: 0.7278, step time: 1.0286
Batch 193/248, train_loss: 0.7425, step time: 1.0416
Batch 194/248, train_loss: 0.7028, step time: 1.0569
Batch 195/248, train_loss: 0.9993, step time: 1.0289
Batch 196/248, train_loss: 0.9999, step time: 1.0428
Batch 197/248, train_loss: 0.7652, step time: 1.0354
Batch 198/248, train_loss: 0.9987, step time: 1.0381
Batch 199/248, train_loss: 0.7224, step time: 1.0587
Batch 200/248, train_loss: 0.7001, step time: 1.0531
Batch 201/248, train_loss: 0.7034, step time: 1.0496
Batch 202/248, train_loss: 0.8004, step time: 1.0483
Batch 203/248, train_loss: 0.8549, step time: 1.0532
Batch 204/248, train_loss: 0.6814, step time: 1.0459
Batch 205/248, train_loss: 0.7682, step time: 1.0321
Batch 206/248, train_loss: 0.9031, step time: 1.0427
Batch 207/248, train_loss: 0.6839, step time: 1.0348
Batch 208/248, train_loss: 0.7223, step time: 1.0422
Batch 209/248, train_loss: 0.7045, step time: 1.0474
Batch 210/248, train_loss: 0.6764, step time: 1.0506
Batch 211/248, train_loss: 0.6797, step time: 1.0549
Batch 212/248, train_loss: 0.7451, step time: 1.0319
Batch 213/248, train_loss: 0.7092, step time: 1.0510
Batch 214/248, train_loss: 0.6841, step time: 1.0405
Batch 215/248, train_loss: 0.7728, step time: 1.0588
Batch 216/248, train_loss: 0.7267, step time: 1.0398
Batch 217/248, train_loss: 0.7756, step time: 1.0621
Batch 218/248, train_loss: 0.9604, step time: 1.0397
Batch 219/248, train_loss: 0.6935, step time: 1.0427
Batch 220/248, train_loss: 0.7664, step time: 1.0408
Batch 221/248, train_loss: 0.7397, step time: 1.0475
Batch 222/248, train_loss: 0.7316, step time: 1.0577
Batch 223/248, train_loss: 0.6575, step time: 1.0315
Batch 224/248, train_loss: 0.6835, step time: 1.0333
Batch 225/248, train_loss: 0.7685, step time: 1.0449
Batch 226/248, train_loss: 0.7355, step time: 1.0402
Batch 227/248, train_loss: 0.6878, step time: 1.0384
Batch 228/248, train_loss: 0.7339, step time: 1.0364
Batch 229/248, train_loss: 0.6737, step time: 1.0468
Batch 230/248, train_loss: 0.6825, step time: 1.0598
Batch 231/248, train_loss: 0.7615, step time: 1.0391
Batch 232/248, train_loss: 0.6839, step time: 1.0403
Batch 233/248, train_loss: 0.9873, step time: 1.0483
Batch 234/248, train_loss: 0.8317, step time: 1.0528
Batch 235/248, train_loss: 0.7701, step time: 1.0534
Batch 236/248, train_loss: 0.9041, step time: 1.0395
Batch 237/248, train_loss: 0.6951, step time: 1.0370
Batch 238/248, train_loss: 0.6914, step time: 1.0585
Batch 239/248, train_loss: 0.6223, step time: 1.0343
Batch 240/248, train_loss: 0.8153, step time: 1.0360
Batch 241/248, train_loss: 0.9115, step time: 1.0612
Batch 242/248, train_loss: 0.7181, step time: 1.0277

```
Batch 243/248, train_loss: 0.8327, step time: 1.0342  
Batch 244/248, train_loss: 0.8060, step time: 1.0390  
Batch 245/248, train_loss: 0.6796, step time: 1.0302  
Batch 246/248, train_loss: 0.8437, step time: 1.0556  
Batch 247/248, train_loss: 0.6490, step time: 1.0573  
Batch 248/248, train_loss: 0.9999, step time: 1.0554
```

Labels



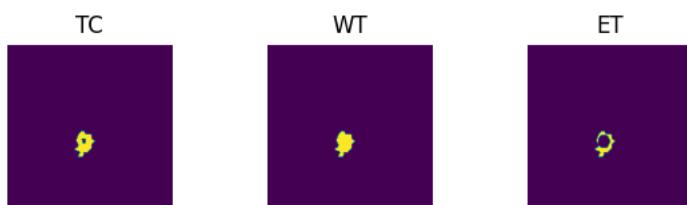
Predictions



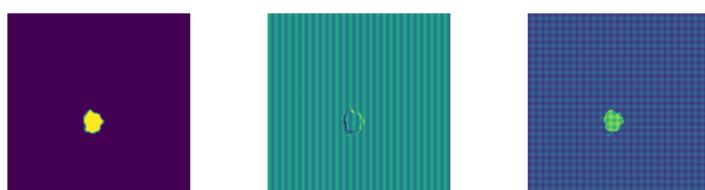
VAL

```
Batch 1/31, val_loss: 0.9191  
Batch 2/31, val_loss: 0.9479  
Batch 3/31, val_loss: 0.9847  
Batch 4/31, val_loss: 0.9744  
Batch 5/31, val_loss: 0.9937  
Batch 6/31, val_loss: 0.8253  
Batch 7/31, val_loss: 0.9080  
Batch 8/31, val_loss: 0.9844  
Batch 9/31, val_loss: 0.8282  
Batch 10/31, val_loss: 0.9639  
Batch 11/31, val_loss: 0.8976  
Batch 12/31, val_loss: 0.9839  
Batch 13/31, val_loss: 0.9802  
Batch 14/31, val_loss: 0.9726  
Batch 15/31, val_loss: 0.9957  
Batch 16/31, val_loss: 0.9767  
Batch 17/31, val_loss: 0.9857  
Batch 18/31, val_loss: 0.9700  
Batch 19/31, val_loss: 0.8730  
Batch 20/31, val_loss: 0.9396  
Batch 21/31, val_loss: 0.9621  
Batch 22/31, val_loss: 0.9900  
Batch 23/31, val_loss: 0.9843  
Batch 24/31, val_loss: 0.8368  
Batch 25/31, val_loss: 0.8866  
Batch 26/31, val_loss: 0.9536  
Batch 27/31, val_loss: 0.9944  
Batch 28/31, val_loss: 0.8750  
Batch 29/31, val_loss: 0.9924  
Batch 30/31, val_loss: 0.9888  
Batch 31/31, val_loss: 0.9839
```

Labels



Predictions



epoch 25

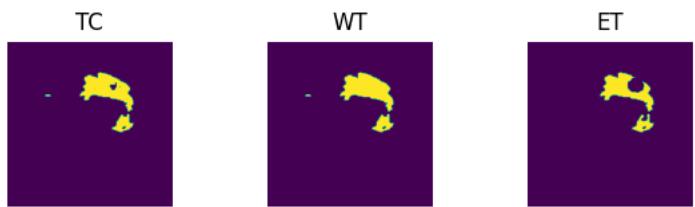
```
epoch 25
average train loss: 0.7568
average validation loss: 0.9469
saved as best model: True
current mean dice: 0.1786
current TC dice: 0.5082
current WT dice: 0.0094
current ET dice: 0.0184
Best Mean Metric: 0.1786
time consuming of epoch 25 is: 1660.0213
-----
epoch 26/100
TRAIN
Batch 1/248, train_loss: 0.6627, step time: 1.0391
Batch 2/248, train_loss: 0.9321, step time: 1.0631
Batch 3/248, train_loss: 0.8074, step time: 1.0605
Batch 4/248, train_loss: 0.9975, step time: 1.0463
Batch 5/248, train_loss: 0.7284, step time: 1.0298
Batch 6/248, train_loss: 0.7739, step time: 1.0520
Batch 7/248, train_loss: 0.6432, step time: 1.0394
Batch 8/248, train_loss: 0.9066, step time: 1.0419
Batch 9/248, train_loss: 0.6538, step time: 1.0433
Batch 10/248, train_loss: 0.7646, step time: 1.0456
Batch 11/248, train_loss: 0.7030, step time: 1.0432
Batch 12/248, train_loss: 0.7631, step time: 1.0376
Batch 13/248, train_loss: 0.7527, step time: 1.0496
Batch 14/248, train_loss: 0.6311, step time: 1.0342
Batch 15/248, train_loss: 0.7924, step time: 1.0312
Batch 16/248, train_loss: 0.7131, step time: 1.0378
Batch 17/248, train_loss: 0.7312, step time: 1.0623
Batch 18/248, train_loss: 0.7942, step time: 1.0410
Batch 19/248, train_loss: 0.6928, step time: 1.0520
Batch 20/248, train_loss: 0.7375, step time: 1.0506
Batch 21/248, train_loss: 0.6801, step time: 1.0495
Batch 22/248, train_loss: 0.9934, step time: 1.0334
Batch 23/248, train_loss: 0.9978, step time: 1.0482
Batch 24/248, train_loss: 0.6907, step time: 1.0599
Batch 25/248, train_loss: 0.6394, step time: 1.0565
Batch 26/248, train_loss: 0.8144, step time: 1.0402
Batch 27/248, train_loss: 0.6691, step time: 1.0486
Batch 28/248, train_loss: 0.7292, step time: 1.0355
Batch 29/248, train_loss: 0.8001, step time: 1.0393
Batch 30/248, train_loss: 0.7425, step time: 1.0417
Batch 31/248, train_loss: 0.7804, step time: 1.0330
Batch 32/248, train_loss: 0.6868, step time: 1.0573
Batch 33/248, train_loss: 0.6636, step time: 1.0411
Batch 34/248, train_loss: 0.6609, step time: 1.0391
Batch 35/248, train_loss: 0.6815, step time: 1.0356
Batch 36/248, train_loss: 0.7800, step time: 1.0540
Batch 37/248, train_loss: 0.7331, step time: 1.0484
Batch 38/248, train_loss: 0.7585, step time: 1.0509
Batch 39/248, train_loss: 0.7135, step time: 1.0564
Batch 40/248, train_loss: 0.9985, step time: 1.0466
Batch 41/248, train_loss: 0.7390, step time: 1.0316
Batch 42/248, train_loss: 0.6850, step time: 1.0500
Batch 43/248, train_loss: 0.6589, step time: 1.0490
Batch 44/248, train_loss: 0.7080, step time: 1.0361
Batch 45/248, train_loss: 0.8770, step time: 1.0304
Batch 46/248, train_loss: 0.7142, step time: 1.0384
Batch 47/248, train_loss: 0.6866, step time: 1.0353
Batch 48/248, train_loss: 0.8782, step time: 1.0379
Batch 49/248, train_loss: 0.7686, step time: 1.0340
Batch 50/248, train_loss: 0.7040, step time: 1.0305
Batch 51/248, train_loss: 0.7215, step time: 1.0371
Batch 52/248, train_loss: 0.7012, step time: 1.0328
Batch 53/248, train_loss: 0.8061, step time: 1.0351
Batch 54/248, train_loss: 0.7518, step time: 1.0388
Batch 55/248, train_loss: 0.7985, step time: 1.0505
Batch 56/248, train_loss: 0.7297, step time: 1.0363
Batch 57/248, train_loss: 0.7619, step time: 1.0563
Batch 58/248, train_loss: 0.6840, step time: 1.0470
Batch 59/248, train_loss: 0.6852, step time: 1.0418
Batch 60/248, train_loss: 0.6732, step time: 1.0443
Batch 61/248, train_loss: 0.6894, step time: 1.0440
Batch 62/248, train_loss: 0.7777, step time: 1.0400
Batch 63/248, train_loss: 0.8403, step time: 1.0488
Batch 64/248, train_loss: 0.7989, step time: 1.0328
Batch 65/248, train_loss: 0.7415, step time: 1.0545
Batch 66/248, train_loss: 0.7250, step time: 1.0317
Batch 67/248, train_loss: 0.6631, step time: 1.0336
Batch 68/248, train_loss: 0.6941, step time: 1.0445
Batch 69/248, train_loss: 0.8377, step time: 1.0344
Batch 70/248, train_loss: 0.7059, step time: 1.0316
Batch 71/248, train_loss: 0.6975, step time: 1.0476
Batch 72/248, train_loss: 0.6706, step time: 1.0312
-----
```

Batch 73/248, train_loss: 0.7285, step time: 1.0353
Batch 74/248, train_loss: 0.9984, step time: 1.0530
Batch 75/248, train_loss: 0.6913, step time: 1.0502
Batch 76/248, train_loss: 0.8034, step time: 1.0486
Batch 77/248, train_loss: 0.9879, step time: 1.0353
Batch 78/248, train_loss: 0.7037, step time: 1.0509
Batch 79/248, train_loss: 0.7092, step time: 1.0509
Batch 80/248, train_loss: 0.7389, step time: 1.0454
Batch 81/248, train_loss: 0.7272, step time: 1.0527
Batch 82/248, train_loss: 0.6827, step time: 1.0307
Batch 83/248, train_loss: 0.8812, step time: 1.0499
Batch 84/248, train_loss: 0.7186, step time: 1.0520
Batch 85/248, train_loss: 0.7836, step time: 1.0470
Batch 86/248, train_loss: 0.7607, step time: 1.0582
Batch 87/248, train_loss: 0.7653, step time: 1.0578
Batch 88/248, train_loss: 0.7732, step time: 1.0446
Batch 89/248, train_loss: 0.6552, step time: 1.0287
Batch 90/248, train_loss: 0.7368, step time: 1.0314
Batch 91/248, train_loss: 0.7818, step time: 1.0281
Batch 92/248, train_loss: 0.7756, step time: 1.0519
Batch 93/248, train_loss: 0.7086, step time: 1.0361
Batch 94/248, train_loss: 0.7370, step time: 1.0494
Batch 95/248, train_loss: 0.7171, step time: 1.0453
Batch 96/248, train_loss: 0.7120, step time: 1.0373
Batch 97/248, train_loss: 0.8390, step time: 1.0454
Batch 98/248, train_loss: 0.6765, step time: 1.0458
Batch 99/248, train_loss: 0.7701, step time: 1.0430
Batch 100/248, train_loss: 0.7600, step time: 1.0480
Batch 101/248, train_loss: 0.6375, step time: 1.0446
Batch 102/248, train_loss: 0.6937, step time: 1.0387
Batch 103/248, train_loss: 0.9451, step time: 1.0450
Batch 104/248, train_loss: 0.7359, step time: 1.0324
Batch 105/248, train_loss: 0.6748, step time: 1.0585
Batch 106/248, train_loss: 0.7028, step time: 1.0339
Batch 107/248, train_loss: 0.7493, step time: 1.0316
Batch 108/248, train_loss: 0.8648, step time: 1.0550
Batch 109/248, train_loss: 0.8701, step time: 1.0549
Batch 110/248, train_loss: 0.7043, step time: 1.0498
Batch 111/248, train_loss: 0.6811, step time: 1.0476
Batch 112/248, train_loss: 0.6906, step time: 1.0322
Batch 113/248, train_loss: 0.9970, step time: 1.0533
Batch 114/248, train_loss: 0.6802, step time: 1.0462
Batch 115/248, train_loss: 0.7362, step time: 1.0484
Batch 116/248, train_loss: 0.6814, step time: 1.0463
Batch 117/248, train_loss: 0.9988, step time: 1.0520
Batch 118/248, train_loss: 0.7573, step time: 1.0566
Batch 119/248, train_loss: 0.7997, step time: 1.0402
Batch 120/248, train_loss: 0.7558, step time: 1.0339
Batch 121/248, train_loss: 0.7541, step time: 1.0349
Batch 122/248, train_loss: 0.8865, step time: 1.0421
Batch 123/248, train_loss: 0.6796, step time: 1.0536
Batch 124/248, train_loss: 0.7694, step time: 1.0472
Batch 125/248, train_loss: 0.8242, step time: 1.0439
Batch 126/248, train_loss: 0.7493, step time: 1.0310
Batch 127/248, train_loss: 0.7000, step time: 1.0592
Batch 128/248, train_loss: 0.8697, step time: 1.0527
Batch 129/248, train_loss: 0.6667, step time: 1.0493
Batch 130/248, train_loss: 0.6686, step time: 1.0496
Batch 131/248, train_loss: 0.7965, step time: 1.0518
Batch 132/248, train_loss: 0.7315, step time: 1.0298
Batch 133/248, train_loss: 0.6598, step time: 1.0324
Batch 134/248, train_loss: 0.8671, step time: 1.0495
Batch 135/248, train_loss: 0.7181, step time: 1.0318
Batch 136/248, train_loss: 0.7055, step time: 1.0322
Batch 137/248, train_loss: 0.6833, step time: 1.0547
Batch 138/248, train_loss: 0.6682, step time: 1.0356
Batch 139/248, train_loss: 0.7047, step time: 1.0447
Batch 140/248, train_loss: 0.7335, step time: 1.0514
Batch 141/248, train_loss: 0.7153, step time: 1.0551
Batch 142/248, train_loss: 0.9242, step time: 1.0516
Batch 143/248, train_loss: 0.7422, step time: 1.0292
Batch 144/248, train_loss: 0.6968, step time: 1.0539
Batch 145/248, train_loss: 0.6408, step time: 1.0362
Batch 146/248, train_loss: 0.8241, step time: 1.0464
Batch 147/248, train_loss: 0.6301, step time: 1.0565
Batch 148/248, train_loss: 0.9279, step time: 1.0349
Batch 149/248, train_loss: 0.7132, step time: 1.0587
Batch 150/248, train_loss: 0.8598, step time: 1.0371
Batch 151/248, train_loss: 0.7613, step time: 1.0475
Batch 152/248, train_loss: 0.6295, step time: 1.0520
Batch 153/248, train_loss: 0.7500, step time: 1.0294
Batch 154/248, train_loss: 0.7727, step time: 1.0550
Batch 155/248, train_loss: 0.7047, step time: 1.0388
Batch 156/248, train_loss: 0.7363, step time: 1.0452
Batch 157/248, train_loss: 0.7569, step time: 1.0318

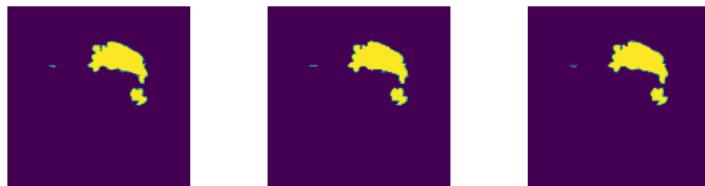
Batch 158/248, train_loss: 0.9998, step time: 1.0387
Batch 159/248, train_loss: 0.7638, step time: 1.0510
Batch 160/248, train_loss: 0.6902, step time: 1.0287
Batch 161/248, train_loss: 0.6889, step time: 1.0407
Batch 162/248, train_loss: 0.6375, step time: 1.0534
Batch 163/248, train_loss: 0.7102, step time: 1.0301
Batch 164/248, train_loss: 0.7120, step time: 1.0373
Batch 165/248, train_loss: 0.9221, step time: 1.0597
Batch 166/248, train_loss: 0.6998, step time: 1.0464
Batch 167/248, train_loss: 0.7145, step time: 1.0391
Batch 168/248, train_loss: 0.7158, step time: 1.0480
Batch 169/248, train_loss: 0.6884, step time: 1.0494
Batch 170/248, train_loss: 0.8931, step time: 1.0476
Batch 171/248, train_loss: 0.6624, step time: 1.0472
Batch 172/248, train_loss: 0.8639, step time: 1.0563
Batch 173/248, train_loss: 0.6733, step time: 1.0269
Batch 174/248, train_loss: 0.8736, step time: 1.0340
Batch 175/248, train_loss: 0.6886, step time: 1.0334
Batch 176/248, train_loss: 0.7861, step time: 1.0589
Batch 177/248, train_loss: 0.7586, step time: 1.0357
Batch 178/248, train_loss: 0.7215, step time: 1.0553
Batch 179/248, train_loss: 0.6300, step time: 1.0474
Batch 180/248, train_loss: 0.7817, step time: 1.0285
Batch 181/248, train_loss: 0.6711, step time: 1.0448
Batch 182/248, train_loss: 0.9549, step time: 1.0561
Batch 183/248, train_loss: 0.6883, step time: 1.0510
Batch 184/248, train_loss: 0.7867, step time: 1.0326
Batch 185/248, train_loss: 0.7030, step time: 1.0399
Batch 186/248, train_loss: 0.6950, step time: 1.0607
Batch 187/248, train_loss: 0.7035, step time: 1.0419
Batch 188/248, train_loss: 0.7322, step time: 1.0563
Batch 189/248, train_loss: 0.8573, step time: 1.0375
Batch 190/248, train_loss: 0.7032, step time: 1.0509
Batch 191/248, train_loss: 0.8326, step time: 1.0356
Batch 192/248, train_loss: 0.7301, step time: 1.0308
Batch 193/248, train_loss: 0.7428, step time: 1.0334
Batch 194/248, train_loss: 0.6997, step time: 1.0321
Batch 195/248, train_loss: 0.9972, step time: 1.0347
Batch 196/248, train_loss: 0.9997, step time: 1.0557
Batch 197/248, train_loss: 0.7499, step time: 1.0399
Batch 198/248, train_loss: 0.9952, step time: 1.0426
Batch 199/248, train_loss: 0.7225, step time: 1.0468
Batch 200/248, train_loss: 0.7051, step time: 1.0474
Batch 201/248, train_loss: 0.7008, step time: 1.0365
Batch 202/248, train_loss: 0.7922, step time: 1.0521
Batch 203/248, train_loss: 0.8553, step time: 1.0392
Batch 204/248, train_loss: 0.6827, step time: 1.0552
Batch 205/248, train_loss: 0.7672, step time: 1.0315
Batch 206/248, train_loss: 0.7989, step time: 1.0391
Batch 207/248, train_loss: 0.6784, step time: 1.0336
Batch 208/248, train_loss: 0.7145, step time: 1.0611
Batch 209/248, train_loss: 0.7065, step time: 1.0344
Batch 210/248, train_loss: 0.6737, step time: 1.0436
Batch 211/248, train_loss: 0.6788, step time: 1.0410
Batch 212/248, train_loss: 0.7402, step time: 1.0452
Batch 213/248, train_loss: 0.7072, step time: 1.0404
Batch 214/248, train_loss: 0.6835, step time: 1.0332
Batch 215/248, train_loss: 0.7516, step time: 1.0434
Batch 216/248, train_loss: 0.7288, step time: 1.0527
Batch 217/248, train_loss: 0.7834, step time: 1.0305
Batch 218/248, train_loss: 0.9723, step time: 1.0456
Batch 219/248, train_loss: 0.6889, step time: 1.0489
Batch 220/248, train_loss: 0.7634, step time: 1.0336
Batch 221/248, train_loss: 0.7800, step time: 1.0461
Batch 222/248, train_loss: 0.7336, step time: 1.0432
Batch 223/248, train_loss: 0.6560, step time: 1.0464
Batch 224/248, train_loss: 0.6819, step time: 1.0524
Batch 225/248, train_loss: 0.7413, step time: 1.0324
Batch 226/248, train_loss: 0.7190, step time: 1.0308
Batch 227/248, train_loss: 0.6862, step time: 1.0396
Batch 228/248, train_loss: 0.7241, step time: 1.0402
Batch 229/248, train_loss: 0.6744, step time: 1.0525
Batch 230/248, train_loss: 0.6827, step time: 1.0389
Batch 231/248, train_loss: 0.7396, step time: 1.0529
Batch 232/248, train_loss: 0.6810, step time: 1.0440
Batch 233/248, train_loss: 0.9956, step time: 1.0362
Batch 234/248, train_loss: 0.8268, step time: 1.0434
Batch 235/248, train_loss: 0.7399, step time: 1.0355
Batch 236/248, train_loss: 0.9065, step time: 1.0334
Batch 237/248, train_loss: 0.6945, step time: 1.0324
Batch 238/248, train_loss: 0.6893, step time: 1.0338
Batch 239/248, train_loss: 0.6130, step time: 1.0622
Batch 240/248, train_loss: 0.7907, step time: 1.0342
Batch 241/248, train_loss: 0.9697, step time: 1.0498
Batch 242/248, train_loss: 0.7117, step time: 1.0581

```
Batch 243/248, train_loss: 0.8385, step time: 1.0431  
Batch 244/248, train_loss: 0.8217, step time: 1.0508  
Batch 245/248, train_loss: 0.6801, step time: 1.0417  
Batch 246/248, train_loss: 0.8214, step time: 1.0550  
Batch 247/248, train_loss: 0.6401, step time: 1.0474  
Batch 248/248, train_loss: 0.9997, step time: 1.0407
```

Labels



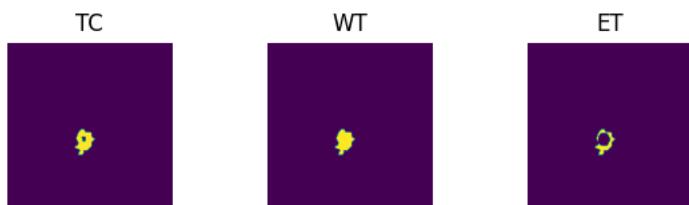
Predictions



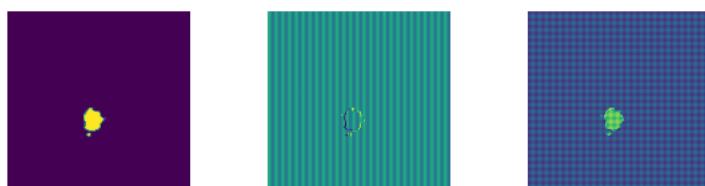
VAL

```
Batch 1/31, val_loss: 0.9246  
Batch 2/31, val_loss: 0.9522  
Batch 3/31, val_loss: 0.9843  
Batch 4/31, val_loss: 0.9743  
Batch 5/31, val_loss: 0.9947  
Batch 6/31, val_loss: 0.8227  
Batch 7/31, val_loss: 0.9125  
Batch 8/31, val_loss: 0.9818  
Batch 9/31, val_loss: 0.8293  
Batch 10/31, val_loss: 0.9637  
Batch 11/31, val_loss: 0.8976  
Batch 12/31, val_loss: 0.9837  
Batch 13/31, val_loss: 0.9763  
Batch 14/31, val_loss: 0.9723  
Batch 15/31, val_loss: 0.9962  
Batch 16/31, val_loss: 0.9773  
Batch 17/31, val_loss: 0.9857  
Batch 18/31, val_loss: 0.9697  
Batch 19/31, val_loss: 0.8712  
Batch 20/31, val_loss: 0.9383  
Batch 21/31, val_loss: 0.9744  
Batch 22/31, val_loss: 0.9906  
Batch 23/31, val_loss: 0.9848  
Batch 24/31, val_loss: 0.8383  
Batch 25/31, val_loss: 0.8860  
Batch 26/31, val_loss: 0.9546  
Batch 27/31, val_loss: 0.9945  
Batch 28/31, val_loss: 0.8741  
Batch 29/31, val_loss: 0.9921  
Batch 30/31, val_loss: 0.9858  
Batch 31/31, val_loss: 0.9842
```

Labels



Predictions



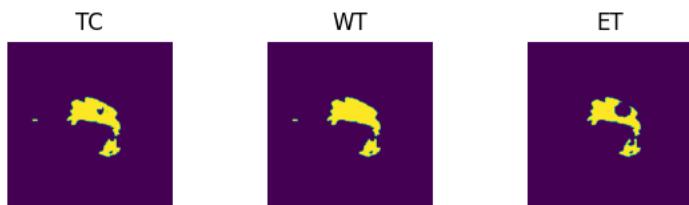
```
epoch 26
    average train loss: 0.7553
    average validation loss: 0.9473
    saved as best model: False
    current mean dice: 0.1738
    current TC dice: 0.4936
    current WT dice: 0.0094
    current ET dice: 0.0187
Best Mean Metric: 0.1786
time consuming of epoch 26 is: 1638.0097
-----
epoch 27/100
TRAIN
    Batch 1/248, train_loss: 0.6629, step time: 1.0593
    Batch 2/248, train_loss: 0.9085, step time: 1.0444
    Batch 3/248, train_loss: 0.7973, step time: 1.0447
    Batch 4/248, train_loss: 0.9774, step time: 1.0482
    Batch 5/248, train_loss: 0.7337, step time: 1.0312
    Batch 6/248, train_loss: 0.7293, step time: 1.0385
    Batch 7/248, train_loss: 0.6404, step time: 1.0463
    Batch 8/248, train_loss: 0.9063, step time: 1.0347
    Batch 9/248, train_loss: 0.6538, step time: 1.0413
    Batch 10/248, train_loss: 0.7597, step time: 1.0598
    Batch 11/248, train_loss: 0.7018, step time: 1.0440
    Batch 12/248, train_loss: 0.8037, step time: 1.0408
    Batch 13/248, train_loss: 0.7673, step time: 1.0547
    Batch 14/248, train_loss: 0.6294, step time: 1.0492
    Batch 15/248, train_loss: 0.7931, step time: 1.0467
    Batch 16/248, train_loss: 0.7106, step time: 1.0369
    Batch 17/248, train_loss: 0.7463, step time: 1.0434
    Batch 18/248, train_loss: 0.7639, step time: 1.0385
    Batch 19/248, train_loss: 0.6768, step time: 1.0490
    Batch 20/248, train_loss: 0.7311, step time: 1.0504
    Batch 21/248, train_loss: 0.6742, step time: 1.0625
    Batch 22/248, train_loss: 0.9872, step time: 1.0617
    Batch 23/248, train_loss: 0.9881, step time: 1.0583
    Batch 24/248, train_loss: 0.6884, step time: 1.0374
    Batch 25/248, train_loss: 0.6382, step time: 1.0559
    Batch 26/248, train_loss: 0.8325, step time: 1.0362
    Batch 27/248, train_loss: 0.6615, step time: 1.0386
    Batch 28/248, train_loss: 0.7365, step time: 1.0319
    Batch 29/248, train_loss: 0.8078, step time: 1.0367
    Batch 30/248, train_loss: 0.7400, step time: 1.0429
    Batch 31/248, train_loss: 0.7795, step time: 1.0651
    Batch 32/248, train_loss: 0.6838, step time: 1.0352
    Batch 33/248, train_loss: 0.6586, step time: 1.0603
    Batch 34/248, train_loss: 0.6606, step time: 1.0413
    Batch 35/248, train_loss: 0.6782, step time: 1.0522
    Batch 36/248, train_loss: 0.7656, step time: 1.0433
    Batch 37/248, train_loss: 0.7289, step time: 1.0478
    Batch 38/248, train_loss: 0.7555, step time: 1.0641
    Batch 39/248, train_loss: 0.7178, step time: 1.0551
    Batch 40/248, train_loss: 0.9993, step time: 1.0403
    Batch 41/248, train_loss: 0.7248, step time: 1.0488
    Batch 42/248, train_loss: 0.6857, step time: 1.0348
    Batch 43/248, train_loss: 0.6645, step time: 1.0410
    Batch 44/248, train_loss: 0.7034, step time: 1.0558
    Batch 45/248, train_loss: 0.8681, step time: 1.0438
    Batch 46/248, train_loss: 0.7139, step time: 1.0493
    Batch 47/248, train_loss: 0.6896, step time: 1.0411
    Batch 48/248, train_loss: 0.7564, step time: 1.0376
    Batch 49/248, train_loss: 0.7755, step time: 1.0530
    Batch 50/248, train_loss: 0.7023, step time: 1.0285
    Batch 51/248, train_loss: 0.7228, step time: 1.0452
    Batch 52/248, train_loss: 0.7005, step time: 1.0338
    Batch 53/248, train_loss: 0.7876, step time: 1.0317
    Batch 54/248, train_loss: 0.7489, step time: 1.0395
    Batch 55/248, train_loss: 0.7439, step time: 1.0437
    Batch 56/248, train_loss: 0.7286, step time: 1.0605
    Batch 57/248, train_loss: 0.7417, step time: 1.0442
    Batch 58/248, train_loss: 0.6830, step time: 1.0391
    Batch 59/248, train_loss: 0.6858, step time: 1.0617
    Batch 60/248, train_loss: 0.6732, step time: 1.0356
    Batch 61/248, train_loss: 0.6882, step time: 1.0351
    Batch 62/248, train_loss: 0.7644, step time: 1.0393
    Batch 63/248, train_loss: 0.8512, step time: 1.0288
    Batch 64/248, train_loss: 0.8086, step time: 1.0302
    Batch 65/248, train_loss: 0.7458, step time: 1.0285
    Batch 66/248, train_loss: 0.7107, step time: 1.0317
    Batch 67/248, train_loss: 0.6606, step time: 1.0252
    Batch 68/248, train_loss: 0.6883, step time: 1.0549
    Batch 69/248, train_loss: 0.7976, step time: 1.0356
    Batch 70/248, train_loss: 0.7076, step time: 1.0587
    Batch 71/248, train_loss: 0.6943, step time: 1.0359
    Batch 72/248, train_loss: 0.6698, step time: 1.0572
```

Batch 73/248, train_loss: 0.7720, step time: 1.0323
Batch 74/248, train_loss: 0.9980, step time: 1.0374
Batch 75/248, train_loss: 0.6891, step time: 1.0367
Batch 76/248, train_loss: 0.8504, step time: 1.0484
Batch 77/248, train_loss: 0.9055, step time: 1.0277
Batch 78/248, train_loss: 0.7202, step time: 1.0275
Batch 79/248, train_loss: 0.7243, step time: 1.0513
Batch 80/248, train_loss: 0.7283, step time: 1.0537
Batch 81/248, train_loss: 0.7245, step time: 1.0557
Batch 82/248, train_loss: 0.6879, step time: 1.0375
Batch 83/248, train_loss: 0.8659, step time: 1.0513
Batch 84/248, train_loss: 0.7567, step time: 1.0360
Batch 85/248, train_loss: 0.7957, step time: 1.0421
Batch 86/248, train_loss: 0.8405, step time: 1.0310
Batch 87/248, train_loss: 0.9099, step time: 1.0572
Batch 88/248, train_loss: 0.7733, step time: 1.0609
Batch 89/248, train_loss: 0.6578, step time: 1.0370
Batch 90/248, train_loss: 0.8824, step time: 1.0367
Batch 91/248, train_loss: 0.7762, step time: 1.0299
Batch 92/248, train_loss: 0.8133, step time: 1.0510
Batch 93/248, train_loss: 0.7077, step time: 1.0478
Batch 94/248, train_loss: 0.7263, step time: 1.0380
Batch 95/248, train_loss: 0.7160, step time: 1.0376
Batch 96/248, train_loss: 0.7082, step time: 1.0586
Batch 97/248, train_loss: 0.7806, step time: 1.0588
Batch 98/248, train_loss: 0.6762, step time: 1.0324
Batch 99/248, train_loss: 0.7698, step time: 1.0478
Batch 100/248, train_loss: 0.7478, step time: 1.0577
Batch 101/248, train_loss: 0.6365, step time: 1.0524
Batch 102/248, train_loss: 0.6949, step time: 1.0396
Batch 103/248, train_loss: 0.9710, step time: 1.0479
Batch 104/248, train_loss: 0.7324, step time: 1.0556
Batch 105/248, train_loss: 0.6736, step time: 1.0413
Batch 106/248, train_loss: 0.7084, step time: 1.0558
Batch 107/248, train_loss: 0.9515, step time: 1.0343
Batch 108/248, train_loss: 0.8473, step time: 1.0530
Batch 109/248, train_loss: 0.9361, step time: 1.0357
Batch 110/248, train_loss: 0.7490, step time: 1.0495
Batch 111/248, train_loss: 0.6728, step time: 1.0391
Batch 112/248, train_loss: 0.6832, step time: 1.0503
Batch 113/248, train_loss: 0.9932, step time: 1.0367
Batch 114/248, train_loss: 0.6818, step time: 1.0409
Batch 115/248, train_loss: 0.7132, step time: 1.0378
Batch 116/248, train_loss: 0.6729, step time: 1.0469
Batch 117/248, train_loss: 0.9845, step time: 1.0287
Batch 118/248, train_loss: 0.7304, step time: 1.0345
Batch 119/248, train_loss: 0.7417, step time: 1.0391
Batch 120/248, train_loss: 0.7317, step time: 1.0391
Batch 121/248, train_loss: 0.7515, step time: 1.0327
Batch 122/248, train_loss: 0.8054, step time: 1.0565
Batch 123/248, train_loss: 0.6801, step time: 1.0334
Batch 124/248, train_loss: 0.7389, step time: 1.0357
Batch 125/248, train_loss: 0.8147, step time: 1.0447
Batch 126/248, train_loss: 0.7961, step time: 1.0472
Batch 127/248, train_loss: 0.7001, step time: 1.0450
Batch 128/248, train_loss: 0.8944, step time: 1.0441
Batch 129/248, train_loss: 0.6675, step time: 1.0399
Batch 130/248, train_loss: 0.6696, step time: 1.0543
Batch 131/248, train_loss: 0.8638, step time: 1.0469
Batch 132/248, train_loss: 0.7419, step time: 1.0498
Batch 133/248, train_loss: 0.6510, step time: 1.0456
Batch 134/248, train_loss: 0.9827, step time: 1.0327
Batch 135/248, train_loss: 0.7297, step time: 1.0650
Batch 136/248, train_loss: 0.7426, step time: 1.0568
Batch 137/248, train_loss: 0.6752, step time: 1.0413
Batch 138/248, train_loss: 0.6663, step time: 1.0379
Batch 139/248, train_loss: 0.7447, step time: 1.0564
Batch 140/248, train_loss: 0.7615, step time: 1.0519
Batch 141/248, train_loss: 0.7124, step time: 1.0413
Batch 142/248, train_loss: 0.9038, step time: 1.0512
Batch 143/248, train_loss: 0.7462, step time: 1.0520
Batch 144/248, train_loss: 0.6971, step time: 1.0530
Batch 145/248, train_loss: 0.6312, step time: 1.0407
Batch 146/248, train_loss: 0.8575, step time: 1.0324
Batch 147/248, train_loss: 0.6315, step time: 1.0313
Batch 148/248, train_loss: 0.9734, step time: 1.0486
Batch 149/248, train_loss: 0.7074, step time: 1.0422
Batch 150/248, train_loss: 0.8622, step time: 1.0318
Batch 151/248, train_loss: 0.7671, step time: 1.0514
Batch 152/248, train_loss: 0.6288, step time: 1.0495
Batch 153/248, train_loss: 0.7444, step time: 1.0364
Batch 154/248, train_loss: 0.7872, step time: 1.0591
Batch 155/248, train_loss: 0.7065, step time: 1.0466
Batch 156/248, train_loss: 0.7284, step time: 1.0360
Batch 157/248, train_loss: 0.7544, step time: 1.0487

Batch 127/248, train_loss: 0.9943, step time: 1.0365.
Batch 128/248, train_loss: 0.9985, step time: 1.0274
Batch 129/248, train_loss: 0.8081, step time: 1.0347
Batch 130/248, train_loss: 0.6883, step time: 1.0470
Batch 131/248, train_loss: 0.6900, step time: 1.0284
Batch 132/248, train_loss: 0.6256, step time: 1.0463
Batch 133/248, train_loss: 0.7066, step time: 1.0450
Batch 134/248, train_loss: 0.7144, step time: 1.0386
Batch 135/248, train_loss: 0.8648, step time: 1.0603
Batch 136/248, train_loss: 0.6935, step time: 1.0326
Batch 137/248, train_loss: 0.7134, step time: 1.0463
Batch 138/248, train_loss: 0.7191, step time: 1.0543
Batch 139/248, train_loss: 0.6867, step time: 1.0514
Batch 140/248, train_loss: 0.8445, step time: 1.0407
Batch 141/248, train_loss: 0.6636, step time: 1.0443
Batch 142/248, train_loss: 0.8296, step time: 1.0604
Batch 143/248, train_loss: 0.6690, step time: 1.0615
Batch 144/248, train_loss: 0.8620, step time: 1.0352
Batch 145/248, train_loss: 0.6807, step time: 1.0325
Batch 146/248, train_loss: 0.7910, step time: 1.0599
Batch 147/248, train_loss: 0.8065, step time: 1.0425
Batch 148/248, train_loss: 0.7142, step time: 1.0458
Batch 149/248, train_loss: 0.6262, step time: 1.0406
Batch 150/248, train_loss: 0.7802, step time: 1.0432
Batch 151/248, train_loss: 0.6719, step time: 1.0536
Batch 152/248, train_loss: 0.9647, step time: 1.0340
Batch 153/248, train_loss: 0.7157, step time: 1.0373
Batch 154/248, train_loss: 0.7680, step time: 1.0440
Batch 155/248, train_loss: 0.7041, step time: 1.0557
Batch 156/248, train_loss: 0.6964, step time: 1.0346
Batch 157/248, train_loss: 0.7006, step time: 1.0602
Batch 158/248, train_loss: 0.7311, step time: 1.0283
Batch 159/248, train_loss: 0.8515, step time: 1.0523
Batch 160/248, train_loss: 0.7049, step time: 1.0513
Batch 161/248, train_loss: 0.8360, step time: 1.0419
Batch 162/248, train_loss: 0.7325, step time: 1.0366
Batch 163/248, train_loss: 0.7443, step time: 1.0475
Batch 164/248, train_loss: 0.6974, step time: 1.0485
Batch 165/248, train_loss: 0.9474, step time: 1.0608
Batch 166/248, train_loss: 1.0000, step time: 1.0265
Batch 167/248, train_loss: 0.7479, step time: 1.0588
Batch 168/248, train_loss: 0.9946, step time: 1.0596
Batch 169/248, train_loss: 0.7158, step time: 1.0377
Batch 170/248, train_loss: 0.7082, step time: 1.0526
Batch 171/248, train_loss: 0.7012, step time: 1.0414
Batch 172/248, train_loss: 0.7871, step time: 1.0513
Batch 173/248, train_loss: 0.8114, step time: 1.0513
Batch 174/248, train_loss: 0.6665, step time: 1.0384
Batch 175/248, train_loss: 0.7712, step time: 1.0359
Batch 176/248, train_loss: 0.9690, step time: 1.0587
Batch 177/248, train_loss: 0.6767, step time: 1.0532
Batch 178/248, train_loss: 0.7533, step time: 1.0491
Batch 179/248, train_loss: 0.7068, step time: 1.0400
Batch 180/248, train_loss: 0.6732, step time: 1.0378
Batch 181/248, train_loss: 0.6744, step time: 1.0561
Batch 182/248, train_loss: 0.7299, step time: 1.0440
Batch 183/248, train_loss: 0.7062, step time: 1.0409
Batch 184/248, train_loss: 0.6844, step time: 1.0480
Batch 185/248, train_loss: 0.7821, step time: 1.0349
Batch 186/248, train_loss: 0.7477, step time: 1.0537
Batch 187/248, train_loss: 0.7681, step time: 1.0297
Batch 188/248, train_loss: 0.9789, step time: 1.0329
Batch 189/248, train_loss: 0.6898, step time: 1.0316
Batch 190/248, train_loss: 0.7681, step time: 1.0331
Batch 191/248, train_loss: 0.7579, step time: 1.0361
Batch 192/248, train_loss: 0.7422, step time: 1.0474
Batch 193/248, train_loss: 0.6557, step time: 1.0448
Batch 194/248, train_loss: 0.6817, step time: 1.0488
Batch 195/248, train_loss: 0.9122, step time: 1.0462
Batch 196/248, train_loss: 0.7217, step time: 1.0373
Batch 197/248, train_loss: 0.6857, step time: 1.0345
Batch 198/248, train_loss: 0.7268, step time: 1.0396
Batch 199/248, train_loss: 0.6800, step time: 1.0381
Batch 200/248, train_loss: 0.6926, step time: 1.0384
Batch 201/248, train_loss: 0.7531, step time: 1.0361
Batch 202/248, train_loss: 0.6838, step time: 1.0439
Batch 203/248, train_loss: 0.9961, step time: 1.0549
Batch 204/248, train_loss: 0.8315, step time: 1.0334
Batch 205/248, train_loss: 0.7528, step time: 1.0485
Batch 206/248, train_loss: 0.9010, step time: 1.0451
Batch 207/248, train_loss: 0.7064, step time: 1.0436
Batch 208/248, train_loss: 0.6911, step time: 1.0490
Batch 209/248, train_loss: 0.7410, step time: 1.0543
Batch 210/248, train_loss: 0.8635, step time: 1.0372
Batch 211/248, train_loss: 0.9757, step time: 1.0393
Batch 212/248, train_loss: 0.7161, step time: 1.0420

```
Batch 242/248, train_loss: 0./161, step time: 1.0429
Batch 243/248, train_loss: 0.8270, step time: 1.0358
Batch 244/248, train_loss: 0.8478, step time: 1.0419
Batch 245/248, train_loss: 0.6959, step time: 1.0323
Batch 246/248, train_loss: 0.8225, step time: 1.0499
Batch 247/248, train_loss: 0.6642, step time: 1.0493
Batch 248/248, train_loss: 0.9999, step time: 1.0301
```

Labels



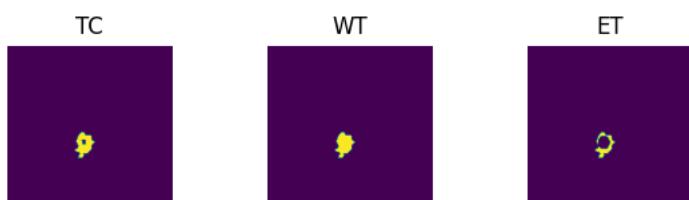
Predictions



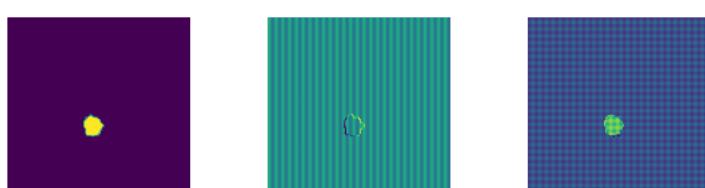
VAL

```
Batch 1/31, val_loss: 0.9225
Batch 2/31, val_loss: 0.9586
Batch 3/31, val_loss: 0.9848
Batch 4/31, val_loss: 0.9740
Batch 5/31, val_loss: 0.9948
Batch 6/31, val_loss: 0.8283
Batch 7/31, val_loss: 0.9144
Batch 8/31, val_loss: 0.9821
Batch 9/31, val_loss: 0.8404
Batch 10/31, val_loss: 0.9879
Batch 11/31, val_loss: 0.8974
Batch 12/31, val_loss: 0.9830
Batch 13/31, val_loss: 0.9762
Batch 14/31, val_loss: 0.9708
Batch 15/31, val_loss: 0.9959
Batch 16/31, val_loss: 0.9769
Batch 17/31, val_loss: 0.9832
Batch 18/31, val_loss: 0.9699
Batch 19/31, val_loss: 0.8738
Batch 20/31, val_loss: 0.9511
Batch 21/31, val_loss: 0.9750
Batch 22/31, val_loss: 0.9882
Batch 23/31, val_loss: 0.9826
Batch 24/31, val_loss: 0.8415
Batch 25/31, val_loss: 0.8918
Batch 26/31, val_loss: 0.9533
Batch 27/31, val_loss: 0.9952
Batch 28/31, val_loss: 0.8815
Batch 29/31, val_loss: 0.9915
Batch 30/31, val_loss: 0.9865
Batch 31/31, val_loss: 0.9844
```

Labels



Predictions



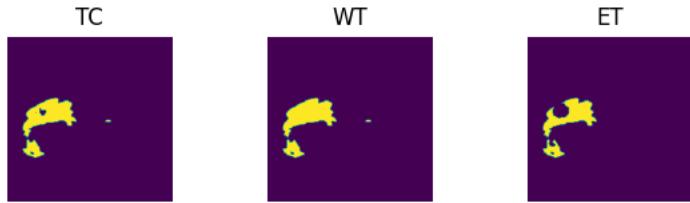
```
epoch 27
average train loss: 0.7592
average validation loss: 0.9496
saved as best model: True
current mean dice: 0.1884
current TC dice: 0.5345
current WT dice: 0.0091
current ET dice: 0.0178
Best Mean Metric: 0.1884
time consuming of epoch 27 is: 1632.9287
-----
epoch 28/100
TRAIN
Batch 1/248, train_loss: 0.6765, step time: 1.0553
Batch 2/248, train_loss: 0.9489, step time: 1.0676
Batch 3/248, train_loss: 0.7780, step time: 1.0306
Batch 4/248, train_loss: 0.9972, step time: 1.0418
Batch 5/248, train_loss: 0.7291, step time: 1.0540
Batch 6/248, train_loss: 0.7234, step time: 1.0583
Batch 7/248, train_loss: 0.6430, step time: 1.0315
Batch 8/248, train_loss: 0.9093, step time: 1.0390
Batch 9/248, train_loss: 0.6568, step time: 1.0350
Batch 10/248, train_loss: 0.7982, step time: 1.0389
Batch 11/248, train_loss: 0.7024, step time: 1.0555
Batch 12/248, train_loss: 0.7910, step time: 1.0431
Batch 13/248, train_loss: 0.7597, step time: 1.0538
Batch 14/248, train_loss: 0.6257, step time: 1.0507
Batch 15/248, train_loss: 0.7927, step time: 1.0371
Batch 16/248, train_loss: 0.7076, step time: 1.0525
Batch 17/248, train_loss: 0.7489, step time: 1.0329
Batch 18/248, train_loss: 0.7743, step time: 1.0344
Batch 19/248, train_loss: 0.6862, step time: 1.0413
Batch 20/248, train_loss: 0.7266, step time: 1.0639
Batch 21/248, train_loss: 0.6904, step time: 1.0603
Batch 22/248, train_loss: 0.9959, step time: 1.0472
Batch 23/248, train_loss: 0.9767, step time: 1.0330
Batch 24/248, train_loss: 0.6893, step time: 1.0438
Batch 25/248, train_loss: 0.6329, step time: 1.0421
Batch 26/248, train_loss: 0.8173, step time: 1.0445
Batch 27/248, train_loss: 0.6602, step time: 1.0360
Batch 28/248, train_loss: 0.7372, step time: 1.0488
Batch 29/248, train_loss: 0.7867, step time: 1.0365
Batch 30/248, train_loss: 0.7391, step time: 1.0322
Batch 31/248, train_loss: 0.8097, step time: 1.0634
Batch 32/248, train_loss: 0.6861, step time: 1.0296
Batch 33/248, train_loss: 0.6579, step time: 1.0405
Batch 34/248, train_loss: 0.6602, step time: 1.0341
Batch 35/248, train_loss: 0.6781, step time: 1.0287
Batch 36/248, train_loss: 0.7756, step time: 1.0558
Batch 37/248, train_loss: 0.7314, step time: 1.0411
Batch 38/248, train_loss: 0.7580, step time: 1.0388
Batch 39/248, train_loss: 0.7303, step time: 1.0403
Batch 40/248, train_loss: 0.9990, step time: 1.0511
Batch 41/248, train_loss: 0.7159, step time: 1.0454
Batch 42/248, train_loss: 0.6838, step time: 1.0338
Batch 43/248, train_loss: 0.6677, step time: 1.0403
Batch 44/248, train_loss: 0.8120, step time: 1.0294
Batch 45/248, train_loss: 0.8661, step time: 1.0367
Batch 46/248, train_loss: 0.7108, step time: 1.0450
Batch 47/248, train_loss: 0.6879, step time: 1.0291
Batch 48/248, train_loss: 0.7478, step time: 1.0299
Batch 49/248, train_loss: 0.7914, step time: 1.0374
Batch 50/248, train_loss: 0.7077, step time: 1.0294
Batch 51/248, train_loss: 0.8006, step time: 1.0491
Batch 52/248, train_loss: 0.6977, step time: 1.0534
Batch 53/248, train_loss: 0.7813, step time: 1.0398
Batch 54/248, train_loss: 0.7483, step time: 1.0338
Batch 55/248, train_loss: 0.7621, step time: 1.0547
Batch 56/248, train_loss: 0.7296, step time: 1.0327
Batch 57/248, train_loss: 0.7465, step time: 1.0521
Batch 58/248, train_loss: 0.6839, step time: 1.0341
Batch 59/248, train_loss: 0.6831, step time: 1.0408
Batch 60/248, train_loss: 0.6735, step time: 1.0567
Batch 61/248, train_loss: 0.6877, step time: 1.0484
Batch 62/248, train_loss: 0.7662, step time: 1.0581
Batch 63/248, train_loss: 0.8167, step time: 1.0422
Batch 64/248, train_loss: 0.8042, step time: 1.0393
Batch 65/248, train_loss: 0.7468, step time: 1.0510
Batch 66/248, train_loss: 0.7173, step time: 1.0499
Batch 67/248, train_loss: 0.6607, step time: 1.0559
Batch 68/248, train_loss: 0.6903, step time: 1.0475
Batch 69/248, train_loss: 0.8095, step time: 1.0672
Batch 70/248, train_loss: 0.7071, step time: 1.0474
Batch 71/248, train_loss: 0.7052, step time: 1.0465
Batch 72/248, train_loss: 0.6726, step time: 1.0361
```

Batch 1/248, train_loss: 0.0120, step time: 1.0501
Batch 2/248, train_loss: 0.7062, step time: 1.0454
Batch 3/248, train_loss: 0.9979, step time: 1.0311
Batch 4/248, train_loss: 0.6912, step time: 1.0300
Batch 5/248, train_loss: 0.8059, step time: 1.0487
Batch 6/248, train_loss: 0.9227, step time: 1.0496
Batch 7/248, train_loss: 0.7021, step time: 1.0302
Batch 8/248, train_loss: 0.7117, step time: 1.0539
Batch 9/248, train_loss: 0.7278, step time: 1.0318
Batch 10/248, train_loss: 0.7329, step time: 1.0342
Batch 11/248, train_loss: 0.6825, step time: 1.0515
Batch 12/248, train_loss: 0.8666, step time: 1.0324
Batch 13/248, train_loss: 0.7247, step time: 1.0363
Batch 14/248, train_loss: 0.8000, step time: 1.0331
Batch 15/248, train_loss: 0.7457, step time: 1.0284
Batch 16/248, train_loss: 0.7669, step time: 1.0253
Batch 17/248, train_loss: 0.7690, step time: 1.0381
Batch 18/248, train_loss: 0.6511, step time: 1.0331
Batch 19/248, train_loss: 0.8209, step time: 1.0506
Batch 20/248, train_loss: 0.7793, step time: 1.0584
Batch 21/248, train_loss: 0.7864, step time: 1.0352
Batch 22/248, train_loss: 0.7079, step time: 1.0246
Batch 23/248, train_loss: 0.7424, step time: 1.0275
Batch 24/248, train_loss: 0.7156, step time: 1.0412
Batch 25/248, train_loss: 0.7132, step time: 1.0362
Batch 26/248, train_loss: 0.7605, step time: 1.0337
Batch 27/248, train_loss: 0.6787, step time: 1.0386
Batch 28/248, train_loss: 0.7661, step time: 1.0350
Batch 29/248, train_loss: 0.7716, step time: 1.0369
Batch 30/248, train_loss: 0.6406, step time: 1.0250
Batch 31/248, train_loss: 0.7039, step time: 1.0384
Batch 32/248, train_loss: 0.7812, step time: 1.0331
Batch 33/248, train_loss: 0.7380, step time: 1.0435
Batch 34/248, train_loss: 0.6722, step time: 1.0227
Batch 35/248, train_loss: 0.7134, step time: 1.0311
Batch 36/248, train_loss: 0.7400, step time: 1.0349
Batch 37/248, train_loss: 0.8409, step time: 1.0335
Batch 38/248, train_loss: 0.9768, step time: 1.0384
Batch 39/248, train_loss: 0.7064, step time: 1.0367
Batch 40/248, train_loss: 0.6777, step time: 1.0438
Batch 41/248, train_loss: 0.6870, step time: 1.0352
Batch 42/248, train_loss: 0.9992, step time: 1.0285
Batch 43/248, train_loss: 0.6838, step time: 1.0346
Batch 44/248, train_loss: 0.7190, step time: 1.0230
Batch 45/248, train_loss: 0.6749, step time: 1.0390
Batch 46/248, train_loss: 0.8659, step time: 1.0319
Batch 47/248, train_loss: 0.7787, step time: 1.0496
Batch 48/248, train_loss: 0.7412, step time: 1.0412
Batch 49/248, train_loss: 0.7265, step time: 1.0348
Batch 50/248, train_loss: 0.7494, step time: 1.0552
Batch 51/248, train_loss: 0.8420, step time: 1.0386
Batch 52/248, train_loss: 0.6783, step time: 1.0243
Batch 53/248, train_loss: 0.7374, step time: 1.0407
Batch 54/248, train_loss: 0.8238, step time: 1.0353
Batch 55/248, train_loss: 0.7199, step time: 1.0243
Batch 56/248, train_loss: 0.6993, step time: 1.0268
Batch 57/248, train_loss: 0.8176, step time: 1.0349
Batch 58/248, train_loss: 0.6630, step time: 1.0260
Batch 59/248, train_loss: 0.6693, step time: 1.0380
Batch 60/248, train_loss: 0.8026, step time: 1.0278
Batch 61/248, train_loss: 0.7396, step time: 1.0499
Batch 62/248, train_loss: 0.6902, step time: 1.0360
Batch 63/248, train_loss: 0.9015, step time: 1.0535
Batch 64/248, train_loss: 0.7273, step time: 1.0331
Batch 65/248, train_loss: 0.7059, step time: 1.0408
Batch 66/248, train_loss: 0.6944, step time: 1.0322
Batch 67/248, train_loss: 0.6687, step time: 1.0322
Batch 68/248, train_loss: 0.7266, step time: 1.0552
Batch 69/248, train_loss: 0.7429, step time: 1.0558
Batch 70/248, train_loss: 0.7095, step time: 1.0501
Batch 71/248, train_loss: 0.9315, step time: 1.0336
Batch 72/248, train_loss: 0.7524, step time: 1.0580
Batch 73/248, train_loss: 0.6986, step time: 1.0514
Batch 74/248, train_loss: 0.6403, step time: 1.0503
Batch 75/248, train_loss: 0.7827, step time: 1.0397
Batch 76/248, train_loss: 0.6296, step time: 1.0523
Batch 77/248, train_loss: 0.9223, step time: 1.0624
Batch 78/248, train_loss: 0.7090, step time: 1.0541
Batch 79/248, train_loss: 0.8520, step time: 1.0492
Batch 80/248, train_loss: 0.8034, step time: 1.0457
Batch 81/248, train_loss: 0.6287, step time: 1.0475
Batch 82/248, train_loss: 0.8160, step time: 1.0587
Batch 83/248, train_loss: 0.8133, step time: 1.0493
Batch 84/248, train_loss: 0.7208, step time: 1.0525
Batch 85/248, train_loss: 0.7396, step time: 1.0416
...

Batch 157/248, train_loss: 0.7553, step time: 1.0464
Batch 158/248, train_loss: 0.9977, step time: 1.0591
Batch 159/248, train_loss: 0.8712, step time: 1.0632
Batch 160/248, train_loss: 0.6921, step time: 1.0425
Batch 161/248, train_loss: 0.6894, step time: 1.0496
Batch 162/248, train_loss: 0.6365, step time: 1.0437
Batch 163/248, train_loss: 0.7063, step time: 1.0579
Batch 164/248, train_loss: 0.7631, step time: 1.0578
Batch 165/248, train_loss: 0.8900, step time: 1.0454
Batch 166/248, train_loss: 0.7127, step time: 1.0630
Batch 167/248, train_loss: 0.7333, step time: 1.0652
Batch 168/248, train_loss: 0.7185, step time: 1.0447
Batch 169/248, train_loss: 0.6886, step time: 1.0580
Batch 170/248, train_loss: 0.9039, step time: 1.0423
Batch 171/248, train_loss: 0.6681, step time: 1.0515
Batch 172/248, train_loss: 0.9618, step time: 1.0490
Batch 173/248, train_loss: 0.6722, step time: 1.0655
Batch 174/248, train_loss: 0.9533, step time: 1.0481
Batch 175/248, train_loss: 0.6938, step time: 1.0639
Batch 176/248, train_loss: 0.7904, step time: 1.0466
Batch 177/248, train_loss: 0.7725, step time: 1.0489
Batch 178/248, train_loss: 0.7232, step time: 1.0596
Batch 179/248, train_loss: 0.6283, step time: 1.0584
Batch 180/248, train_loss: 0.7806, step time: 1.0664
Batch 181/248, train_loss: 0.6801, step time: 1.0470
Batch 182/248, train_loss: 0.9603, step time: 1.0696
Batch 183/248, train_loss: 0.6963, step time: 1.0680
Batch 184/248, train_loss: 0.8080, step time: 1.0570
Batch 185/248, train_loss: 0.7020, step time: 1.0649
Batch 186/248, train_loss: 0.7049, step time: 1.0444
Batch 187/248, train_loss: 0.7094, step time: 1.0486
Batch 188/248, train_loss: 0.7454, step time: 1.0443
Batch 189/248, train_loss: 0.8503, step time: 1.0672
Batch 190/248, train_loss: 0.7057, step time: 1.0559
Batch 191/248, train_loss: 0.8421, step time: 1.0435
Batch 192/248, train_loss: 0.7276, step time: 1.0576
Batch 193/248, train_loss: 0.7486, step time: 1.0488
Batch 194/248, train_loss: 0.7006, step time: 1.0498
Batch 195/248, train_loss: 0.8258, step time: 1.0456
Batch 196/248, train_loss: 0.9999, step time: 1.0583
Batch 197/248, train_loss: 0.7499, step time: 1.0423
Batch 198/248, train_loss: 0.9979, step time: 1.0364
Batch 199/248, train_loss: 0.7183, step time: 1.0388
Batch 200/248, train_loss: 0.7108, step time: 1.0493
Batch 201/248, train_loss: 0.6980, step time: 1.0580
Batch 202/248, train_loss: 0.7878, step time: 1.0396
Batch 203/248, train_loss: 0.8726, step time: 1.0676
Batch 204/248, train_loss: 0.6739, step time: 1.0476
Batch 205/248, train_loss: 0.7627, step time: 1.0460
Batch 206/248, train_loss: 0.7589, step time: 1.0678
Batch 207/248, train_loss: 0.6788, step time: 1.0493
Batch 208/248, train_loss: 0.7274, step time: 1.0691
Batch 209/248, train_loss: 0.7082, step time: 1.0690
Batch 210/248, train_loss: 0.6745, step time: 1.0357
Batch 211/248, train_loss: 0.6757, step time: 1.0398
Batch 212/248, train_loss: 0.7519, step time: 1.0594
Batch 213/248, train_loss: 0.7150, step time: 1.0398
Batch 214/248, train_loss: 0.6833, step time: 1.0620
Batch 215/248, train_loss: 0.7614, step time: 1.0709
Batch 216/248, train_loss: 0.7162, step time: 1.0475
Batch 217/248, train_loss: 0.7700, step time: 1.0660
Batch 218/248, train_loss: 0.9828, step time: 1.0508
Batch 219/248, train_loss: 0.6886, step time: 1.0432
Batch 220/248, train_loss: 0.7596, step time: 1.0453
Batch 221/248, train_loss: 0.7458, step time: 1.0445
Batch 222/248, train_loss: 0.7373, step time: 1.0588
Batch 223/248, train_loss: 0.6553, step time: 1.0364
Batch 224/248, train_loss: 0.6826, step time: 1.0470
Batch 225/248, train_loss: 0.7655, step time: 1.0507
Batch 226/248, train_loss: 0.7120, step time: 1.0511
Batch 227/248, train_loss: 0.6852, step time: 1.0523
Batch 228/248, train_loss: 0.7229, step time: 1.0531
Batch 229/248, train_loss: 0.6759, step time: 1.0498
Batch 230/248, train_loss: 0.6804, step time: 1.0476
Batch 231/248, train_loss: 0.7461, step time: 1.0481
Batch 232/248, train_loss: 0.6831, step time: 1.0461
Batch 233/248, train_loss: 0.9979, step time: 1.0688
Batch 234/248, train_loss: 0.8353, step time: 1.0688
Batch 235/248, train_loss: 0.7391, step time: 1.0437
Batch 236/248, train_loss: 0.9500, step time: 1.0589
Batch 237/248, train_loss: 0.6949, step time: 1.0542
Batch 238/248, train_loss: 0.6942, step time: 1.0502
Batch 239/248, train_loss: 0.6159, step time: 1.0494
Batch 240/248, train_loss: 0.7920, step time: 1.0566
Batch 241/248, train_loss: 0.8813, step time: 1.0575

```
Batch 242/248, train_loss: 0.7162, step time: 1.0511  
Batch 243/248, train_loss: 0.8361, step time: 1.0695  
Batch 244/248, train_loss: 0.8145, step time: 1.0629  
Batch 245/248, train_loss: 0.6774, step time: 1.0554  
Batch 246/248, train_loss: 0.8516, step time: 1.0447  
Batch 247/248, train_loss: 0.6403, step time: 1.0478  
Batch 248/248, train_loss: 1.0000, step time: 1.0480
```

Labels



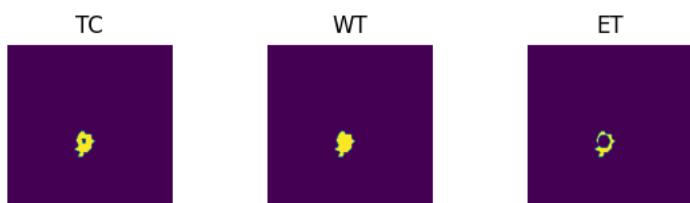
Predictions



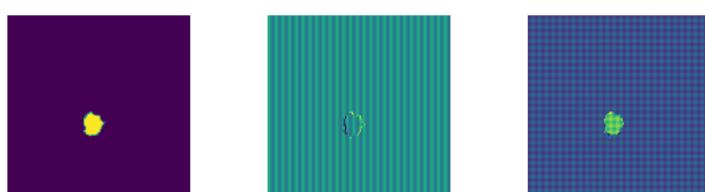
VAL

```
Batch 1/31, val_loss: 0.9154  
Batch 2/31, val_loss: 0.9707  
Batch 3/31, val_loss: 0.9848  
Batch 4/31, val_loss: 0.9729  
Batch 5/31, val_loss: 0.9938  
Batch 6/31, val_loss: 0.8231  
Batch 7/31, val_loss: 0.9122  
Batch 8/31, val_loss: 0.9848  
Batch 9/31, val_loss: 0.8295  
Batch 10/31, val_loss: 0.9849  
Batch 11/31, val_loss: 0.9005  
Batch 12/31, val_loss: 0.9832  
Batch 13/31, val_loss: 0.9772  
Batch 14/31, val_loss: 0.9716  
Batch 15/31, val_loss: 0.9956  
Batch 16/31, val_loss: 0.9790  
Batch 17/31, val_loss: 0.9872  
Batch 18/31, val_loss: 0.9696  
Batch 19/31, val_loss: 0.8742  
Batch 20/31, val_loss: 0.9412  
Batch 21/31, val_loss: 0.9739  
Batch 22/31, val_loss: 0.9889  
Batch 23/31, val_loss: 0.9841  
Batch 24/31, val_loss: 0.8373  
Batch 25/31, val_loss: 0.8911  
Batch 26/31, val_loss: 0.9555  
Batch 27/31, val_loss: 0.9944  
Batch 28/31, val_loss: 0.8743  
Batch 29/31, val_loss: 0.9911  
Batch 30/31, val_loss: 0.9859  
Batch 31/31, val_loss: 0.9842
```

Labels



Predictions



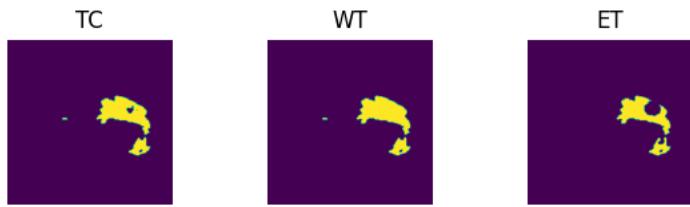
```
epoch 28
average train loss: 0.7548
average validation loss: 0.9488
saved as best model: False
current mean dice: 0.1831
current TC dice: 0.5166
current WT dice: 0.0094
current ET dice: 0.0191
Best Mean Metric: 0.1884
time consuming of epoch 28 is: 1651.2861
-----
epoch 29/100
TRAIN
Batch 1/248, train_loss: 0.6625, step time: 1.0688
Batch 2/248, train_loss: 0.9666, step time: 1.0454
Batch 3/248, train_loss: 0.8023, step time: 1.0741
Batch 4/248, train_loss: 0.9980, step time: 1.0442
Batch 5/248, train_loss: 0.7439, step time: 1.0610
Batch 6/248, train_loss: 0.8070, step time: 1.0686
Batch 7/248, train_loss: 0.6422, step time: 1.0522
Batch 8/248, train_loss: 0.9106, step time: 1.0657
Batch 9/248, train_loss: 0.6548, step time: 1.0581
Batch 10/248, train_loss: 0.7736, step time: 1.0721
Batch 11/248, train_loss: 0.7100, step time: 1.0682
Batch 12/248, train_loss: 0.7940, step time: 1.0503
Batch 13/248, train_loss: 0.7675, step time: 1.0570
Batch 14/248, train_loss: 0.6419, step time: 1.0388
Batch 15/248, train_loss: 0.7889, step time: 1.0381
Batch 16/248, train_loss: 0.7198, step time: 1.0456
Batch 17/248, train_loss: 0.7438, step time: 1.0610
Batch 18/248, train_loss: 0.8141, step time: 1.0668
Batch 19/248, train_loss: 0.7717, step time: 1.0647
Batch 20/248, train_loss: 0.7095, step time: 1.0571
Batch 21/248, train_loss: 0.6928, step time: 1.0673
Batch 22/248, train_loss: 0.9919, step time: 1.0457
Batch 23/248, train_loss: 0.9957, step time: 1.0493
Batch 24/248, train_loss: 0.6907, step time: 1.0543
Batch 25/248, train_loss: 0.6746, step time: 1.0420
Batch 26/248, train_loss: 0.8224, step time: 1.0572
Batch 27/248, train_loss: 0.6793, step time: 1.0517
Batch 28/248, train_loss: 0.7271, step time: 1.0531
Batch 29/248, train_loss: 0.7830, step time: 1.0586
Batch 30/248, train_loss: 0.7849, step time: 1.0584
Batch 31/248, train_loss: 0.7888, step time: 1.0524
Batch 32/248, train_loss: 0.6899, step time: 1.0424
Batch 33/248, train_loss: 0.6581, step time: 1.0419
Batch 34/248, train_loss: 0.6601, step time: 1.0702
Batch 35/248, train_loss: 0.6813, step time: 1.0670
Batch 36/248, train_loss: 0.8485, step time: 1.0441
Batch 37/248, train_loss: 0.7313, step time: 1.0361
Batch 38/248, train_loss: 0.7564, step time: 1.0488
Batch 39/248, train_loss: 0.7211, step time: 1.0423
Batch 40/248, train_loss: 0.9995, step time: 1.0420
Batch 41/248, train_loss: 0.7159, step time: 1.0621
Batch 42/248, train_loss: 0.6913, step time: 1.0600
Batch 43/248, train_loss: 0.6621, step time: 1.0402
Batch 44/248, train_loss: 0.7322, step time: 1.0497
Batch 45/248, train_loss: 0.8550, step time: 1.0623
Batch 46/248, train_loss: 0.7071, step time: 1.0600
Batch 47/248, train_loss: 0.6929, step time: 1.0425
Batch 48/248, train_loss: 0.7474, step time: 1.0435
Batch 49/248, train_loss: 0.7602, step time: 1.0525
Batch 50/248, train_loss: 0.7115, step time: 1.0390
Batch 51/248, train_loss: 0.7219, step time: 1.0480
Batch 52/248, train_loss: 0.7007, step time: 1.0424
Batch 53/248, train_loss: 0.7852, step time: 1.0521
Batch 54/248, train_loss: 0.7483, step time: 1.0672
Batch 55/248, train_loss: 0.7474, step time: 1.0584
Batch 56/248, train_loss: 0.7297, step time: 1.0662
Batch 57/248, train_loss: 0.7448, step time: 1.0568
Batch 58/248, train_loss: 0.6835, step time: 1.0366
Batch 59/248, train_loss: 0.6836, step time: 1.0434
Batch 60/248, train_loss: 0.6731, step time: 1.0634
Batch 61/248, train_loss: 0.6871, step time: 1.0632
Batch 62/248, train_loss: 0.7678, step time: 1.0589
Batch 63/248, train_loss: 0.8351, step time: 1.0500
Batch 64/248, train_loss: 0.7906, step time: 1.0463
Batch 65/248, train_loss: 0.7306, step time: 1.0641
Batch 66/248, train_loss: 0.7231, step time: 1.0517
Batch 67/248, train_loss: 0.6612, step time: 1.0644
Batch 68/248, train_loss: 0.6906, step time: 1.0429
Batch 69/248, train_loss: 0.8096, step time: 1.0657
Batch 70/248, train_loss: 0.7074, step time: 1.0549
Batch 71/248, train_loss: 0.6980, step time: 1.0438
```

Batch 72/248, train_loss: 0.6683, step time: 1.0626
Batch 73/248, train_loss: 0.7082, step time: 1.0647
Batch 74/248, train_loss: 0.9979, step time: 1.0381
Batch 75/248, train_loss: 0.6908, step time: 1.0554
Batch 76/248, train_loss: 0.8147, step time: 1.0520
Batch 77/248, train_loss: 0.9054, step time: 1.0600
Batch 78/248, train_loss: 0.7054, step time: 1.0605
Batch 79/248, train_loss: 0.7163, step time: 1.0554
Batch 80/248, train_loss: 0.7377, step time: 1.0673
Batch 81/248, train_loss: 0.7402, step time: 1.0610
Batch 82/248, train_loss: 0.6832, step time: 1.0602
Batch 83/248, train_loss: 0.8585, step time: 1.0560
Batch 84/248, train_loss: 0.7365, step time: 1.0414
Batch 85/248, train_loss: 0.7899, step time: 1.0419
Batch 86/248, train_loss: 0.7370, step time: 1.0545
Batch 87/248, train_loss: 0.7820, step time: 1.0441
Batch 88/248, train_loss: 0.7740, step time: 1.0671
Batch 89/248, train_loss: 0.6533, step time: 1.0511
Batch 90/248, train_loss: 0.7276, step time: 1.0554
Batch 91/248, train_loss: 0.7797, step time: 1.0536
Batch 92/248, train_loss: 0.7685, step time: 1.0535
Batch 93/248, train_loss: 0.7081, step time: 1.0487
Batch 94/248, train_loss: 0.7338, step time: 1.0437
Batch 95/248, train_loss: 0.7147, step time: 1.0473
Batch 96/248, train_loss: 0.7157, step time: 1.0558
Batch 97/248, train_loss: 0.8211, step time: 1.0626
Batch 98/248, train_loss: 0.6813, step time: 1.0559
Batch 99/248, train_loss: 0.7711, step time: 1.0602
Batch 100/248, train_loss: 0.8306, step time: 1.0463
Batch 101/248, train_loss: 0.6403, step time: 1.0456
Batch 102/248, train_loss: 0.7087, step time: 1.0522
Batch 103/248, train_loss: 0.7747, step time: 1.0630
Batch 104/248, train_loss: 0.7344, step time: 1.0615
Batch 105/248, train_loss: 0.6715, step time: 1.0683
Batch 106/248, train_loss: 0.7097, step time: 1.0709
Batch 107/248, train_loss: 0.7379, step time: 1.0691
Batch 108/248, train_loss: 0.8592, step time: 1.0579
Batch 109/248, train_loss: 0.8651, step time: 1.0477
Batch 110/248, train_loss: 0.7497, step time: 1.0514
Batch 111/248, train_loss: 0.6729, step time: 1.0508
Batch 112/248, train_loss: 0.6804, step time: 1.0558
Batch 113/248, train_loss: 0.9956, step time: 1.0680
Batch 114/248, train_loss: 0.6731, step time: 1.0563
Batch 115/248, train_loss: 0.7228, step time: 1.0553
Batch 116/248, train_loss: 0.6738, step time: 1.0565
Batch 117/248, train_loss: 0.8886, step time: 1.0453
Batch 118/248, train_loss: 0.7361, step time: 1.0497
Batch 119/248, train_loss: 0.7407, step time: 1.0451
Batch 120/248, train_loss: 0.7420, step time: 1.0560
Batch 121/248, train_loss: 0.7581, step time: 1.0666
Batch 122/248, train_loss: 0.8147, step time: 1.0681
Batch 123/248, train_loss: 0.6839, step time: 1.0527
Batch 124/248, train_loss: 0.8459, step time: 1.0504
Batch 125/248, train_loss: 0.8845, step time: 1.0462
Batch 126/248, train_loss: 0.7270, step time: 1.0641
Batch 127/248, train_loss: 0.6973, step time: 1.0448
Batch 128/248, train_loss: 0.8144, step time: 1.0457
Batch 129/248, train_loss: 0.6713, step time: 1.0410
Batch 130/248, train_loss: 0.6690, step time: 1.0484
Batch 131/248, train_loss: 0.7701, step time: 1.0610
Batch 132/248, train_loss: 0.7390, step time: 1.0367
Batch 133/248, train_loss: 0.6948, step time: 1.0610
Batch 134/248, train_loss: 0.8083, step time: 1.0530
Batch 135/248, train_loss: 0.7165, step time: 1.0502
Batch 136/248, train_loss: 0.7052, step time: 1.0475
Batch 137/248, train_loss: 0.7213, step time: 1.0620
Batch 138/248, train_loss: 0.6998, step time: 1.0649
Batch 139/248, train_loss: 0.7484, step time: 1.0493
Batch 140/248, train_loss: 0.8259, step time: 1.0486
Batch 141/248, train_loss: 0.7477, step time: 1.0453
Batch 142/248, train_loss: 0.9300, step time: 1.0666
Batch 143/248, train_loss: 0.7685, step time: 1.0625
Batch 144/248, train_loss: 0.6978, step time: 1.0567
Batch 145/248, train_loss: 0.6514, step time: 1.0448
Batch 146/248, train_loss: 0.7836, step time: 1.0426
Batch 147/248, train_loss: 0.6283, step time: 1.0581
Batch 148/248, train_loss: 0.8455, step time: 1.0427
Batch 149/248, train_loss: 0.7161, step time: 1.0524
Batch 150/248, train_loss: 0.8441, step time: 1.0611
Batch 151/248, train_loss: 0.7686, step time: 1.0708
Batch 152/248, train_loss: 0.6309, step time: 1.0648
Batch 153/248, train_loss: 0.7643, step time: 1.0490
Batch 154/248, train_loss: 0.8556, step time: 1.0596
Batch 155/248, train_loss: 0.7175, step time: 1.0407
Batch 156/248, train_loss: 0.7134, step time: 1.0659

Batch 157/248, train_loss: 0.7711, step time: 1.0620
Batch 158/248, train_loss: 0.9985, step time: 1.0349
Batch 159/248, train_loss: 0.8205, step time: 1.0527
Batch 160/248, train_loss: 0.6962, step time: 1.0584
Batch 161/248, train_loss: 0.6902, step time: 1.0473
Batch 162/248, train_loss: 0.6401, step time: 1.0629
Batch 163/248, train_loss: 0.7241, step time: 1.0548
Batch 164/248, train_loss: 0.7253, step time: 1.0511
Batch 165/248, train_loss: 0.8746, step time: 1.0553
Batch 166/248, train_loss: 0.6971, step time: 1.0488
Batch 167/248, train_loss: 0.7233, step time: 1.0653
Batch 168/248, train_loss: 0.7168, step time: 1.0535
Batch 169/248, train_loss: 0.6892, step time: 1.0664
Batch 170/248, train_loss: 0.9158, step time: 1.0504
Batch 171/248, train_loss: 0.6596, step time: 1.0627
Batch 172/248, train_loss: 0.8799, step time: 1.0566
Batch 173/248, train_loss: 0.6754, step time: 1.0581
Batch 174/248, train_loss: 0.9845, step time: 1.0423
Batch 175/248, train_loss: 0.7070, step time: 1.0383
Batch 176/248, train_loss: 0.7903, step time: 1.0459
Batch 177/248, train_loss: 0.7572, step time: 1.0495
Batch 178/248, train_loss: 0.7245, step time: 1.0511
Batch 179/248, train_loss: 0.6287, step time: 1.0478
Batch 180/248, train_loss: 0.7891, step time: 1.0674
Batch 181/248, train_loss: 0.6782, step time: 1.0491
Batch 182/248, train_loss: 0.9622, step time: 1.0372
Batch 183/248, train_loss: 0.6864, step time: 1.0568
Batch 184/248, train_loss: 0.7921, step time: 1.0434
Batch 185/248, train_loss: 0.7026, step time: 1.0648
Batch 186/248, train_loss: 0.7029, step time: 1.0576
Batch 187/248, train_loss: 0.7007, step time: 1.0695
Batch 188/248, train_loss: 0.7551, step time: 1.0569
Batch 189/248, train_loss: 0.8362, step time: 1.0564
Batch 190/248, train_loss: 0.7023, step time: 1.0558
Batch 191/248, train_loss: 0.8735, step time: 1.0719
Batch 192/248, train_loss: 0.7271, step time: 1.0645
Batch 193/248, train_loss: 0.7433, step time: 1.0521
Batch 194/248, train_loss: 0.6982, step time: 1.0488
Batch 195/248, train_loss: 0.8829, step time: 1.0547
Batch 196/248, train_loss: 0.9999, step time: 1.0513
Batch 197/248, train_loss: 0.7489, step time: 1.0478
Batch 198/248, train_loss: 0.9962, step time: 1.0540
Batch 199/248, train_loss: 0.7276, step time: 1.0369
Batch 200/248, train_loss: 0.7091, step time: 1.0460
Batch 201/248, train_loss: 0.6975, step time: 1.0672
Batch 202/248, train_loss: 0.8014, step time: 1.0636
Batch 203/248, train_loss: 0.8853, step time: 1.0689
Batch 204/248, train_loss: 0.6744, step time: 1.0559
Batch 205/248, train_loss: 0.7885, step time: 1.0467
Batch 206/248, train_loss: 0.9121, step time: 1.0614
Batch 207/248, train_loss: 0.6824, step time: 1.0410
Batch 208/248, train_loss: 0.7143, step time: 1.0468
Batch 209/248, train_loss: 0.7081, step time: 1.0717
Batch 210/248, train_loss: 0.6804, step time: 1.0604
Batch 211/248, train_loss: 0.6803, step time: 1.0603
Batch 212/248, train_loss: 0.7372, step time: 1.0648
Batch 213/248, train_loss: 0.7016, step time: 1.0485
Batch 214/248, train_loss: 0.6868, step time: 1.0596
Batch 215/248, train_loss: 0.7931, step time: 1.0455
Batch 216/248, train_loss: 0.7125, step time: 1.0452
Batch 217/248, train_loss: 0.8212, step time: 1.0756
Batch 218/248, train_loss: 0.9742, step time: 1.0717
Batch 219/248, train_loss: 0.6976, step time: 1.0437
Batch 220/248, train_loss: 0.7662, step time: 1.0641
Batch 221/248, train_loss: 0.7695, step time: 1.0569
Batch 222/248, train_loss: 0.7341, step time: 1.0605
Batch 223/248, train_loss: 0.6551, step time: 1.0596
Batch 224/248, train_loss: 0.6859, step time: 1.0616
Batch 225/248, train_loss: 0.7551, step time: 1.0467
Batch 226/248, train_loss: 0.7184, step time: 1.0394
Batch 227/248, train_loss: 0.6839, step time: 1.0349
Batch 228/248, train_loss: 0.7253, step time: 1.0533
Batch 229/248, train_loss: 0.6782, step time: 1.0407
Batch 230/248, train_loss: 0.6928, step time: 1.0568
Batch 231/248, train_loss: 0.7641, step time: 1.0624
Batch 232/248, train_loss: 0.6824, step time: 1.0533
Batch 233/248, train_loss: 0.9941, step time: 1.0450
Batch 234/248, train_loss: 0.8257, step time: 1.0393
Batch 235/248, train_loss: 0.7517, step time: 1.0706
Batch 236/248, train_loss: 0.9034, step time: 1.0544
Batch 237/248, train_loss: 0.6946, step time: 1.0508
Batch 238/248, train_loss: 0.6978, step time: 1.0432
Batch 239/248, train_loss: 0.6290, step time: 1.0486
Batch 240/248, train_loss: 0.7931, step time: 1.0483
Batch 241/248, train_loss: 0.9073, step time: 1.0406

```
Batch 212/248, train_loss: 0.9075, step time: 1.0300  
Batch 242/248, train_loss: 0.7209, step time: 1.0464  
Batch 243/248, train_loss: 0.8425, step time: 1.0477  
Batch 244/248, train_loss: 0.8150, step time: 1.0592  
Batch 245/248, train_loss: 0.6776, step time: 1.0666  
Batch 246/248, train_loss: 0.8940, step time: 1.0695  
Batch 247/248, train_loss: 0.6487, step time: 1.0471  
Batch 248/248, train_loss: 0.9999, step time: 1.0395
```

Labels



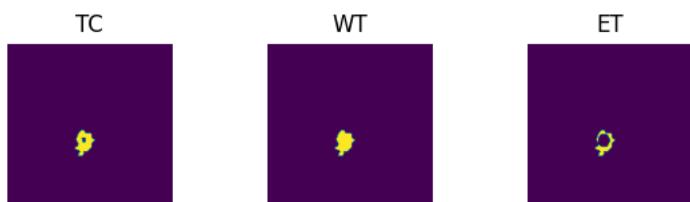
Predictions



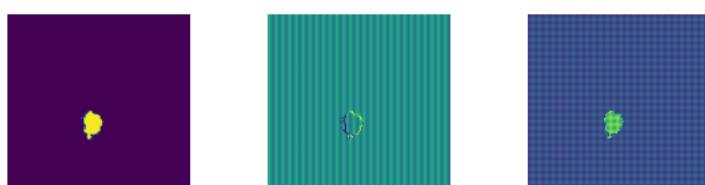
VAL

```
Batch 1/31, val_loss: 0.9251  
Batch 2/31, val_loss: 0.9882  
Batch 3/31, val_loss: 0.9868  
Batch 4/31, val_loss: 0.9749  
Batch 5/31, val_loss: 0.9958  
Batch 6/31, val_loss: 0.8250  
Batch 7/31, val_loss: 0.9126  
Batch 8/31, val_loss: 0.9832  
Batch 9/31, val_loss: 0.8310  
Batch 10/31, val_loss: 0.9886  
Batch 11/31, val_loss: 0.9035  
Batch 12/31, val_loss: 0.9843  
Batch 13/31, val_loss: 0.9799  
Batch 14/31, val_loss: 0.9752  
Batch 15/31, val_loss: 0.9967  
Batch 16/31, val_loss: 0.9833  
Batch 17/31, val_loss: 0.9868  
Batch 18/31, val_loss: 0.9742  
Batch 19/31, val_loss: 0.8736  
Batch 20/31, val_loss: 0.9545  
Batch 21/31, val_loss: 0.9764  
Batch 22/31, val_loss: 0.9906  
Batch 23/31, val_loss: 0.9901  
Batch 24/31, val_loss: 0.8430  
Batch 25/31, val_loss: 0.8935  
Batch 26/31, val_loss: 0.9587  
Batch 27/31, val_loss: 0.9959  
Batch 28/31, val_loss: 0.8725  
Batch 29/31, val_loss: 0.9933  
Batch 30/31, val_loss: 0.9838  
Batch 31/31, val_loss: 0.9851
```

Labels



Predictions



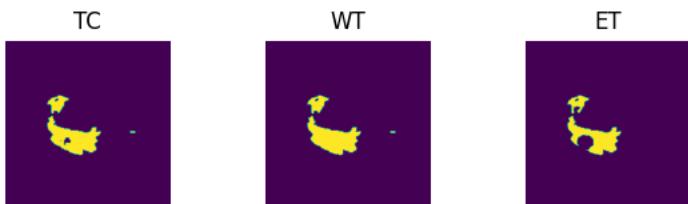
```
epoch 29
    average train loss: 0.7570
    average validation loss: 0.9518
    saved as best model: False
    current mean dice: 0.1830
    current TC dice: 0.5185
    current WT dice: 0.0091
    current ET dice: 0.0188
Best Mean Metric: 0.1884
time consuming of epoch 29 is: 1688.9018
-----
epoch 30/100
TRAIN
    Batch 1/248, train_loss: 0.6605, step time: 1.0480
    Batch 2/248, train_loss: 0.8937, step time: 1.0653
    Batch 3/248, train_loss: 0.7813, step time: 1.0520
    Batch 4/248, train_loss: 0.9976, step time: 1.0576
    Batch 5/248, train_loss: 0.7322, step time: 1.0363
    Batch 6/248, train_loss: 0.7576, step time: 1.0608
    Batch 7/248, train_loss: 0.6423, step time: 1.0642
    Batch 8/248, train_loss: 0.9161, step time: 1.0542
    Batch 9/248, train_loss: 0.6547, step time: 1.0710
    Batch 10/248, train_loss: 0.7605, step time: 1.0646
    Batch 11/248, train_loss: 0.6989, step time: 1.0705
    Batch 12/248, train_loss: 0.7598, step time: 1.0443
    Batch 13/248, train_loss: 0.7470, step time: 1.0683
    Batch 14/248, train_loss: 0.6278, step time: 1.0437
    Batch 15/248, train_loss: 0.7921, step time: 1.0646
    Batch 16/248, train_loss: 0.7180, step time: 1.0418
    Batch 17/248, train_loss: 0.7549, step time: 1.0550
    Batch 18/248, train_loss: 0.7718, step time: 1.0395
    Batch 19/248, train_loss: 0.6828, step time: 1.0400
    Batch 20/248, train_loss: 0.7352, step time: 1.0381
    Batch 21/248, train_loss: 0.6933, step time: 1.0382
    Batch 22/248, train_loss: 0.9993, step time: 1.0446
    Batch 23/248, train_loss: 0.9603, step time: 1.0704
    Batch 24/248, train_loss: 0.6898, step time: 1.0557
    Batch 25/248, train_loss: 0.6284, step time: 1.0559
    Batch 26/248, train_loss: 0.8114, step time: 1.0681
    Batch 27/248, train_loss: 0.6613, step time: 1.0670
    Batch 28/248, train_loss: 0.7214, step time: 1.0668
    Batch 29/248, train_loss: 0.7939, step time: 1.0671
    Batch 30/248, train_loss: 0.7443, step time: 1.0518
    Batch 31/248, train_loss: 0.7675, step time: 1.0526
    Batch 32/248, train_loss: 0.6877, step time: 1.0570
    Batch 33/248, train_loss: 0.6570, step time: 1.0412
    Batch 34/248, train_loss: 0.6606, step time: 1.0615
    Batch 35/248, train_loss: 0.6797, step time: 1.0465
    Batch 36/248, train_loss: 0.7782, step time: 1.0460
    Batch 37/248, train_loss: 0.7295, step time: 1.0471
    Batch 38/248, train_loss: 0.7548, step time: 1.0519
    Batch 39/248, train_loss: 0.7182, step time: 1.0546
    Batch 40/248, train_loss: 0.9981, step time: 1.0460
    Batch 41/248, train_loss: 0.7290, step time: 1.0550
    Batch 42/248, train_loss: 0.6866, step time: 1.0453
    Batch 43/248, train_loss: 0.6611, step time: 1.0629
    Batch 44/248, train_loss: 0.7876, step time: 1.0488
    Batch 45/248, train_loss: 0.8591, step time: 1.0577
    Batch 46/248, train_loss: 0.7106, step time: 1.0646
    Batch 47/248, train_loss: 0.6865, step time: 1.0403
    Batch 48/248, train_loss: 0.7539, step time: 1.0536
    Batch 49/248, train_loss: 0.7621, step time: 1.0635
    Batch 50/248, train_loss: 0.7076, step time: 1.0524
    Batch 51/248, train_loss: 0.7313, step time: 1.0679
    Batch 52/248, train_loss: 0.7023, step time: 1.0656
    Batch 53/248, train_loss: 0.7964, step time: 1.0662
    Batch 54/248, train_loss: 0.7484, step time: 1.0723
    Batch 55/248, train_loss: 0.7603, step time: 1.0673
    Batch 56/248, train_loss: 0.7228, step time: 1.0460
    Batch 57/248, train_loss: 0.7490, step time: 1.0565
    Batch 58/248, train_loss: 0.6820, step time: 1.0434
    Batch 59/248, train_loss: 0.6841, step time: 1.0460
    Batch 60/248, train_loss: 0.6741, step time: 1.0633
    Batch 61/248, train_loss: 0.6878, step time: 1.0583
    Batch 62/248, train_loss: 0.7645, step time: 1.0599
    Batch 63/248, train_loss: 0.8425, step time: 1.0573
    Batch 64/248, train_loss: 0.7913, step time: 1.0465
    Batch 65/248, train_loss: 0.7486, step time: 1.0369
    Batch 66/248, train_loss: 0.7155, step time: 1.0684
    Batch 67/248, train_loss: 0.6629, step time: 1.0385
    Batch 68/248, train_loss: 0.6890, step time: 1.0435
    Batch 69/248, train_loss: 0.8119, step time: 1.0509
    Batch 70/248, train_loss: 0.7059, step time: 1.0709
    Batch 71/248, train loss: 0.6955, step time: 1.0480
```

Batch 72/248, train_loss: 0.6701, step time: 1.0403
Batch 73/248, train_loss: 0.7669, step time: 1.0431
Batch 74/248, train_loss: 0.9979, step time: 1.0486
Batch 75/248, train_loss: 0.6918, step time: 1.0416
Batch 76/248, train_loss: 0.8064, step time: 1.0572
Batch 77/248, train_loss: 0.8754, step time: 1.0429
Batch 78/248, train_loss: 0.7139, step time: 1.0608
Batch 79/248, train_loss: 0.7305, step time: 1.0433
Batch 80/248, train_loss: 0.7314, step time: 1.0550
Batch 81/248, train_loss: 0.7488, step time: 1.0545
Batch 82/248, train_loss: 0.6823, step time: 1.0576
Batch 83/248, train_loss: 0.8681, step time: 1.0646
Batch 84/248, train_loss: 0.7375, step time: 1.0433
Batch 85/248, train_loss: 0.7766, step time: 1.0546
Batch 86/248, train_loss: 0.8352, step time: 1.0456
Batch 87/248, train_loss: 0.7635, step time: 1.0521
Batch 88/248, train_loss: 0.7735, step time: 1.0526
Batch 89/248, train_loss: 0.6562, step time: 1.0712
Batch 90/248, train_loss: 0.8439, step time: 1.0500
Batch 91/248, train_loss: 0.7865, step time: 1.0700
Batch 92/248, train_loss: 0.7927, step time: 1.0660
Batch 93/248, train_loss: 0.7078, step time: 1.0478
Batch 94/248, train_loss: 0.7438, step time: 1.0449
Batch 95/248, train_loss: 0.7167, step time: 1.0420
Batch 96/248, train_loss: 0.7151, step time: 1.0636
Batch 97/248, train_loss: 0.7902, step time: 1.0675
Batch 98/248, train_loss: 0.6804, step time: 1.0585
Batch 99/248, train_loss: 0.8044, step time: 1.0445
Batch 100/248, train_loss: 0.7990, step time: 1.0614
Batch 101/248, train_loss: 0.6426, step time: 1.0404
Batch 102/248, train_loss: 0.7112, step time: 1.0404
Batch 103/248, train_loss: 0.7772, step time: 1.0395
Batch 104/248, train_loss: 0.7522, step time: 1.0609
Batch 105/248, train_loss: 0.6729, step time: 1.0374
Batch 106/248, train_loss: 0.7151, step time: 1.0712
Batch 107/248, train_loss: 0.7426, step time: 1.0611
Batch 108/248, train_loss: 0.8220, step time: 1.0577
Batch 109/248, train_loss: 0.8030, step time: 1.0499
Batch 110/248, train_loss: 0.7321, step time: 1.0616
Batch 111/248, train_loss: 0.6867, step time: 1.0457
Batch 112/248, train_loss: 0.6854, step time: 1.0575
Batch 113/248, train_loss: 0.9987, step time: 1.0499
Batch 114/248, train_loss: 0.6807, step time: 1.0419
Batch 115/248, train_loss: 0.7372, step time: 1.0523
Batch 116/248, train_loss: 0.6725, step time: 1.0471
Batch 117/248, train_loss: 0.8933, step time: 1.0570
Batch 118/248, train_loss: 0.7380, step time: 1.0754
Batch 119/248, train_loss: 0.7390, step time: 1.0527
Batch 120/248, train_loss: 0.7432, step time: 1.0428
Batch 121/248, train_loss: 0.7529, step time: 1.0428
Batch 122/248, train_loss: 0.8175, step time: 1.0659
Batch 123/248, train_loss: 0.6806, step time: 1.0617
Batch 124/248, train_loss: 0.7418, step time: 1.0679
Batch 125/248, train_loss: 0.8152, step time: 1.0528
Batch 126/248, train_loss: 0.7128, step time: 1.0690
Batch 127/248, train_loss: 0.7023, step time: 1.0447
Batch 128/248, train_loss: 0.7491, step time: 1.0729
Batch 129/248, train_loss: 0.6661, step time: 1.0517
Batch 130/248, train_loss: 0.6705, step time: 1.0390
Batch 131/248, train_loss: 0.7766, step time: 1.0573
Batch 132/248, train_loss: 0.7332, step time: 1.0454
Batch 133/248, train_loss: 0.6679, step time: 1.0512
Batch 134/248, train_loss: 0.8504, step time: 1.0623
Batch 135/248, train_loss: 0.7372, step time: 1.0656
Batch 136/248, train_loss: 0.7090, step time: 1.0464
Batch 137/248, train_loss: 0.6944, step time: 1.0418
Batch 138/248, train_loss: 0.6728, step time: 1.0487
Batch 139/248, train_loss: 0.7245, step time: 1.0405
Batch 140/248, train_loss: 0.7292, step time: 1.0460
Batch 141/248, train_loss: 0.7082, step time: 1.0602
Batch 142/248, train_loss: 0.8705, step time: 1.0674
Batch 143/248, train_loss: 0.7521, step time: 1.0482
Batch 144/248, train_loss: 0.6994, step time: 1.0567
Batch 145/248, train_loss: 0.6298, step time: 1.0557
Batch 146/248, train_loss: 0.7527, step time: 1.0617
Batch 147/248, train_loss: 0.6282, step time: 1.0531
Batch 148/248, train_loss: 0.9074, step time: 1.0505
Batch 149/248, train_loss: 0.7090, step time: 1.0550
Batch 150/248, train_loss: 0.8657, step time: 1.0569
Batch 151/248, train_loss: 0.7478, step time: 1.0563
Batch 152/248, train_loss: 0.6280, step time: 1.0441
Batch 153/248, train_loss: 0.7510, step time: 1.0479
Batch 154/248, train_loss: 0.7982, step time: 1.0496
Batch 155/248, train_loss: 0.7044, step time: 1.0486
Batch 156/248, train_loss: 0.7110, step time: 1.0692

Batch 150/248, train_loss: 0.7410, step time: 1.0650
Batch 157/248, train_loss: 0.7668, step time: 1.0651
Batch 158/248, train_loss: 0.9991, step time: 1.0399
Batch 159/248, train_loss: 0.8378, step time: 1.0428
Batch 160/248, train_loss: 0.6843, step time: 1.0563
Batch 161/248, train_loss: 0.6877, step time: 1.0669
Batch 162/248, train_loss: 0.6453, step time: 1.0437
Batch 163/248, train_loss: 0.7083, step time: 1.0478
Batch 164/248, train_loss: 0.7174, step time: 1.0374
Batch 165/248, train_loss: 0.8891, step time: 1.0610
Batch 166/248, train_loss: 0.7053, step time: 1.0475
Batch 167/248, train_loss: 0.7113, step time: 1.0525
Batch 168/248, train_loss: 0.7213, step time: 1.0519
Batch 169/248, train_loss: 0.6856, step time: 1.0518
Batch 170/248, train_loss: 0.8770, step time: 1.0410
Batch 171/248, train_loss: 0.6680, step time: 1.0592
Batch 172/248, train_loss: 0.8251, step time: 1.0416
Batch 173/248, train_loss: 0.6764, step time: 1.0551
Batch 174/248, train_loss: 0.9389, step time: 1.0617
Batch 175/248, train_loss: 0.6986, step time: 1.0454
Batch 176/248, train_loss: 0.7817, step time: 1.0612
Batch 177/248, train_loss: 0.7603, step time: 1.0415
Batch 178/248, train_loss: 0.7877, step time: 1.0503
Batch 179/248, train_loss: 0.6316, step time: 1.0483
Batch 180/248, train_loss: 0.7854, step time: 1.0507
Batch 181/248, train_loss: 0.6746, step time: 1.0638
Batch 182/248, train_loss: 0.9513, step time: 1.0509
Batch 183/248, train_loss: 0.6927, step time: 1.0677
Batch 184/248, train_loss: 0.7702, step time: 1.0715
Batch 185/248, train_loss: 0.7022, step time: 1.0462
Batch 186/248, train_loss: 0.6926, step time: 1.0454
Batch 187/248, train_loss: 0.7019, step time: 1.0647
Batch 188/248, train_loss: 0.7387, step time: 1.0592
Batch 189/248, train_loss: 0.8806, step time: 1.0451
Batch 190/248, train_loss: 0.7954, step time: 1.0512
Batch 191/248, train_loss: 0.8464, step time: 1.0450
Batch 192/248, train_loss: 0.7258, step time: 1.0478
Batch 193/248, train_loss: 0.7444, step time: 1.0624
Batch 194/248, train_loss: 0.7028, step time: 1.0494
Batch 195/248, train_loss: 0.8234, step time: 1.0651
Batch 196/248, train_loss: 1.0000, step time: 1.0393
Batch 197/248, train_loss: 0.7561, step time: 1.0481
Batch 198/248, train_loss: 0.9939, step time: 1.0556
Batch 199/248, train_loss: 0.7228, step time: 1.0426
Batch 200/248, train_loss: 0.7030, step time: 1.0529
Batch 201/248, train_loss: 0.6998, step time: 1.0670
Batch 202/248, train_loss: 0.7881, step time: 1.0554
Batch 203/248, train_loss: 0.8401, step time: 1.0520
Batch 204/248, train_loss: 0.6749, step time: 1.0571
Batch 205/248, train_loss: 0.7618, step time: 1.0627
Batch 206/248, train_loss: 0.7637, step time: 1.0515
Batch 207/248, train_loss: 0.6822, step time: 1.0706
Batch 208/248, train_loss: 0.7205, step time: 1.0577
Batch 209/248, train_loss: 0.7069, step time: 1.0619
Batch 210/248, train_loss: 0.6713, step time: 1.0387
Batch 211/248, train_loss: 0.6775, step time: 1.0590
Batch 212/248, train_loss: 0.7344, step time: 1.0457
Batch 213/248, train_loss: 0.7027, step time: 1.0485
Batch 214/248, train_loss: 0.6837, step time: 1.0579
Batch 215/248, train_loss: 0.7648, step time: 1.0596
Batch 216/248, train_loss: 0.7280, step time: 1.0641
Batch 217/248, train_loss: 0.7885, step time: 1.0620
Batch 218/248, train_loss: 0.9667, step time: 1.0515
Batch 219/248, train_loss: 0.6864, step time: 1.0704
Batch 220/248, train_loss: 0.7639, step time: 1.0484
Batch 221/248, train_loss: 0.7753, step time: 1.0465
Batch 222/248, train_loss: 0.7395, step time: 1.0685
Batch 223/248, train_loss: 0.6553, step time: 1.0514
Batch 224/248, train_loss: 0.6812, step time: 1.0447
Batch 225/248, train_loss: 0.7485, step time: 1.0576
Batch 226/248, train_loss: 0.7266, step time: 1.0453
Batch 227/248, train_loss: 0.6849, step time: 1.0662
Batch 228/248, train_loss: 0.7274, step time: 1.0641
Batch 229/248, train_loss: 0.6701, step time: 1.0492
Batch 230/248, train_loss: 0.6792, step time: 1.0620
Batch 231/248, train_loss: 0.7567, step time: 1.0444
Batch 232/248, train_loss: 0.6821, step time: 1.0490
Batch 233/248, train_loss: 0.9873, step time: 1.0425
Batch 234/248, train_loss: 0.8352, step time: 1.0640
Batch 235/248, train_loss: 0.7701, step time: 1.0470
Batch 236/248, train_loss: 0.9064, step time: 1.0687
Batch 237/248, train_loss: 0.6922, step time: 1.0668
Batch 238/248, train_loss: 0.6903, step time: 1.0580
Batch 239/248, train_loss: 0.6082, step time: 1.0620
Batch 240/248, train_loss: 0.8009, step time: 1.0600

```
Batch 241/248, train_loss: 0.8706, step time: 1.0509  
Batch 242/248, train_loss: 0.7146, step time: 1.0591  
Batch 243/248, train_loss: 0.8827, step time: 1.0525  
Batch 244/248, train_loss: 0.8125, step time: 1.0417  
Batch 245/248, train_loss: 0.6770, step time: 1.0502  
Batch 246/248, train_loss: 0.8283, step time: 1.0585  
Batch 247/248, train_loss: 0.6443, step time: 1.0476  
Batch 248/248, train_loss: 0.9997, step time: 1.0450
```

Labels



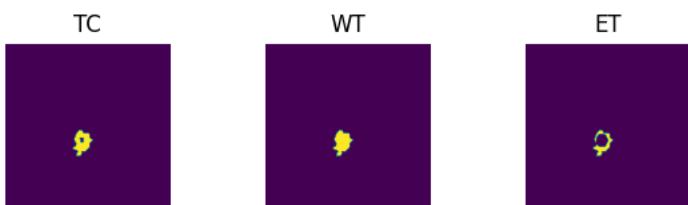
Predictions



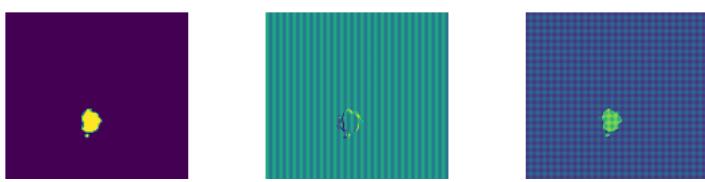
VAL

```
Batch 1/31, val_loss: 0.9161  
Batch 2/31, val_loss: 0.9866  
Batch 3/31, val_loss: 0.9853  
Batch 4/31, val_loss: 0.9753  
Batch 5/31, val_loss: 0.9965  
Batch 6/31, val_loss: 0.8233  
Batch 7/31, val_loss: 0.9130  
Batch 8/31, val_loss: 0.9867  
Batch 9/31, val_loss: 0.8296  
Batch 10/31, val_loss: 0.9842  
Batch 11/31, val_loss: 0.9028  
Batch 12/31, val_loss: 0.9844  
Batch 13/31, val_loss: 0.9801  
Batch 14/31, val_loss: 0.9739  
Batch 15/31, val_loss: 0.9972  
Batch 16/31, val_loss: 0.9835  
Batch 17/31, val_loss: 0.9879  
Batch 18/31, val_loss: 0.9721  
Batch 19/31, val_loss: 0.8735  
Batch 20/31, val_loss: 0.9418  
Batch 21/31, val_loss: 0.9752  
Batch 22/31, val_loss: 0.9921  
Batch 23/31, val_loss: 0.9855  
Batch 24/31, val_loss: 0.8385  
Batch 25/31, val_loss: 0.8924  
Batch 26/31, val_loss: 0.9602  
Batch 27/31, val_loss: 0.9955  
Batch 28/31, val_loss: 0.8718  
Batch 29/31, val_loss: 0.9915  
Batch 30/31, val_loss: 0.9904  
Batch 31/31, val_loss: 0.9856
```

Labels



Predictions



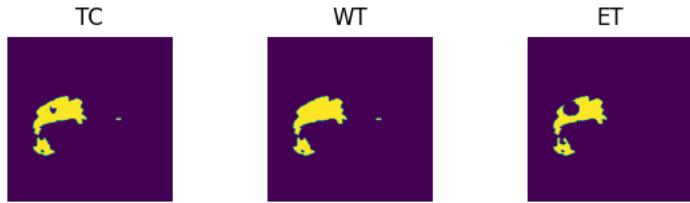
```
epoch 30
    average train loss: 0.7518
    average validation loss: 0.9507
    saved as best model: False
    current mean dice: 0.1782
    current TC dice: 0.5057
    current WT dice: 0.0094
    current ET dice: 0.0197
Best Mean Metric: 0.1884
time consuming of epoch 30 is: 1717.8609
-----
epoch 31/100
TRAIN
    Batch 1/248, train_loss: 0.6623, step time: 1.0491
    Batch 2/248, train_loss: 0.9409, step time: 1.0792
    Batch 3/248, train_loss: 0.7899, step time: 1.0470
    Batch 4/248, train_loss: 0.9943, step time: 1.0525
    Batch 5/248, train_loss: 0.7266, step time: 1.0446
    Batch 6/248, train_loss: 0.7396, step time: 1.0643
    Batch 7/248, train_loss: 0.6407, step time: 1.0620
    Batch 8/248, train_loss: 0.9153, step time: 1.0689
    Batch 9/248, train_loss: 0.6536, step time: 1.0608
    Batch 10/248, train_loss: 0.7571, step time: 1.0485
    Batch 11/248, train_loss: 0.6965, step time: 1.0522
    Batch 12/248, train_loss: 0.7602, step time: 1.0466
    Batch 13/248, train_loss: 0.7519, step time: 1.0687
    Batch 14/248, train_loss: 0.6302, step time: 1.0368
    Batch 15/248, train_loss: 0.7910, step time: 1.0674
    Batch 16/248, train_loss: 0.7080, step time: 1.0375
    Batch 17/248, train_loss: 0.7381, step time: 1.0624
    Batch 18/248, train_loss: 0.7756, step time: 1.0584
    Batch 19/248, train_loss: 0.6802, step time: 1.0483
    Batch 20/248, train_loss: 0.7246, step time: 1.0671
    Batch 21/248, train_loss: 0.6772, step time: 1.0469
    Batch 22/248, train_loss: 0.9040, step time: 1.0547
    Batch 23/248, train_loss: 0.9930, step time: 1.0564
    Batch 24/248, train_loss: 0.6892, step time: 1.0616
    Batch 25/248, train_loss: 0.6323, step time: 1.0492
    Batch 26/248, train_loss: 0.8224, step time: 1.0512
    Batch 27/248, train_loss: 0.6672, step time: 1.0614
    Batch 28/248, train_loss: 0.7252, step time: 1.0560
    Batch 29/248, train_loss: 0.8257, step time: 1.0690
    Batch 30/248, train_loss: 0.7450, step time: 1.0518
    Batch 31/248, train_loss: 0.7854, step time: 1.0403
    Batch 32/248, train_loss: 0.6892, step time: 1.0665
    Batch 33/248, train_loss: 0.6576, step time: 1.0360
    Batch 34/248, train_loss: 0.6613, step time: 1.0524
    Batch 35/248, train_loss: 0.6805, step time: 1.0499
    Batch 36/248, train_loss: 0.7736, step time: 1.0438
    Batch 37/248, train_loss: 0.7327, step time: 1.0411
    Batch 38/248, train_loss: 0.7508, step time: 1.0543
    Batch 39/248, train_loss: 0.7271, step time: 1.0460
    Batch 40/248, train_loss: 0.9988, step time: 1.0474
    Batch 41/248, train_loss: 0.7534, step time: 1.0468
    Batch 42/248, train_loss: 0.6837, step time: 1.0560
    Batch 43/248, train_loss: 0.6621, step time: 1.0579
    Batch 44/248, train_loss: 0.7232, step time: 1.0428
    Batch 45/248, train_loss: 0.9693, step time: 1.0737
    Batch 46/248, train_loss: 0.7147, step time: 1.0560
    Batch 47/248, train_loss: 0.6873, step time: 1.0633
    Batch 48/248, train_loss: 0.7404, step time: 1.0484
    Batch 49/248, train_loss: 0.7798, step time: 1.0608
    Batch 50/248, train_loss: 0.7080, step time: 1.0393
    Batch 51/248, train_loss: 0.7255, step time: 1.0605
    Batch 52/248, train_loss: 0.7050, step time: 1.0474
    Batch 53/248, train_loss: 0.7836, step time: 1.0481
    Batch 54/248, train_loss: 0.7469, step time: 1.0504
    Batch 55/248, train_loss: 0.7459, step time: 1.0408
    Batch 56/248, train_loss: 0.7218, step time: 1.0400
    Batch 57/248, train_loss: 0.7551, step time: 1.0711
    Batch 58/248, train_loss: 0.6854, step time: 1.0430
    Batch 59/248, train_loss: 0.6854, step time: 1.0517
    Batch 60/248, train_loss: 0.6736, step time: 1.0453
    Batch 61/248, train_loss: 0.6906, step time: 1.0560
    Batch 62/248, train_loss: 0.7699, step time: 1.0449
    Batch 63/248, train_loss: 0.8314, step time: 1.0577
    Batch 64/248, train_loss: 0.8203, step time: 1.0450
    Batch 65/248, train_loss: 0.7368, step time: 1.0374
    Batch 66/248, train_loss: 0.7111, step time: 1.0627
    Batch 67/248, train_loss: 0.6597, step time: 1.0355
    Batch 68/248, train_loss: 0.6862, step time: 1.0452
    Batch 69/248, train_loss: 0.8193, step time: 1.0501
    Batch 70/248, train_loss: 0.7071, step time: 1.0472
    total 71/248 train loss: 0.6022 step time: 1.0610
```

Batch 1/248, train_loss: 0.0952, step time: 1.0019
Batch 2/248, train_loss: 0.6697, step time: 1.0553
Batch 3/248, train_loss: 0.8288, step time: 1.0465
Batch 4/248, train_loss: 0.9979, step time: 1.0553
Batch 5/248, train_loss: 0.6905, step time: 1.0549
Batch 6/248, train_loss: 0.8126, step time: 1.0456
Batch 7/248, train_loss: 0.8964, step time: 1.0623
Batch 8/248, train_loss: 0.7003, step time: 1.0501
Batch 9/248, train_loss: 0.7110, step time: 1.0570
Batch 10/248, train_loss: 0.7278, step time: 1.0389
Batch 11/248, train_loss: 0.7232, step time: 1.0507
Batch 12/248, train_loss: 0.6824, step time: 1.0668
Batch 13/248, train_loss: 0.8685, step time: 1.0524
Batch 14/248, train_loss: 0.7348, step time: 1.0518
Batch 15/248, train_loss: 0.7797, step time: 1.0557
Batch 16/248, train_loss: 0.7486, step time: 1.0412
Batch 17/248, train_loss: 0.7898, step time: 1.0699
Batch 18/248, train_loss: 0.7733, step time: 1.0608
Batch 19/248, train_loss: 0.6503, step time: 1.0415
Batch 20/248, train_loss: 0.8397, step time: 1.0433
Batch 21/248, train_loss: 0.7796, step time: 1.0579
Batch 22/248, train_loss: 0.7752, step time: 1.0502
Batch 23/248, train_loss: 0.7075, step time: 1.0591
Batch 24/248, train_loss: 0.7349, step time: 1.0452
Batch 25/248, train_loss: 0.7159, step time: 1.0413
Batch 26/248, train_loss: 0.7081, step time: 1.0542
Batch 27/248, train_loss: 0.8006, step time: 1.0697
Batch 28/248, train_loss: 0.6760, step time: 1.0448
Batch 29/248, train_loss: 0.7703, step time: 1.0446
Batch 30/248, train_loss: 0.7755, step time: 1.0505
Batch 31/248, train_loss: 0.6362, step time: 1.0536
Batch 32/248, train_loss: 0.7001, step time: 1.0596
Batch 33/248, train_loss: 0.8120, step time: 1.0504
Batch 34/248, train_loss: 0.7361, step time: 1.0680
Batch 35/248, train_loss: 0.6741, step time: 1.0448
Batch 36/248, train_loss: 0.7169, step time: 1.0749
Batch 37/248, train_loss: 0.7325, step time: 1.0660
Batch 38/248, train_loss: 0.8291, step time: 1.0586
Batch 39/248, train_loss: 0.8247, step time: 1.0647
Batch 40/248, train_loss: 0.7234, step time: 1.0492
Batch 41/248, train_loss: 0.7483, step time: 1.0707
Batch 42/248, train_loss: 0.7103, step time: 1.0550
Batch 43/248, train_loss: 0.9962, step time: 1.0681
Batch 44/248, train_loss: 0.7182, step time: 1.0522
Batch 45/248, train_loss: 0.9534, step time: 1.0676
Batch 46/248, train_loss: 0.7300, step time: 1.0451
Batch 47/248, train_loss: 0.9971, step time: 1.0367
Batch 48/248, train_loss: 0.8916, step time: 1.0698
Batch 49/248, train_loss: 0.7603, step time: 1.0394
Batch 50/248, train_loss: 0.8076, step time: 1.0359
Batch 51/248, train_loss: 0.7469, step time: 1.0463
Batch 52/248, train_loss: 0.8753, step time: 1.0506
Batch 53/248, train_loss: 0.9059, step time: 1.0535
Batch 54/248, train_loss: 0.7418, step time: 1.0612
Batch 55/248, train_loss: 0.8357, step time: 1.0615
Batch 56/248, train_loss: 0.7468, step time: 1.0451
Batch 57/248, train_loss: 0.7153, step time: 1.0566
Batch 58/248, train_loss: 0.7829, step time: 1.0681
Batch 59/248, train_loss: 0.6938, step time: 1.0651
Batch 60/248, train_loss: 0.6688, step time: 1.0668
Batch 61/248, train_loss: 0.7853, step time: 1.0484
Batch 62/248, train_loss: 0.7323, step time: 1.0491
Batch 63/248, train_loss: 0.6773, step time: 1.0667
Batch 64/248, train_loss: 0.9837, step time: 1.0427
Batch 65/248, train_loss: 0.7204, step time: 1.0600
Batch 66/248, train_loss: 0.7175, step time: 1.0545
Batch 67/248, train_loss: 0.6948, step time: 1.0592
Batch 68/248, train_loss: 0.6779, step time: 1.0447
Batch 69/248, train_loss: 0.7119, step time: 1.0561
Batch 70/248, train_loss: 0.7515, step time: 1.0703
Batch 71/248, train_loss: 0.7193, step time: 1.0570
Batch 72/248, train_loss: 0.8645, step time: 1.0418
Batch 73/248, train_loss: 0.7505, step time: 1.0710
Batch 74/248, train_loss: 0.6996, step time: 1.0568
Batch 75/248, train_loss: 0.6393, step time: 1.0641
Batch 76/248, train_loss: 0.7655, step time: 1.0695
Batch 77/248, train_loss: 0.6304, step time: 1.0637
Batch 78/248, train_loss: 0.8446, step time: 1.0484
Batch 79/248, train_loss: 0.7071, step time: 1.0647
Batch 80/248, train_loss: 0.8782, step time: 1.0740
Batch 81/248, train_loss: 0.8380, step time: 1.0510
Batch 82/248, train_loss: 0.6326, step time: 1.0493
Batch 83/248, train_loss: 0.7721, step time: 1.0682
Batch 84/248, train_loss: 0.9375, step time: 1.0512
Batch 85/248, train_loss: 0.7000, step time: 1.0436

Batch 156/248, train_loss: 0.7312, step time: 1.0471
Batch 157/248, train_loss: 0.7546, step time: 1.0747
Batch 158/248, train_loss: 0.9984, step time: 1.0491
Batch 159/248, train_loss: 0.7668, step time: 1.0510
Batch 160/248, train_loss: 0.6846, step time: 1.0685
Batch 161/248, train_loss: 0.6939, step time: 1.0596
Batch 162/248, train_loss: 0.6461, step time: 1.0604
Batch 163/248, train_loss: 0.7543, step time: 1.0458
Batch 164/248, train_loss: 0.7229, step time: 1.0664
Batch 165/248, train_loss: 0.8974, step time: 1.0646
Batch 166/248, train_loss: 0.7014, step time: 1.0728
Batch 167/248, train_loss: 0.7154, step time: 1.0599
Batch 168/248, train_loss: 0.7232, step time: 1.0645
Batch 169/248, train_loss: 0.6869, step time: 1.0455
Batch 170/248, train_loss: 0.8738, step time: 1.0595
Batch 171/248, train_loss: 0.6650, step time: 1.0435
Batch 172/248, train_loss: 0.8560, step time: 1.0460
Batch 173/248, train_loss: 0.6819, step time: 1.0488
Batch 174/248, train_loss: 0.9899, step time: 1.0426
Batch 175/248, train_loss: 0.7162, step time: 1.0472
Batch 176/248, train_loss: 0.8107, step time: 1.0435
Batch 177/248, train_loss: 0.7593, step time: 1.0583
Batch 178/248, train_loss: 0.7631, step time: 1.0453
Batch 179/248, train_loss: 0.6421, step time: 1.0450
Batch 180/248, train_loss: 0.7966, step time: 1.0700
Batch 181/248, train_loss: 0.6754, step time: 1.0685
Batch 182/248, train_loss: 0.9949, step time: 1.0586
Batch 183/248, train_loss: 0.6898, step time: 1.0540
Batch 184/248, train_loss: 0.7895, step time: 1.0660
Batch 185/248, train_loss: 0.7100, step time: 1.0557
Batch 186/248, train_loss: 0.6945, step time: 1.0435
Batch 187/248, train_loss: 0.7074, step time: 1.0469
Batch 188/248, train_loss: 0.7377, step time: 1.0695
Batch 189/248, train_loss: 0.8549, step time: 1.0575
Batch 190/248, train_loss: 0.7077, step time: 1.0456
Batch 191/248, train_loss: 0.8372, step time: 1.0504
Batch 192/248, train_loss: 0.7438, step time: 1.0672
Batch 193/248, train_loss: 0.7813, step time: 1.0600
Batch 194/248, train_loss: 0.7045, step time: 1.0606
Batch 195/248, train_loss: 0.8430, step time: 1.0487
Batch 196/248, train_loss: 1.0000, step time: 1.0564
Batch 197/248, train_loss: 0.7402, step time: 1.0531
Batch 198/248, train_loss: 0.9954, step time: 1.0604
Batch 199/248, train_loss: 0.7340, step time: 1.0504
Batch 200/248, train_loss: 0.6998, step time: 1.0544
Batch 201/248, train_loss: 0.7004, step time: 1.0471
Batch 202/248, train_loss: 0.7987, step time: 1.0545
Batch 203/248, train_loss: 0.8244, step time: 1.0679
Batch 204/248, train_loss: 0.6773, step time: 1.0664
Batch 205/248, train_loss: 0.7629, step time: 1.0417
Batch 206/248, train_loss: 0.7388, step time: 1.0591
Batch 207/248, train_loss: 0.6829, step time: 1.0597
Batch 208/248, train_loss: 0.7389, step time: 1.0625
Batch 209/248, train_loss: 0.7079, step time: 1.0621
Batch 210/248, train_loss: 0.6727, step time: 1.0531
Batch 211/248, train_loss: 0.6778, step time: 1.0535
Batch 212/248, train_loss: 0.7439, step time: 1.0664
Batch 213/248, train_loss: 0.7017, step time: 1.0643
Batch 214/248, train_loss: 0.6848, step time: 1.0489
Batch 215/248, train_loss: 0.7776, step time: 1.0418
Batch 216/248, train_loss: 0.7317, step time: 1.0647
Batch 217/248, train_loss: 0.7743, step time: 1.0418
Batch 218/248, train_loss: 0.9651, step time: 1.0711
Batch 219/248, train_loss: 0.6851, step time: 1.0654
Batch 220/248, train_loss: 0.7634, step time: 1.0592
Batch 221/248, train_loss: 0.7486, step time: 1.0583
Batch 222/248, train_loss: 0.7319, step time: 1.0620
Batch 223/248, train_loss: 0.6550, step time: 1.0671
Batch 224/248, train_loss: 0.6824, step time: 1.0592
Batch 225/248, train_loss: 0.7469, step time: 1.0556
Batch 226/248, train_loss: 0.7102, step time: 1.0633
Batch 227/248, train_loss: 0.6860, step time: 1.0532
Batch 228/248, train_loss: 0.7247, step time: 1.0671
Batch 229/248, train_loss: 0.6728, step time: 1.0405
Batch 230/248, train_loss: 0.6830, step time: 1.0679
Batch 231/248, train_loss: 0.7684, step time: 1.0496
Batch 232/248, train_loss: 0.6827, step time: 1.0566
Batch 233/248, train_loss: 0.9904, step time: 1.0715
Batch 234/248, train_loss: 0.8573, step time: 1.0644
Batch 235/248, train_loss: 0.7441, step time: 1.0499
Batch 236/248, train_loss: 0.9077, step time: 1.0662
Batch 237/248, train_loss: 0.6909, step time: 1.0452
Batch 238/248, train_loss: 0.6896, step time: 1.0463
Batch 239/248, train_loss: 0.6100, step time: 1.0635
Batch 240/248, train_loss: 0.7810, step time: 1.0428

```
Batch 241/248, train_loss: 0.8767, step time: 1.0560  
Batch 242/248, train_loss: 0.7141, step time: 1.0617  
Batch 243/248, train_loss: 0.8511, step time: 1.0411  
Batch 244/248, train_loss: 0.8131, step time: 1.0517  
Batch 245/248, train_loss: 0.6754, step time: 1.0367  
Batch 246/248, train_loss: 0.8377, step time: 1.0520  
Batch 247/248, train_loss: 0.6425, step time: 1.0664  
Batch 248/248, train_loss: 0.9999, step time: 1.0507
```

Labels



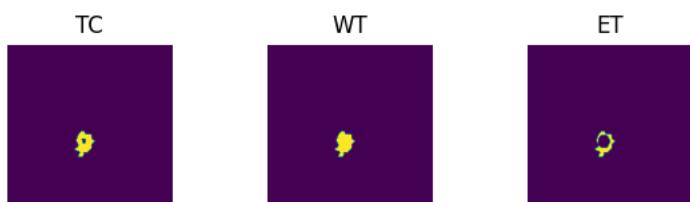
Predictions



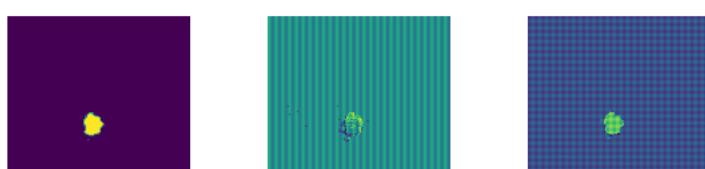
VAL

```
Batch 1/31, val_loss: 0.9288  
Batch 2/31, val_loss: 0.9788  
Batch 3/31, val_loss: 0.9859  
Batch 4/31, val_loss: 0.9756  
Batch 5/31, val_loss: 0.9960  
Batch 6/31, val_loss: 0.8250  
Batch 7/31, val_loss: 0.9127  
Batch 8/31, val_loss: 0.9860  
Batch 9/31, val_loss: 0.8286  
Batch 10/31, val_loss: 0.9842  
Batch 11/31, val_loss: 0.9025  
Batch 12/31, val_loss: 0.9860  
Batch 13/31, val_loss: 0.9812  
Batch 14/31, val_loss: 0.9751  
Batch 15/31, val_loss: 0.9969  
Batch 16/31, val_loss: 0.9828  
Batch 17/31, val_loss: 0.9876  
Batch 18/31, val_loss: 0.9729  
Batch 19/31, val_loss: 0.8744  
Batch 20/31, val_loss: 0.9474  
Batch 21/31, val_loss: 0.9504  
Batch 22/31, val_loss: 0.9904  
Batch 23/31, val_loss: 0.9858  
Batch 24/31, val_loss: 0.8367  
Batch 25/31, val_loss: 0.8920  
Batch 26/31, val_loss: 0.9613  
Batch 27/31, val_loss: 0.9960  
Batch 28/31, val_loss: 0.8736  
Batch 29/31, val_loss: 0.9925  
Batch 30/31, val_loss: 0.9888  
Batch 31/31, val_loss: 0.9848
```

Labels



Predictions



epoch 31
average train loss: 0.7579
average validation loss: 0.9504
saved as best model: False
current mean dice: 0.1709
current TC dice: 0.4835
current WT dice: 0.0098
current ET dice: 0.0201
Best Mean Metric: 0.1884
time consuming of epoch 31 is: 1708.5996

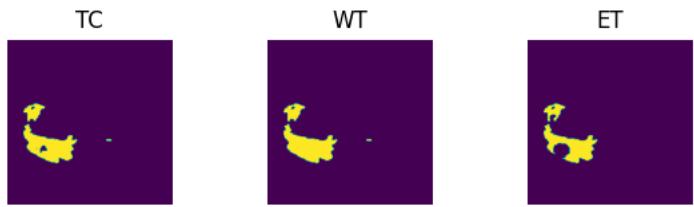
epoch 32/100
TRAIN
Batch 1/248, train_loss: 0.6589, step time: 1.0484
Batch 2/248, train_loss: 0.9353, step time: 1.0515
Batch 3/248, train_loss: 0.7872, step time: 1.0678
Batch 4/248, train_loss: 0.9971, step time: 1.0659
Batch 5/248, train_loss: 0.7402, step time: 1.0634
Batch 6/248, train_loss: 0.7356, step time: 1.0538
Batch 7/248, train_loss: 0.6444, step time: 1.0576
Batch 8/248, train_loss: 0.9094, step time: 1.0561
Batch 9/248, train_loss: 0.6514, step time: 1.0482
Batch 10/248, train_loss: 0.7712, step time: 1.0709
Batch 11/248, train_loss: 0.6952, step time: 1.0695
Batch 12/248, train_loss: 0.7534, step time: 1.0615
Batch 13/248, train_loss: 0.7597, step time: 1.0575
Batch 14/248, train_loss: 0.6330, step time: 1.0588
Batch 15/248, train_loss: 0.7888, step time: 1.0652
Batch 16/248, train_loss: 0.7087, step time: 1.0554
Batch 17/248, train_loss: 0.7489, step time: 1.0485
Batch 18/248, train_loss: 0.7598, step time: 1.0442
Batch 19/248, train_loss: 0.6730, step time: 1.0463
Batch 20/248, train_loss: 0.7559, step time: 1.0646
Batch 21/248, train_loss: 0.6828, step time: 1.0479
Batch 22/248, train_loss: 0.9972, step time: 1.0656
Batch 23/248, train_loss: 0.9707, step time: 1.0591
Batch 24/248, train_loss: 0.6883, step time: 1.0565
Batch 25/248, train_loss: 0.6296, step time: 1.0733
Batch 26/248, train_loss: 0.8121, step time: 1.0739
Batch 27/248, train_loss: 0.6591, step time: 1.0628
Batch 28/248, train_loss: 0.7231, step time: 1.0624
Batch 29/248, train_loss: 0.7913, step time: 1.0495
Batch 30/248, train_loss: 0.8257, step time: 1.0473
Batch 31/248, train_loss: 0.7811, step time: 1.0479
Batch 32/248, train_loss: 0.6909, step time: 1.0502
Batch 33/248, train_loss: 0.6577, step time: 1.0641
Batch 34/248, train_loss: 0.6602, step time: 1.0607
Batch 35/248, train_loss: 0.6790, step time: 1.0657
Batch 36/248, train_loss: 0.7766, step time: 1.0677
Batch 37/248, train_loss: 0.7317, step time: 1.0433
Batch 38/248, train_loss: 0.7534, step time: 1.0677
Batch 39/248, train_loss: 0.7102, step time: 1.0697
Batch 40/248, train_loss: 0.9985, step time: 1.0553
Batch 41/248, train_loss: 0.7234, step time: 1.0447
Batch 42/248, train_loss: 0.6848, step time: 1.0656
Batch 43/248, train_loss: 0.6608, step time: 1.0432
Batch 44/248, train_loss: 0.7121, step time: 1.0524
Batch 45/248, train_loss: 0.8710, step time: 1.0606
Batch 46/248, train_loss: 0.7204, step time: 1.0482
Batch 47/248, train_loss: 0.6867, step time: 1.0559
Batch 48/248, train_loss: 0.7514, step time: 1.0442
Batch 49/248, train_loss: 0.7577, step time: 1.0419
Batch 50/248, train_loss: 0.7072, step time: 1.0232
Batch 51/248, train_loss: 0.7199, step time: 1.0408
Batch 52/248, train_loss: 0.7014, step time: 1.0538
Batch 53/248, train_loss: 0.7868, step time: 1.0504
Batch 54/248, train_loss: 0.7435, step time: 1.0485
Batch 55/248, train_loss: 0.7517, step time: 1.0262
Batch 56/248, train_loss: 0.7235, step time: 1.0499
Batch 57/248, train_loss: 0.7465, step time: 1.0319
Batch 58/248, train_loss: 0.6835, step time: 1.0328
Batch 59/248, train_loss: 0.6859, step time: 1.0433
Batch 60/248, train_loss: 0.6731, step time: 1.0259
Batch 61/248, train_loss: 0.6883, step time: 1.0376
Batch 62/248, train_loss: 0.7675, step time: 1.0324
Batch 63/248, train_loss: 0.8232, step time: 1.0472
Batch 64/248, train_loss: 0.7908, step time: 1.0477
Batch 65/248, train_loss: 0.8466, step time: 1.0308
Batch 66/248, train_loss: 0.7044, step time: 1.0313
Batch 67/248, train_loss: 0.6606, step time: 1.0328
Batch 68/248, train_loss: 0.6887, step time: 1.0484
Batch 69/248, train_loss: 0.8138, step time: 1.0389
Batch 70/248, train_loss: 0.7050, step time: 1.0316

Batch 71/248, train_loss: 0.6886, step time: 1.0303
Batch 72/248, train_loss: 0.6709, step time: 1.0347
Batch 73/248, train_loss: 0.7290, step time: 1.0348
Batch 74/248, train_loss: 0.9979, step time: 1.0310
Batch 75/248, train_loss: 0.6894, step time: 1.0346
Batch 76/248, train_loss: 0.8298, step time: 1.0315
Batch 77/248, train_loss: 0.8614, step time: 1.0508
Batch 78/248, train_loss: 0.7117, step time: 1.0493
Batch 79/248, train_loss: 0.7203, step time: 1.0503
Batch 80/248, train_loss: 0.7343, step time: 1.0395
Batch 81/248, train_loss: 0.7473, step time: 1.0539
Batch 82/248, train_loss: 0.6831, step time: 1.0633
Batch 83/248, train_loss: 0.8695, step time: 1.0391
Batch 84/248, train_loss: 0.7203, step time: 1.0384
Batch 85/248, train_loss: 0.7779, step time: 1.0520
Batch 86/248, train_loss: 0.7394, step time: 1.0697
Batch 87/248, train_loss: 0.7870, step time: 1.0436
Batch 88/248, train_loss: 0.7756, step time: 1.0506
Batch 89/248, train_loss: 0.6538, step time: 1.0564
Batch 90/248, train_loss: 0.7497, step time: 1.0626
Batch 91/248, train_loss: 0.7735, step time: 1.0626
Batch 92/248, train_loss: 0.8074, step time: 1.0695
Batch 93/248, train_loss: 0.7070, step time: 1.0569
Batch 94/248, train_loss: 0.7470, step time: 1.0534
Batch 95/248, train_loss: 0.7158, step time: 1.0558
Batch 96/248, train_loss: 0.7125, step time: 1.0675
Batch 97/248, train_loss: 0.7821, step time: 1.0666
Batch 98/248, train_loss: 0.6795, step time: 1.0631
Batch 99/248, train_loss: 0.7681, step time: 1.0715
Batch 100/248, train_loss: 0.8014, step time: 1.0569
Batch 101/248, train_loss: 0.6395, step time: 1.0681
Batch 102/248, train_loss: 0.7127, step time: 1.0456
Batch 103/248, train_loss: 0.7852, step time: 1.0446
Batch 104/248, train_loss: 0.7342, step time: 1.0449
Batch 105/248, train_loss: 0.6712, step time: 1.0446
Batch 106/248, train_loss: 0.7083, step time: 1.0570
Batch 107/248, train_loss: 0.7558, step time: 1.2001
Batch 108/248, train_loss: 0.8508, step time: 1.0569
Batch 109/248, train_loss: 0.7839, step time: 1.0504
Batch 110/248, train_loss: 0.7204, step time: 1.0567
Batch 111/248, train_loss: 0.6818, step time: 1.0589
Batch 112/248, train_loss: 0.6848, step time: 1.0547
Batch 113/248, train_loss: 0.9880, step time: 1.0538
Batch 114/248, train_loss: 0.6795, step time: 1.0498
Batch 115/248, train_loss: 0.7058, step time: 1.0675
Batch 116/248, train_loss: 0.6681, step time: 1.0446
Batch 117/248, train_loss: 0.8650, step time: 1.0612
Batch 118/248, train_loss: 0.7449, step time: 1.0439
Batch 119/248, train_loss: 0.7377, step time: 1.0606
Batch 120/248, train_loss: 0.7269, step time: 1.0620
Batch 121/248, train_loss: 0.7539, step time: 1.0441
Batch 122/248, train_loss: 0.7933, step time: 1.0701
Batch 123/248, train_loss: 0.6775, step time: 1.0541
Batch 124/248, train_loss: 0.7345, step time: 1.0693
Batch 125/248, train_loss: 0.8081, step time: 1.0496
Batch 126/248, train_loss: 0.7238, step time: 1.0691
Batch 127/248, train_loss: 0.6960, step time: 1.0682
Batch 128/248, train_loss: 0.8316, step time: 1.0483
Batch 129/248, train_loss: 0.6717, step time: 1.0683
Batch 130/248, train_loss: 0.6704, step time: 1.0439
Batch 131/248, train_loss: 0.8400, step time: 1.0494
Batch 132/248, train_loss: 0.7305, step time: 1.0490
Batch 133/248, train_loss: 0.6604, step time: 1.0456
Batch 134/248, train_loss: 0.9418, step time: 1.0721
Batch 135/248, train_loss: 0.7234, step time: 1.0634
Batch 136/248, train_loss: 0.7015, step time: 1.0594
Batch 137/248, train_loss: 0.6841, step time: 1.0631
Batch 138/248, train_loss: 0.6650, step time: 1.0448
Batch 139/248, train_loss: 0.7257, step time: 1.0441
Batch 140/248, train_loss: 0.7279, step time: 1.0474
Batch 141/248, train_loss: 0.7049, step time: 1.0638
Batch 142/248, train_loss: 0.8890, step time: 1.0565
Batch 143/248, train_loss: 0.7369, step time: 1.0595
Batch 144/248, train_loss: 0.6951, step time: 1.0402
Batch 145/248, train_loss: 0.6318, step time: 1.0411
Batch 146/248, train_loss: 0.7745, step time: 1.0646
Batch 147/248, train_loss: 0.6241, step time: 1.0547
Batch 148/248, train_loss: 0.8311, step time: 1.0561
Batch 149/248, train_loss: 0.7057, step time: 1.0507
Batch 150/248, train_loss: 0.8595, step time: 1.0607
Batch 151/248, train_loss: 0.7769, step time: 1.0603
Batch 152/248, train_loss: 0.6254, step time: 1.0630
Batch 153/248, train_loss: 0.7499, step time: 1.0674
Batch 154/248, train_loss: 0.7737, step time: 1.0428
Batch 155/248, train_loss: 0.7047, step time: 1.0418

Batch 156/248, train_loss: 0.7131, step time: 1.0666
Batch 157/248, train_loss: 0.7464, step time: 1.0637
Batch 158/248, train_loss: 0.9992, step time: 1.0577
Batch 159/248, train_loss: 0.7552, step time: 1.0663
Batch 160/248, train_loss: 0.6871, step time: 1.0477
Batch 161/248, train_loss: 0.6893, step time: 1.0426
Batch 162/248, train_loss: 0.6225, step time: 1.0459
Batch 163/248, train_loss: 0.7126, step time: 1.0471
Batch 164/248, train_loss: 0.7144, step time: 1.0659
Batch 165/248, train_loss: 0.9269, step time: 1.0489
Batch 166/248, train_loss: 0.6971, step time: 1.0612
Batch 167/248, train_loss: 0.7132, step time: 1.0645
Batch 168/248, train_loss: 0.7185, step time: 1.0660
Batch 169/248, train_loss: 0.6841, step time: 1.0582
Batch 170/248, train_loss: 0.8973, step time: 1.0444
Batch 171/248, train_loss: 0.6564, step time: 1.0595
Batch 172/248, train_loss: 0.8262, step time: 1.0650
Batch 173/248, train_loss: 0.6666, step time: 1.0394
Batch 174/248, train_loss: 0.9929, step time: 1.0461
Batch 175/248, train_loss: 0.7076, step time: 1.0481
Batch 176/248, train_loss: 0.8007, step time: 1.0657
Batch 177/248, train_loss: 0.7484, step time: 1.0659
Batch 178/248, train_loss: 0.7210, step time: 1.0714
Batch 179/248, train_loss: 0.6345, step time: 1.0627
Batch 180/248, train_loss: 0.8137, step time: 1.0650
Batch 181/248, train_loss: 0.6717, step time: 1.0695
Batch 182/248, train_loss: 0.9538, step time: 1.0522
Batch 183/248, train_loss: 0.6830, step time: 1.0653
Batch 184/248, train_loss: 0.7632, step time: 1.0637
Batch 185/248, train_loss: 0.6970, step time: 1.0397
Batch 186/248, train_loss: 0.6886, step time: 1.0473
Batch 187/248, train_loss: 0.6986, step time: 1.0635
Batch 188/248, train_loss: 0.7392, step time: 1.0501
Batch 189/248, train_loss: 0.8318, step time: 1.0439
Batch 190/248, train_loss: 0.6978, step time: 1.0449
Batch 191/248, train_loss: 0.8376, step time: 1.0525
Batch 192/248, train_loss: 0.7373, step time: 1.0539
Batch 193/248, train_loss: 0.7430, step time: 1.0663
Batch 194/248, train_loss: 0.6983, step time: 1.0578
Batch 195/248, train_loss: 0.8111, step time: 1.0477
Batch 196/248, train_loss: 1.0000, step time: 1.0588
Batch 197/248, train_loss: 0.7455, step time: 1.0504
Batch 198/248, train_loss: 0.9993, step time: 1.0546
Batch 199/248, train_loss: 0.7234, step time: 1.0637
Batch 200/248, train_loss: 0.7102, step time: 1.0585
Batch 201/248, train_loss: 0.6967, step time: 1.0513
Batch 202/248, train_loss: 0.7889, step time: 1.0619
Batch 203/248, train_loss: 0.8045, step time: 1.0645
Batch 204/248, train_loss: 0.6677, step time: 1.0446
Batch 205/248, train_loss: 0.7603, step time: 1.0596
Batch 206/248, train_loss: 0.9064, step time: 1.0708
Batch 207/248, train_loss: 0.6751, step time: 1.0575
Batch 208/248, train_loss: 0.7158, step time: 1.0744
Batch 209/248, train_loss: 0.7050, step time: 1.0466
Batch 210/248, train_loss: 0.6706, step time: 1.0669
Batch 211/248, train_loss: 0.6710, step time: 1.0434
Batch 212/248, train_loss: 0.7320, step time: 1.0421
Batch 213/248, train_loss: 0.7097, step time: 1.0579
Batch 214/248, train_loss: 0.6817, step time: 1.0761
Batch 215/248, train_loss: 0.7915, step time: 1.0639
Batch 216/248, train_loss: 0.7245, step time: 1.0464
Batch 217/248, train_loss: 0.7956, step time: 1.0536
Batch 218/248, train_loss: 0.9314, step time: 1.0637
Batch 219/248, train_loss: 0.6851, step time: 1.0569
Batch 220/248, train_loss: 0.7575, step time: 1.0545
Batch 221/248, train_loss: 0.7386, step time: 1.0610
Batch 222/248, train_loss: 0.7358, step time: 1.0682
Batch 223/248, train_loss: 0.6497, step time: 1.0455
Batch 224/248, train_loss: 0.6776, step time: 1.0597
Batch 225/248, train_loss: 0.7373, step time: 1.0688
Batch 226/248, train_loss: 0.7171, step time: 1.0554
Batch 227/248, train_loss: 0.6851, step time: 1.0547
Batch 228/248, train_loss: 0.7224, step time: 1.0649
Batch 229/248, train_loss: 0.6644, step time: 1.0460
Batch 230/248, train_loss: 0.6777, step time: 1.0465
Batch 231/248, train_loss: 0.8071, step time: 1.0440
Batch 232/248, train_loss: 0.6798, step time: 1.0660
Batch 233/248, train_loss: 0.9860, step time: 1.0517
Batch 234/248, train_loss: 0.8354, step time: 1.0544
Batch 235/248, train_loss: 0.7399, step time: 1.0661
Batch 236/248, train_loss: 0.9063, step time: 1.0517
Batch 237/248, train_loss: 0.6855, step time: 1.0653
Batch 238/248, train_loss: 0.6880, step time: 1.0681
Batch 239/248, train_loss: 0.5871, step time: 1.0591
Batch 240/248, train_loss: 0.7858, step time: 1.0117

```
Batch 240/248, train_loss: 0.7050, step time: 1.0471  
Batch 241/248, train_loss: 0.9979, step time: 1.0423  
Batch 242/248, train_loss: 0.7101, step time: 1.0673  
Batch 243/248, train_loss: 0.8235, step time: 1.0463  
Batch 244/248, train_loss: 0.8233, step time: 1.0466  
Batch 245/248, train_loss: 0.6738, step time: 1.0410  
Batch 246/248, train_loss: 0.8578, step time: 1.0639  
Batch 247/248, train_loss: 0.6324, step time: 1.0434  
Batch 248/248, train_loss: 1.0000, step time: 1.0575
```

Labels



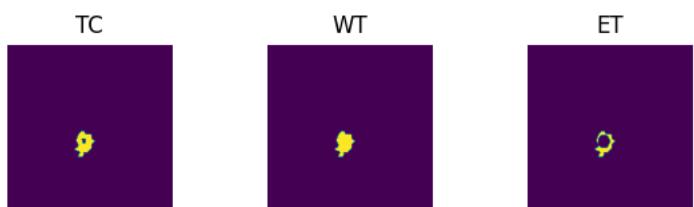
Predictions



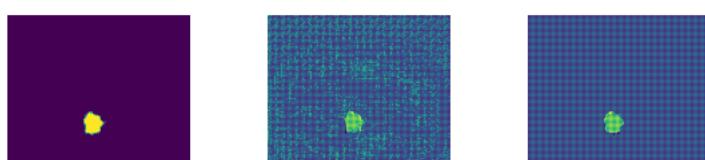
VAL

```
Batch 1/31, val_loss: 0.9144  
Batch 2/31, val_loss: 0.9191  
Batch 3/31, val_loss: 0.9847  
Batch 4/31, val_loss: 0.9742  
Batch 5/31, val_loss: 0.9932  
Batch 6/31, val_loss: 0.8050  
Batch 7/31, val_loss: 0.9020  
Batch 8/31, val_loss: 0.9804  
Batch 9/31, val_loss: 0.8097  
Batch 10/31, val_loss: 0.9780  
Batch 11/31, val_loss: 0.8794  
Batch 12/31, val_loss: 0.9841  
Batch 13/31, val_loss: 0.9690  
Batch 14/31, val_loss: 0.9710  
Batch 15/31, val_loss: 0.9927  
Batch 16/31, val_loss: 0.9696  
Batch 17/31, val_loss: 0.9796  
Batch 18/31, val_loss: 0.9667  
Batch 19/31, val_loss: 0.8603  
Batch 20/31, val_loss: 0.9393  
Batch 21/31, val_loss: 0.9520  
Batch 22/31, val_loss: 0.9889  
Batch 23/31, val_loss: 0.9804  
Batch 24/31, val_loss: 0.8185  
Batch 25/31, val_loss: 0.8661  
Batch 26/31, val_loss: 0.9428  
Batch 27/31, val_loss: 0.9936  
Batch 28/31, val_loss: 0.8633  
Batch 29/31, val_loss: 0.9888  
Batch 30/31, val_loss: 0.9865  
Batch 31/31, val_loss: 0.9835
```

Labels



Predictions





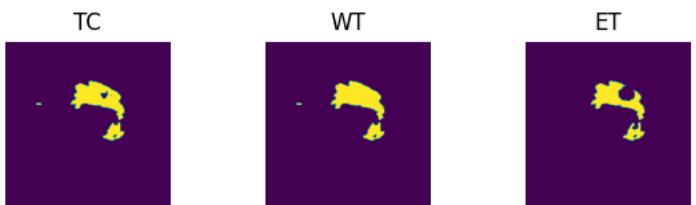
```
epoch 32
    average train loss: 0.7500
    average validation loss: 0.9399
    saved as best model: False
    current mean dice: 0.1815
    current TC dice: 0.5075
    current WT dice: 0.0171
    current ET dice: 0.0208
Best Mean Metric: 0.1884
time consuming of epoch 32 is: 1730.7494
-----
epoch 33/100
TRAIN
    Batch 1/248, train_loss: 0.6499, step time: 1.0345
    Batch 2/248, train_loss: 0.9301, step time: 1.0483
    Batch 3/248, train_loss: 0.7839, step time: 1.0410
    Batch 4/248, train_loss: 0.9991, step time: 1.0326
    Batch 5/248, train_loss: 0.7253, step time: 1.0246
    Batch 6/248, train_loss: 0.7290, step time: 1.0393
    Batch 7/248, train_loss: 0.6294, step time: 1.0237
    Batch 8/248, train_loss: 0.9061, step time: 1.0293
    Batch 9/248, train_loss: 0.6427, step time: 1.0260
    Batch 10/248, train_loss: 0.7614, step time: 1.0499
    Batch 11/248, train_loss: 0.6945, step time: 1.0372
    Batch 12/248, train_loss: 0.7554, step time: 1.0391
    Batch 13/248, train_loss: 0.7620, step time: 1.0557
    Batch 14/248, train_loss: 0.6096, step time: 1.0551
    Batch 15/248, train_loss: 0.7851, step time: 1.0502
    Batch 16/248, train_loss: 0.7114, step time: 1.0291
    Batch 17/248, train_loss: 0.8251, step time: 1.0498
    Batch 18/248, train_loss: 0.7624, step time: 1.0390
    Batch 19/248, train_loss: 0.6687, step time: 1.0328
    Batch 20/248, train_loss: 0.7575, step time: 1.0538
    Batch 21/248, train_loss: 0.6724, step time: 1.0466
    Batch 22/248, train_loss: 0.9951, step time: 1.0606
    Batch 23/248, train_loss: 0.9890, step time: 1.0574
    Batch 24/248, train_loss: 0.6862, step time: 1.0434
    Batch 25/248, train_loss: 0.6116, step time: 1.0382
    Batch 26/248, train_loss: 0.8192, step time: 1.0332
    Batch 27/248, train_loss: 0.6500, step time: 1.0340
    Batch 28/248, train_loss: 0.7236, step time: 1.0604
    Batch 29/248, train_loss: 0.7806, step time: 1.0526
    Batch 30/248, train_loss: 0.7381, step time: 1.0592
    Batch 31/248, train_loss: 0.7800, step time: 1.0412
    Batch 32/248, train_loss: 0.6814, step time: 1.0506
    Batch 33/248, train_loss: 0.6441, step time: 1.0628
    Batch 34/248, train_loss: 0.6531, step time: 1.0619
    Batch 35/248, train_loss: 0.6771, step time: 1.0464
    Batch 36/248, train_loss: 0.7737, step time: 1.0684
    Batch 37/248, train_loss: 0.7269, step time: 1.0705
    Batch 38/248, train_loss: 0.7500, step time: 1.0698
    Batch 39/248, train_loss: 0.7041, step time: 1.0611
    Batch 40/248, train_loss: 0.9978, step time: 1.0458
    Batch 41/248, train_loss: 0.7194, step time: 1.0656
    Batch 42/248, train_loss: 0.6792, step time: 1.0477
    Batch 43/248, train_loss: 0.6503, step time: 1.0561
    Batch 44/248, train_loss: 0.7201, step time: 1.0592
    Batch 45/248, train_loss: 0.8674, step time: 1.0613
    Batch 46/248, train_loss: 0.7094, step time: 1.0537
    Batch 47/248, train_loss: 0.6846, step time: 1.0702
    Batch 48/248, train_loss: 0.7495, step time: 1.0598
    Batch 49/248, train_loss: 0.7574, step time: 1.0703
    Batch 50/248, train_loss: 0.7047, step time: 1.0671
    Batch 51/248, train_loss: 0.7257, step time: 1.0679
    Batch 52/248, train_loss: 0.7034, step time: 1.0609
    Batch 53/248, train_loss: 0.7722, step time: 1.0617
    Batch 54/248, train_loss: 0.7461, step time: 1.0577
    Batch 55/248, train_loss: 0.7461, step time: 1.0732
    Batch 56/248, train_loss: 0.7375, step time: 1.0651
    Batch 57/248, train_loss: 0.7378, step time: 1.0545
    Batch 58/248, train_loss: 0.6772, step time: 1.0635
    Batch 59/248, train_loss: 0.6809, step time: 1.0523
    Batch 60/248, train_loss: 0.6683, step time: 1.0637
    Batch 61/248, train_loss: 0.6827, step time: 1.0519
    Batch 62/248, train_loss: 0.7633, step time: 1.0508
    Batch 63/248, train_loss: 0.8404, step time: 1.0691
    Batch 64/248, train_loss: 0.7872, step time: 1.0494
    Batch 65/248, train_loss: 0.7660, step time: 1.0407
    Batch 66/248, train_loss: 0.7044, step time: 1.0522
    Batch 67/248, train_loss: 0.6458, step time: 1.0440
    Batch 68/248, train_loss: 0.6794, step time: 1.0472
    Batch 69/248, train_loss: 0.7991, step time: 1.0608
    Batch 70/248, train_loss: 0.7001, step time: 1.0572
```

Batch 71/248, train_loss: 0.6808, step time: 1.0465
Batch 72/248, train_loss: 0.6640, step time: 1.0431
Batch 73/248, train_loss: 0.7186, step time: 1.0444
Batch 74/248, train_loss: 0.9976, step time: 1.0483
Batch 75/248, train_loss: 0.6859, step time: 1.0465
Batch 76/248, train_loss: 0.7896, step time: 1.0619
Batch 77/248, train_loss: 0.9015, step time: 1.0558
Batch 78/248, train_loss: 0.7013, step time: 1.0542
Batch 79/248, train_loss: 0.7029, step time: 1.0475
Batch 80/248, train_loss: 0.7263, step time: 1.0585
Batch 81/248, train_loss: 0.7249, step time: 1.0751
Batch 82/248, train_loss: 0.6758, step time: 1.0415
Batch 83/248, train_loss: 0.8621, step time: 1.0496
Batch 84/248, train_loss: 0.7356, step time: 1.0678
Batch 85/248, train_loss: 0.7812, step time: 1.0686
Batch 86/248, train_loss: 0.7320, step time: 1.0491
Batch 87/248, train_loss: 0.7765, step time: 1.0521
Batch 88/248, train_loss: 0.7717, step time: 1.0630
Batch 89/248, train_loss: 0.6360, step time: 1.0526
Batch 90/248, train_loss: 0.7417, step time: 1.0618
Batch 91/248, train_loss: 0.7728, step time: 1.0554
Batch 92/248, train_loss: 0.7660, step time: 1.0502
Batch 93/248, train_loss: 0.7023, step time: 1.0501
Batch 94/248, train_loss: 0.7195, step time: 1.0562
Batch 95/248, train_loss: 0.7112, step time: 1.0570
Batch 96/248, train_loss: 0.7077, step time: 1.0610
Batch 97/248, train_loss: 0.7564, step time: 1.0577
Batch 98/248, train_loss: 0.6725, step time: 1.0645
Batch 99/248, train_loss: 0.7690, step time: 1.0522
Batch 100/248, train_loss: 0.7766, step time: 1.0586
Batch 101/248, train_loss: 0.6206, step time: 1.0660
Batch 102/248, train_loss: 0.6942, step time: 1.0567
Batch 103/248, train_loss: 0.7936, step time: 1.0680
Batch 104/248, train_loss: 0.7289, step time: 1.0510
Batch 105/248, train_loss: 0.6642, step time: 1.0426
Batch 106/248, train_loss: 0.7056, step time: 1.0482
Batch 107/248, train_loss: 0.7439, step time: 1.0546
Batch 108/248, train_loss: 0.8187, step time: 1.0493
Batch 109/248, train_loss: 0.9601, step time: 1.0462
Batch 110/248, train_loss: 0.8167, step time: 1.0585
Batch 111/248, train_loss: 0.6651, step time: 1.0413
Batch 112/248, train_loss: 0.6710, step time: 1.0562
Batch 113/248, train_loss: 0.9979, step time: 1.0444
Batch 114/248, train_loss: 0.6542, step time: 1.0493
Batch 115/248, train_loss: 0.7101, step time: 1.0748
Batch 116/248, train_loss: 0.6645, step time: 1.0485
Batch 117/248, train_loss: 0.9310, step time: 1.0459
Batch 118/248, train_loss: 0.8993, step time: 1.0509
Batch 119/248, train_loss: 0.7339, step time: 1.0388
Batch 120/248, train_loss: 0.7418, step time: 1.0590
Batch 121/248, train_loss: 0.7573, step time: 1.0462
Batch 122/248, train_loss: 0.8447, step time: 1.0413
Batch 123/248, train_loss: 0.6721, step time: 1.0502
Batch 124/248, train_loss: 0.8492, step time: 1.0462
Batch 125/248, train_loss: 0.8139, step time: 1.0420
Batch 126/248, train_loss: 0.7211, step time: 1.0715
Batch 127/248, train_loss: 0.6901, step time: 1.0454
Batch 128/248, train_loss: 0.7369, step time: 1.0499
Batch 129/248, train_loss: 0.6539, step time: 1.0459
Batch 130/248, train_loss: 0.6573, step time: 1.0500
Batch 131/248, train_loss: 0.7935, step time: 1.0400
Batch 132/248, train_loss: 0.7424, step time: 1.0432
Batch 133/248, train_loss: 0.6568, step time: 1.0491
Batch 134/248, train_loss: 0.9151, step time: 1.0494
Batch 135/248, train_loss: 0.7139, step time: 1.0457
Batch 136/248, train_loss: 0.7007, step time: 1.0515
Batch 137/248, train_loss: 0.6864, step time: 1.0658
Batch 138/248, train_loss: 0.6592, step time: 1.0630
Batch 139/248, train_loss: 0.7143, step time: 1.0499
Batch 140/248, train_loss: 0.7404, step time: 1.0601
Batch 141/248, train_loss: 0.7102, step time: 1.0465
Batch 142/248, train_loss: 0.9099, step time: 1.0507
Batch 143/248, train_loss: 0.7334, step time: 1.0582
Batch 144/248, train_loss: 0.6898, step time: 1.0586
Batch 145/248, train_loss: 0.6229, step time: 1.0462
Batch 146/248, train_loss: 0.7857, step time: 1.0627
Batch 147/248, train_loss: 0.6062, step time: 1.0379
Batch 148/248, train_loss: 0.8586, step time: 1.0516
Batch 149/248, train_loss: 0.7074, step time: 1.0613
Batch 150/248, train_loss: 0.8524, step time: 1.0760
Batch 151/248, train_loss: 0.7451, step time: 1.0492
Batch 152/248, train_loss: 0.6107, step time: 1.0415
Batch 153/248, train_loss: 0.7971, step time: 1.0546
Batch 154/248, train_loss: 0.7978, step time: 1.0536
Batch 155/248, train_loss: 0.7112, step time: 1.0482

Batch 1/248, train_loss: 0.7110, step time: 1.0402
Batch 156/248, train_loss: 0.7106, step time: 1.0487
Batch 157/248, train_loss: 0.7330, step time: 1.0309
Batch 158/248, train_loss: 0.9981, step time: 1.0581
Batch 159/248, train_loss: 0.8033, step time: 1.0360
Batch 160/248, train_loss: 0.6869, step time: 1.0567
Batch 161/248, train_loss: 0.6914, step time: 1.0573
Batch 162/248, train_loss: 0.6077, step time: 1.0358
Batch 163/248, train_loss: 0.7187, step time: 1.0541
Batch 164/248, train_loss: 0.7146, step time: 1.0378
Batch 165/248, train_loss: 0.8900, step time: 1.0646
Batch 166/248, train_loss: 0.6996, step time: 1.0569
Batch 167/248, train_loss: 0.7112, step time: 1.0445
Batch 168/248, train_loss: 0.7148, step time: 1.0673
Batch 169/248, train_loss: 0.6800, step time: 1.0614
Batch 170/248, train_loss: 0.9111, step time: 1.0691
Batch 171/248, train_loss: 0.6470, step time: 1.0450
Batch 172/248, train_loss: 0.8776, step time: 1.0425
Batch 173/248, train_loss: 0.6617, step time: 1.0650
Batch 174/248, train_loss: 0.9320, step time: 1.0629
Batch 175/248, train_loss: 0.6747, step time: 1.0494
Batch 176/248, train_loss: 0.7832, step time: 1.0540
Batch 177/248, train_loss: 0.7722, step time: 1.0457
Batch 178/248, train_loss: 0.7168, step time: 1.0424
Batch 179/248, train_loss: 0.6018, step time: 1.0459
Batch 180/248, train_loss: 0.7898, step time: 1.0497
Batch 181/248, train_loss: 0.6625, step time: 1.0587
Batch 182/248, train_loss: 0.9590, step time: 1.0479
Batch 183/248, train_loss: 0.6827, step time: 1.0623
Batch 184/248, train_loss: 0.7945, step time: 1.0681
Batch 185/248, train_loss: 0.6967, step time: 1.0428
Batch 186/248, train_loss: 0.6901, step time: 1.0480
Batch 187/248, train_loss: 0.6917, step time: 1.0527
Batch 188/248, train_loss: 0.7359, step time: 1.0441
Batch 189/248, train_loss: 0.8417, step time: 1.0437
Batch 190/248, train_loss: 0.7000, step time: 1.0425
Batch 191/248, train_loss: 0.8422, step time: 1.0666
Batch 192/248, train_loss: 0.7207, step time: 1.0503
Batch 193/248, train_loss: 0.7388, step time: 1.0592
Batch 194/248, train_loss: 0.6961, step time: 1.0403
Batch 195/248, train_loss: 0.8046, step time: 1.0608
Batch 196/248, train_loss: 0.9999, step time: 1.0536
Batch 197/248, train_loss: 0.7513, step time: 1.0726
Batch 198/248, train_loss: 0.9943, step time: 1.0485
Batch 199/248, train_loss: 0.7155, step time: 1.0698
Batch 200/248, train_loss: 0.6980, step time: 1.0565
Batch 201/248, train_loss: 0.6944, step time: 1.0579
Batch 202/248, train_loss: 0.7878, step time: 1.0593
Batch 203/248, train_loss: 0.8400, step time: 1.0466
Batch 204/248, train_loss: 0.6652, step time: 1.0490
Batch 205/248, train_loss: 0.7591, step time: 1.0663
Batch 206/248, train_loss: 0.7515, step time: 1.0493
Batch 207/248, train_loss: 0.6703, step time: 1.0528
Batch 208/248, train_loss: 0.7254, step time: 1.0436
Batch 209/248, train_loss: 0.7013, step time: 1.0663
Batch 210/248, train_loss: 0.6664, step time: 1.0605
Batch 211/248, train_loss: 0.6680, step time: 1.0496
Batch 212/248, train_loss: 0.7286, step time: 1.0573
Batch 213/248, train_loss: 0.7014, step time: 1.0550
Batch 214/248, train_loss: 0.6792, step time: 1.0619
Batch 215/248, train_loss: 0.7523, step time: 1.0597
Batch 216/248, train_loss: 0.7260, step time: 1.0599
Batch 217/248, train_loss: 0.7727, step time: 1.0675
Batch 218/248, train_loss: 0.9757, step time: 1.0717
Batch 219/248, train_loss: 0.6828, step time: 1.0614
Batch 220/248, train_loss: 0.7592, step time: 1.0471
Batch 221/248, train_loss: 0.7433, step time: 1.0685
Batch 222/248, train_loss: 0.7266, step time: 1.0550
Batch 223/248, train_loss: 0.6446, step time: 1.0662
Batch 224/248, train_loss: 0.6737, step time: 1.0712
Batch 225/248, train_loss: 0.7323, step time: 1.0466
Batch 226/248, train_loss: 0.7084, step time: 1.0661
Batch 227/248, train_loss: 0.6807, step time: 1.0528
Batch 228/248, train_loss: 0.7153, step time: 1.0536
Batch 229/248, train_loss: 0.6576, step time: 1.0410
Batch 230/248, train_loss: 0.6755, step time: 1.0616
Batch 231/248, train_loss: 0.7386, step time: 1.0679
Batch 232/248, train_loss: 0.6763, step time: 1.0613
Batch 233/248, train_loss: 0.9767, step time: 1.0473
Batch 234/248, train_loss: 0.8257, step time: 1.0750
Batch 235/248, train_loss: 0.7357, step time: 1.0449
Batch 236/248, train_loss: 0.9068, step time: 1.0652
Batch 237/248, train_loss: 0.6802, step time: 1.0694
Batch 238/248, train_loss: 0.6885, step time: 1.0631
Batch 239/248, train_loss: 0.5773, step time: 1.0509

```
Batch 240/248, train_loss: 0.7737, step time: 1.0520  
Batch 241/248, train_loss: 0.9971, step time: 1.0639  
Batch 242/248, train_loss: 0.7147, step time: 1.0457  
Batch 243/248, train_loss: 0.8533, step time: 1.0414  
Batch 244/248, train_loss: 0.8167, step time: 1.0590  
Batch 245/248, train_loss: 0.6713, step time: 1.0509  
Batch 246/248, train_loss: 0.9083, step time: 1.0703  
Batch 247/248, train_loss: 0.6248, step time: 1.0536  
Batch 248/248, train_loss: 0.9998, step time: 1.0456
```

Labels



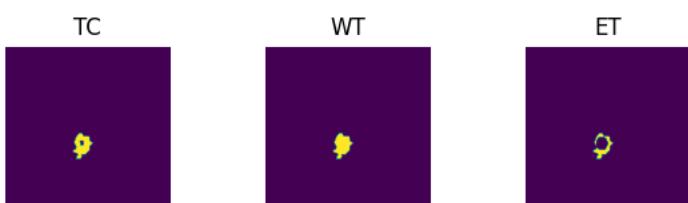
Predictions



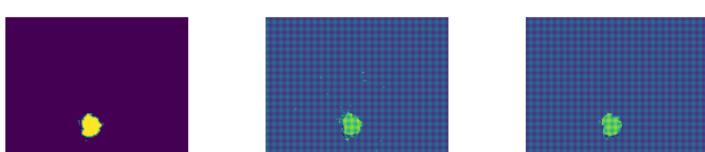
VAL

```
Batch 1/31, val_loss: 0.8820  
Batch 2/31, val_loss: 0.8864  
Batch 3/31, val_loss: 0.9690  
Batch 4/31, val_loss: 0.9552  
Batch 5/31, val_loss: 0.9747  
Batch 6/31, val_loss: 0.7735  
Batch 7/31, val_loss: 0.8772  
Batch 8/31, val_loss: 0.9676  
Batch 9/31, val_loss: 0.7748  
Batch 10/31, val_loss: 0.9711  
Batch 11/31, val_loss: 0.8258  
Batch 12/31, val_loss: 0.9666  
Batch 13/31, val_loss: 0.9315  
Batch 14/31, val_loss: 0.9525  
Batch 15/31, val_loss: 0.9815  
Batch 16/31, val_loss: 0.9245  
Batch 17/31, val_loss: 0.9653  
Batch 18/31, val_loss: 0.9491  
Batch 19/31, val_loss: 0.8295  
Batch 20/31, val_loss: 0.9104  
Batch 21/31, val_loss: 0.9572  
Batch 22/31, val_loss: 0.9731  
Batch 23/31, val_loss: 0.9618  
Batch 24/31, val_loss: 0.7918  
Batch 25/31, val_loss: 0.8187  
Batch 26/31, val_loss: 0.8921  
Batch 27/31, val_loss: 0.9784  
Batch 28/31, val_loss: 0.8299  
Batch 29/31, val_loss: 0.9769  
Batch 30/31, val_loss: 0.9754  
Batch 31/31, val_loss: 0.9667
```

Labels



Predictions



epoch 33
average train loss: 0.7474
average validation loss: 0.9158
saved as best model: False
current mean dice: 0.1793
current TC dice: 0.4952
current WT dice: 0.0189
current ET dice: 0.0217
Best Mean Metric: 0.1884
time consuming of epoch 33 is: 1719.8827

epoch 34/100
TRAIN

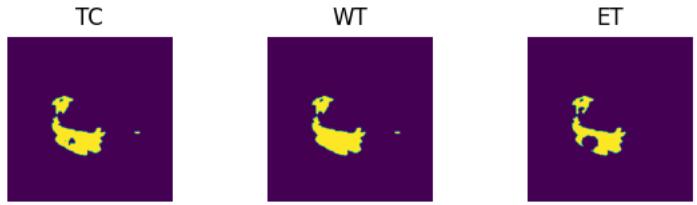
Batch 1/248, train_loss: 0.6496, step time: 1.0767
Batch 2/248, train_loss: 0.9262, step time: 1.0599
Batch 3/248, train_loss: 0.7777, step time: 1.0595
Batch 4/248, train_loss: 0.9984, step time: 1.0729
Batch 5/248, train_loss: 0.7390, step time: 1.0526
Batch 6/248, train_loss: 0.7127, step time: 1.0451
Batch 7/248, train_loss: 0.6222, step time: 1.0455
Batch 8/248, train_loss: 0.9111, step time: 1.0622
Batch 9/248, train_loss: 0.6419, step time: 1.0697
Batch 10/248, train_loss: 0.7554, step time: 1.0507
Batch 11/248, train_loss: 0.6929, step time: 1.0425
Batch 12/248, train_loss: 0.7621, step time: 1.0579
Batch 13/248, train_loss: 0.7618, step time: 1.0716
Batch 14/248, train_loss: 0.6060, step time: 1.0554
Batch 15/248, train_loss: 0.7859, step time: 1.0523
Batch 16/248, train_loss: 0.7056, step time: 1.0358
Batch 17/248, train_loss: 0.7335, step time: 1.0408
Batch 18/248, train_loss: 0.7679, step time: 1.0610
Batch 19/248, train_loss: 0.6618, step time: 1.0410
Batch 20/248, train_loss: 0.7568, step time: 1.0524
Batch 21/248, train_loss: 0.6740, step time: 1.0665
Batch 22/248, train_loss: 0.9626, step time: 1.0616
Batch 23/248, train_loss: 0.9853, step time: 1.0496
Batch 24/248, train_loss: 0.6868, step time: 1.0525
Batch 25/248, train_loss: 0.6071, step time: 1.0723
Batch 26/248, train_loss: 0.8140, step time: 1.0564
Batch 27/248, train_loss: 0.6493, step time: 1.0601
Batch 28/248, train_loss: 0.7231, step time: 1.0579
Batch 29/248, train_loss: 0.8252, step time: 1.0668
Batch 30/248, train_loss: 0.7439, step time: 1.0709
Batch 31/248, train_loss: 0.7761, step time: 1.0648
Batch 32/248, train_loss: 0.6791, step time: 1.0528
Batch 33/248, train_loss: 0.6430, step time: 1.0644
Batch 34/248, train_loss: 0.6514, step time: 1.0587
Batch 35/248, train_loss: 0.6749, step time: 1.0671
Batch 36/248, train_loss: 0.7658, step time: 1.0472
Batch 37/248, train_loss: 0.7316, step time: 1.0382
Batch 38/248, train_loss: 0.7513, step time: 1.0607
Batch 39/248, train_loss: 0.7165, step time: 1.0646
Batch 40/248, train_loss: 0.9972, step time: 1.0556
Batch 41/248, train_loss: 0.7284, step time: 1.0598
Batch 42/248, train_loss: 0.6779, step time: 1.0463
Batch 43/248, train_loss: 0.6505, step time: 1.0402
Batch 44/248, train_loss: 0.7654, step time: 1.0685
Batch 45/248, train_loss: 0.8582, step time: 1.0494
Batch 46/248, train_loss: 0.7216, step time: 1.0550
Batch 47/248, train_loss: 0.6846, step time: 1.0447
Batch 48/248, train_loss: 0.7848, step time: 1.0531
Batch 49/248, train_loss: 0.7504, step time: 1.0395
Batch 50/248, train_loss: 0.7054, step time: 1.0675
Batch 51/248, train_loss: 0.7230, step time: 1.0486
Batch 52/248, train_loss: 0.6965, step time: 1.0575
Batch 53/248, train_loss: 0.7714, step time: 1.0670
Batch 54/248, train_loss: 0.7427, step time: 1.0678
Batch 55/248, train_loss: 0.7649, step time: 1.0625
Batch 56/248, train_loss: 0.7207, step time: 1.0426
Batch 57/248, train_loss: 0.7501, step time: 1.0619
Batch 58/248, train_loss: 0.6781, step time: 1.0590
Batch 59/248, train_loss: 0.6788, step time: 1.0543
Batch 60/248, train_loss: 0.6659, step time: 1.0418
Batch 61/248, train_loss: 0.6838, step time: 1.0565
Batch 62/248, train_loss: 0.7616, step time: 1.0503
Batch 63/248, train_loss: 0.8206, step time: 1.0468
Batch 64/248, train_loss: 0.7802, step time: 1.0672
Batch 65/248, train_loss: 0.7416, step time: 1.0710
Batch 66/248, train_loss: 0.7074, step time: 1.0669
Batch 67/248, train_loss: 0.6442, step time: 1.0708
Batch 68/248, train_loss: 0.6829, step time: 1.0775
Batch 69/248, train_loss: 0.8282, step time: 1.0479

```
Batch 0/248, train_loss: 0.6993, step time: 1.0584
Batch 1/248, train_loss: 0.6787, step time: 1.0663
Batch 2/248, train_loss: 0.6655, step time: 1.0607
Batch 3/248, train_loss: 0.7144, step time: 1.0680
Batch 4/248, train_loss: 0.9979, step time: 1.0628
Batch 5/248, train_loss: 0.6828, step time: 1.0592
Batch 6/248, train_loss: 0.7765, step time: 1.0666
Batch 7/248, train_loss: 0.9008, step time: 1.0602
Batch 8/248, train_loss: 0.7002, step time: 1.0520
Batch 9/248, train_loss: 0.7084, step time: 1.0663
Batch 10/248, train_loss: 0.7311, step time: 1.0738
Batch 11/248, train_loss: 0.7180, step time: 1.0479
Batch 12/248, train_loss: 0.6745, step time: 1.0418
Batch 13/248, train_loss: 0.8670, step time: 1.0520
Batch 14/248, train_loss: 0.7248, step time: 1.0607
Batch 15/248, train_loss: 0.7664, step time: 1.0407
Batch 16/248, train_loss: 0.7465, step time: 1.0703
Batch 17/248, train_loss: 0.7560, step time: 1.0404
Batch 18/248, train_loss: 0.7692, step time: 1.0500
Batch 19/248, train_loss: 0.6379, step time: 1.0560
Batch 20/248, train_loss: 0.7246, step time: 1.0653
Batch 21/248, train_loss: 0.8221, step time: 1.0446
Batch 22/248, train_loss: 0.7561, step time: 1.0560
Batch 23/248, train_loss: 0.6975, step time: 1.0610
Batch 24/248, train_loss: 0.7427, step time: 1.0513
Batch 25/248, train_loss: 0.7121, step time: 1.0606
Batch 26/248, train_loss: 0.7048, step time: 1.0556
Batch 27/248, train_loss: 0.7488, step time: 1.0609
Batch 28/248, train_loss: 0.6692, step time: 1.0419
Batch 29/248, train_loss: 0.7812, step time: 1.0584
Batch 30/248, train_loss: 0.7633, step time: 1.0702
Batch 31/248, train_loss: 0.6180, step time: 1.0581
Batch 32/248, train_loss: 0.6937, step time: 1.0493
Batch 33/248, train_loss: 0.7699, step time: 1.0415
Batch 34/248, train_loss: 0.7269, step time: 1.0704
Batch 35/248, train_loss: 0.6638, step time: 1.0617
Batch 36/248, train_loss: 0.7054, step time: 1.0394
Batch 37/248, train_loss: 0.7463, step time: 1.0694
Batch 38/248, train_loss: 0.8582, step time: 1.0524
Batch 39/248, train_loss: 0.8598, step time: 1.0676
Batch 40/248, train_loss: 0.7042, step time: 1.0526
Batch 41/248, train_loss: 0.6646, step time: 1.0455
Batch 42/248, train_loss: 0.6742, step time: 1.0656
Batch 43/248, train_loss: 0.9988, step time: 1.0544
Batch 44/248, train_loss: 0.6546, step time: 1.0447
Batch 45/248, train_loss: 0.7251, step time: 1.0487
Batch 46/248, train_loss: 0.6638, step time: 1.0432
Batch 47/248, train_loss: 0.8720, step time: 1.0493
Batch 48/248, train_loss: 0.8209, step time: 1.0595
Batch 49/248, train_loss: 0.7351, step time: 1.0531
Batch 50/248, train_loss: 0.7262, step time: 1.0594
Batch 51/248, train_loss: 0.7553, step time: 1.0465
Batch 52/248, train_loss: 0.8124, step time: 1.0593
Batch 53/248, train_loss: 0.6722, step time: 1.0625
Batch 54/248, train_loss: 0.7452, step time: 1.0519
Batch 55/248, train_loss: 0.8172, step time: 1.0636
Batch 56/248, train_loss: 0.7570, step time: 1.0474
Batch 57/248, train_loss: 0.6912, step time: 1.0488
Batch 58/248, train_loss: 0.8374, step time: 1.0447
Batch 59/248, train_loss: 0.6513, step time: 1.0660
Batch 60/248, train_loss: 0.6574, step time: 1.0758
Batch 61/248, train_loss: 0.7725, step time: 1.0600
Batch 62/248, train_loss: 0.7288, step time: 1.0653
Batch 63/248, train_loss: 0.6407, step time: 1.0596
Batch 64/248, train_loss: 0.8576, step time: 1.0659
Batch 65/248, train_loss: 0.7348, step time: 1.0503
Batch 66/248, train_loss: 0.7011, step time: 1.0494
Batch 67/248, train_loss: 0.6762, step time: 1.0446
Batch 68/248, train_loss: 0.6569, step time: 1.0622
Batch 69/248, train_loss: 0.7172, step time: 1.0700
Batch 70/248, train_loss: 0.7372, step time: 1.0705
Batch 71/248, train_loss: 0.7051, step time: 1.0533
Batch 72/248, train_loss: 0.8944, step time: 1.0657
Batch 73/248, train_loss: 0.7392, step time: 1.0609
Batch 74/248, train_loss: 0.6892, step time: 1.0419
Batch 75/248, train_loss: 0.6147, step time: 1.0472
Batch 76/248, train_loss: 0.7876, step time: 1.0475
Batch 77/248, train_loss: 0.6171, step time: 1.0697
Batch 78/248, train_loss: 0.8300, step time: 1.0709
Batch 79/248, train_loss: 0.7077, step time: 1.0496
Batch 80/248, train_loss: 0.8624, step time: 1.0700
Batch 81/248, train_loss: 0.7520, step time: 1.0501
Batch 82/248, train_loss: 0.6084, step time: 1.0587
Batch 83/248, train_loss: 0.7411, step time: 1.0724
Batch 84/248, train_loss: 0.7666, step time: 1.0456
```

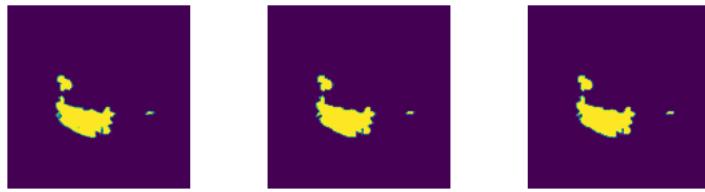
Batch 155/248, train_loss: 0.6987, step time: 1.0598
Batch 156/248, train_loss: 0.7232, step time: 1.0592
Batch 157/248, train_loss: 0.7356, step time: 1.0485
Batch 158/248, train_loss: 0.9990, step time: 1.0686
Batch 159/248, train_loss: 0.7604, step time: 1.0591
Batch 160/248, train_loss: 0.6829, step time: 1.0656
Batch 161/248, train_loss: 0.6891, step time: 1.0465
Batch 162/248, train_loss: 0.6034, step time: 1.0470
Batch 163/248, train_loss: 0.7063, step time: 1.0576
Batch 164/248, train_loss: 0.7104, step time: 1.0678
Batch 165/248, train_loss: 0.8694, step time: 1.0423
Batch 166/248, train_loss: 0.6980, step time: 1.0685
Batch 167/248, train_loss: 0.7129, step time: 1.0623
Batch 168/248, train_loss: 0.7140, step time: 1.0525
Batch 169/248, train_loss: 0.6869, step time: 1.0619
Batch 170/248, train_loss: 0.8319, step time: 1.0626
Batch 171/248, train_loss: 0.6396, step time: 1.0584
Batch 172/248, train_loss: 0.8209, step time: 1.0521
Batch 173/248, train_loss: 0.6586, step time: 1.0388
Batch 174/248, train_loss: 0.8963, step time: 1.0577
Batch 175/248, train_loss: 0.6571, step time: 1.0505
Batch 176/248, train_loss: 0.7812, step time: 1.0550
Batch 177/248, train_loss: 0.8319, step time: 1.0722
Batch 178/248, train_loss: 0.7134, step time: 1.0490
Batch 179/248, train_loss: 0.5963, step time: 1.0581
Batch 180/248, train_loss: 0.7747, step time: 1.0569
Batch 181/248, train_loss: 0.6597, step time: 1.0490
Batch 182/248, train_loss: 0.9581, step time: 1.0514
Batch 183/248, train_loss: 0.6877, step time: 1.0531
Batch 184/248, train_loss: 0.7412, step time: 1.0547
Batch 185/248, train_loss: 0.6980, step time: 1.0690
Batch 186/248, train_loss: 0.6887, step time: 1.0667
Batch 187/248, train_loss: 0.6944, step time: 1.0459
Batch 188/248, train_loss: 0.7338, step time: 1.0499
Batch 189/248, train_loss: 0.8388, step time: 1.0481
Batch 190/248, train_loss: 0.7016, step time: 1.0628
Batch 191/248, train_loss: 0.8884, step time: 1.0632
Batch 192/248, train_loss: 0.7253, step time: 1.0513
Batch 193/248, train_loss: 0.7740, step time: 1.0666
Batch 194/248, train_loss: 0.7031, step time: 1.0497
Batch 195/248, train_loss: 0.8612, step time: 1.0722
Batch 196/248, train_loss: 0.9999, step time: 1.0504
Batch 197/248, train_loss: 0.7455, step time: 1.0617
Batch 198/248, train_loss: 0.9990, step time: 1.0402
Batch 199/248, train_loss: 0.7168, step time: 1.0655
Batch 200/248, train_loss: 0.6999, step time: 1.0539
Batch 201/248, train_loss: 0.6906, step time: 1.0672
Batch 202/248, train_loss: 0.7851, step time: 1.0499
Batch 203/248, train_loss: 0.8334, step time: 1.0433
Batch 204/248, train_loss: 0.6615, step time: 1.0665
Batch 205/248, train_loss: 0.7611, step time: 1.0516
Batch 206/248, train_loss: 0.7404, step time: 1.0457
Batch 207/248, train_loss: 0.6706, step time: 1.0654
Batch 208/248, train_loss: 0.7216, step time: 1.0617
Batch 209/248, train_loss: 0.7032, step time: 1.0498
Batch 210/248, train_loss: 0.6659, step time: 1.0472
Batch 211/248, train_loss: 0.6665, step time: 1.0682
Batch 212/248, train_loss: 0.7805, step time: 1.0606
Batch 213/248, train_loss: 0.7083, step time: 1.0578
Batch 214/248, train_loss: 0.6792, step time: 1.0587
Batch 215/248, train_loss: 0.7717, step time: 1.0666
Batch 216/248, train_loss: 0.7235, step time: 1.0609
Batch 217/248, train_loss: 0.7716, step time: 1.0673
Batch 218/248, train_loss: 0.9236, step time: 1.0560
Batch 219/248, train_loss: 0.6816, step time: 1.0676
Batch 220/248, train_loss: 0.7524, step time: 1.0651
Batch 221/248, train_loss: 0.7401, step time: 1.0676
Batch 222/248, train_loss: 0.7385, step time: 1.0487
Batch 223/248, train_loss: 0.6443, step time: 1.0643
Batch 224/248, train_loss: 0.6739, step time: 1.0444
Batch 225/248, train_loss: 0.7544, step time: 1.0502
Batch 226/248, train_loss: 0.7461, step time: 1.0460
Batch 227/248, train_loss: 0.6795, step time: 1.0719
Batch 228/248, train_loss: 0.7235, step time: 1.0463
Batch 229/248, train_loss: 0.6572, step time: 1.0471
Batch 230/248, train_loss: 0.6803, step time: 1.0671
Batch 231/248, train_loss: 0.7386, step time: 1.0453
Batch 232/248, train_loss: 0.6762, step time: 1.0704
Batch 233/248, train_loss: 0.9898, step time: 1.0498
Batch 234/248, train_loss: 0.8326, step time: 1.0599
Batch 235/248, train_loss: 0.7354, step time: 1.0542
Batch 236/248, train_loss: 0.9075, step time: 1.0612
Batch 237/248, train_loss: 0.6801, step time: 1.0599
Batch 238/248, train_loss: 0.6861, step time: 1.0636
Batch 239/248, train_loss: 0.5775, step time: 1.0611

```
Batch 240/248, train_loss: 0.7957, step time: 1.0554
Batch 241/248, train_loss: 0.9959, step time: 1.0603
Batch 242/248, train_loss: 0.7209, step time: 1.0732
Batch 243/248, train_loss: 0.8490, step time: 1.0496
Batch 244/248, train_loss: 0.8057, step time: 1.0460
Batch 245/248, train_loss: 0.6694, step time: 1.0501
Batch 246/248, train_loss: 0.8328, step time: 1.0520
Batch 247/248, train_loss: 0.6204, step time: 1.0611
Batch 248/248, train_loss: 0.9999, step time: 1.0588
```

Labels



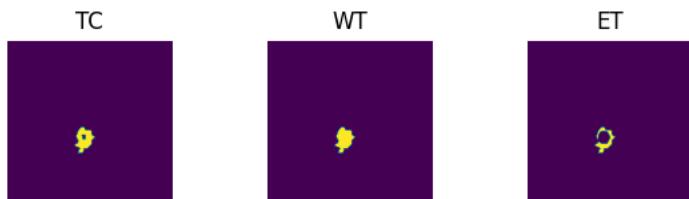
Predictions



VAL

```
Batch 1/31, val_loss: 0.8798
Batch 2/31, val_loss: 0.8792
Batch 3/31, val_loss: 0.9593
Batch 4/31, val_loss: 0.9438
Batch 5/31, val_loss: 0.9625
Batch 6/31, val_loss: 0.7546
Batch 7/31, val_loss: 0.8599
Batch 8/31, val_loss: 0.9498
Batch 9/31, val_loss: 0.7599
Batch 10/31, val_loss: 0.9386
Batch 11/31, val_loss: 0.8030
Batch 12/31, val_loss: 0.9541
Batch 13/31, val_loss: 0.9114
Batch 14/31, val_loss: 0.9410
Batch 15/31, val_loss: 0.9708
Batch 16/31, val_loss: 0.9061
Batch 17/31, val_loss: 0.9492
Batch 18/31, val_loss: 0.9330
Batch 19/31, val_loss: 0.8121
Batch 20/31, val_loss: 0.9101
Batch 21/31, val_loss: 0.9465
Batch 22/31, val_loss: 0.9571
Batch 23/31, val_loss: 0.9501
Batch 24/31, val_loss: 0.7772
Batch 25/31, val_loss: 0.8004
Batch 26/31, val_loss: 0.8742
Batch 27/31, val_loss: 0.9672
Batch 28/31, val_loss: 0.8260
Batch 29/31, val_loss: 0.9667
Batch 30/31, val_loss: 0.9594
Batch 31/31, val_loss: 0.9534
```

Labels



Predictions





```
epoch 34
  average train loss: 0.7444
  average validation loss: 0.9018
  saved as best model: False
  current mean dice: 0.1822
  current TC dice: 0.5051
  current WT dice: 0.0188
  current ET dice: 0.0219
Best Mean Metric: 0.1884
time consuming of epoch 34 is: 1737.4867
-----
```

```
epoch 35/100
```

```
TRAIN
```

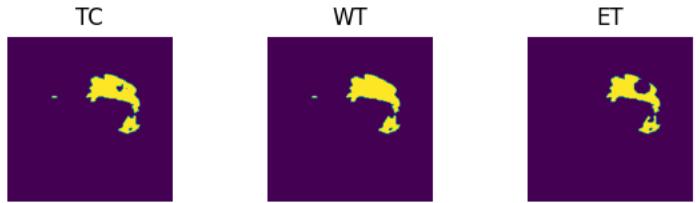
```
Batch 1/248, train_loss: 0.6466, step time: 1.0814
Batch 2/248, train_loss: 0.8952, step time: 1.0684
Batch 3/248, train_loss: 0.7721, step time: 1.0498
Batch 4/248, train_loss: 0.9988, step time: 1.0610
Batch 5/248, train_loss: 0.7223, step time: 1.0445
Batch 6/248, train_loss: 0.7540, step time: 1.0663
Batch 7/248, train_loss: 0.6207, step time: 1.0632
Batch 8/248, train_loss: 0.9076, step time: 1.0537
Batch 9/248, train_loss: 0.6412, step time: 1.0505
Batch 10/248, train_loss: 0.7615, step time: 1.0554
Batch 11/248, train_loss: 0.6946, step time: 1.0713
Batch 12/248, train_loss: 0.7449, step time: 1.0452
Batch 13/248, train_loss: 0.7537, step time: 1.0605
Batch 14/248, train_loss: 0.6055, step time: 1.0678
Batch 15/248, train_loss: 0.7912, step time: 1.0682
Batch 16/248, train_loss: 0.7067, step time: 1.0508
Batch 17/248, train_loss: 0.7263, step time: 1.0471
Batch 18/248, train_loss: 0.7483, step time: 1.0538
Batch 19/248, train_loss: 0.6669, step time: 1.0683
Batch 20/248, train_loss: 0.7511, step time: 1.0567
Batch 21/248, train_loss: 0.6780, step time: 1.0600
Batch 22/248, train_loss: 0.9784, step time: 1.0558
Batch 23/248, train_loss: 0.8965, step time: 1.0647
Batch 24/248, train_loss: 0.6856, step time: 1.0543
Batch 25/248, train_loss: 0.6048, step time: 1.0422
Batch 26/248, train_loss: 0.8096, step time: 1.0565
Batch 27/248, train_loss: 0.6480, step time: 1.0616
Batch 28/248, train_loss: 0.7281, step time: 1.0657
Batch 29/248, train_loss: 0.7958, step time: 1.0800
Batch 30/248, train_loss: 0.7342, step time: 1.0688
Batch 31/248, train_loss: 0.7634, step time: 1.0636
Batch 32/248, train_loss: 0.6819, step time: 1.0468
Batch 33/248, train_loss: 0.6420, step time: 1.0506
Batch 34/248, train_loss: 0.6525, step time: 1.0607
Batch 35/248, train_loss: 0.6739, step time: 1.0572
Batch 36/248, train_loss: 0.7594, step time: 1.0459
Batch 37/248, train_loss: 0.7282, step time: 1.0504
Batch 38/248, train_loss: 0.7512, step time: 1.0541
Batch 39/248, train_loss: 0.7130, step time: 1.0497
Batch 40/248, train_loss: 0.9989, step time: 1.0491
Batch 41/248, train_loss: 0.7312, step time: 1.0519
Batch 42/248, train_loss: 0.6759, step time: 1.0695
Batch 43/248, train_loss: 0.6486, step time: 1.0636
Batch 44/248, train_loss: 0.7131, step time: 1.0583
Batch 45/248, train_loss: 0.8703, step time: 1.0629
Batch 46/248, train_loss: 0.7054, step time: 1.0507
Batch 47/248, train_loss: 0.6826, step time: 1.0528
Batch 48/248, train_loss: 0.7545, step time: 1.0493
Batch 49/248, train_loss: 0.7805, step time: 1.0414
Batch 50/248, train_loss: 0.7065, step time: 1.0421
Batch 51/248, train_loss: 0.7195, step time: 1.0686
Batch 52/248, train_loss: 0.6964, step time: 1.0395
Batch 53/248, train_loss: 0.7827, step time: 1.0585
Batch 54/248, train_loss: 0.7424, step time: 1.0455
Batch 55/248, train_loss: 0.7415, step time: 1.0461
Batch 56/248, train_loss: 0.7299, step time: 1.0599
Batch 57/248, train_loss: 0.7352, step time: 1.0680
Batch 58/248, train_loss: 0.6780, step time: 1.0554
Batch 59/248, train_loss: 0.6787, step time: 1.0476
Batch 60/248, train_loss: 0.6655, step time: 1.0595
Batch 61/248, train_loss: 0.6823, step time: 1.0734
Batch 62/248, train_loss: 0.7547, step time: 1.0717
Batch 63/248, train_loss: 0.8300, step time: 1.0419
Batch 64/248, train_loss: 0.7786, step time: 1.0638
Batch 65/248, train_loss: 0.7615, step time: 1.0457
Batch 66/248, train_loss: 0.7090, step time: 1.0433
Batch 67/248, train_loss: 0.6458, step time: 1.0606
Batch 68/248, train_loss: 0.6802, step time: 1.0411
Batch 69/248, train_loss: 0.8007, step time: 1.0581
```

Batch 70/248, train_loss: 0.7001, step time: 1.0631
Batch 71/248, train_loss: 0.6804, step time: 1.0489
Batch 72/248, train_loss: 0.6641, step time: 1.0606
Batch 73/248, train_loss: 0.7634, step time: 1.0538
Batch 74/248, train_loss: 0.9973, step time: 1.0557
Batch 75/248, train_loss: 0.6845, step time: 1.0747
Batch 76/248, train_loss: 0.8145, step time: 1.0423
Batch 77/248, train_loss: 0.8896, step time: 1.0594
Batch 78/248, train_loss: 0.7058, step time: 1.0694
Batch 79/248, train_loss: 0.7202, step time: 1.0569
Batch 80/248, train_loss: 0.7317, step time: 1.0570
Batch 81/248, train_loss: 0.7516, step time: 1.0461
Batch 82/248, train_loss: 0.6792, step time: 1.0685
Batch 83/248, train_loss: 0.8639, step time: 1.0623
Batch 84/248, train_loss: 0.7259, step time: 1.0565
Batch 85/248, train_loss: 0.7770, step time: 1.0395
Batch 86/248, train_loss: 0.7327, step time: 1.0505
Batch 87/248, train_loss: 0.7749, step time: 1.0477
Batch 88/248, train_loss: 0.7684, step time: 1.0589
Batch 89/248, train_loss: 0.6345, step time: 1.0684
Batch 90/248, train_loss: 0.7957, step time: 1.0623
Batch 91/248, train_loss: 0.7723, step time: 1.0455
Batch 92/248, train_loss: 0.7763, step time: 1.0619
Batch 93/248, train_loss: 0.6980, step time: 1.0688
Batch 94/248, train_loss: 0.7238, step time: 1.0683
Batch 95/248, train_loss: 0.7133, step time: 1.0612
Batch 96/248, train_loss: 0.7040, step time: 1.0705
Batch 97/248, train_loss: 0.7357, step time: 1.0444
Batch 98/248, train_loss: 0.6705, step time: 1.0643
Batch 99/248, train_loss: 0.7692, step time: 1.0499
Batch 100/248, train_loss: 0.7246, step time: 1.0731
Batch 101/248, train_loss: 0.6200, step time: 1.0632
Batch 102/248, train_loss: 0.7032, step time: 1.0472
Batch 103/248, train_loss: 0.7657, step time: 1.0596
Batch 104/248, train_loss: 0.7322, step time: 1.0547
Batch 105/248, train_loss: 0.6610, step time: 1.0415
Batch 106/248, train_loss: 0.7101, step time: 1.0526
Batch 107/248, train_loss: 0.7405, step time: 1.0420
Batch 108/248, train_loss: 0.8420, step time: 1.0458
Batch 109/248, train_loss: 0.8806, step time: 1.0739
Batch 110/248, train_loss: 0.7089, step time: 1.0715
Batch 111/248, train_loss: 0.6652, step time: 1.0562
Batch 112/248, train_loss: 0.6806, step time: 1.0637
Batch 113/248, train_loss: 0.9985, step time: 1.0507
Batch 114/248, train_loss: 0.6630, step time: 1.0656
Batch 115/248, train_loss: 0.7034, step time: 1.0488
Batch 116/248, train_loss: 0.6613, step time: 1.0476
Batch 117/248, train_loss: 0.8714, step time: 1.0482
Batch 118/248, train_loss: 0.7140, step time: 1.0469
Batch 119/248, train_loss: 0.7531, step time: 1.0536
Batch 120/248, train_loss: 0.7252, step time: 1.0556
Batch 121/248, train_loss: 0.7478, step time: 1.0454
Batch 122/248, train_loss: 0.8242, step time: 1.0519
Batch 123/248, train_loss: 0.6721, step time: 1.0596
Batch 124/248, train_loss: 0.7556, step time: 1.0520
Batch 125/248, train_loss: 0.8174, step time: 1.0655
Batch 126/248, train_loss: 0.7395, step time: 1.0567
Batch 127/248, train_loss: 0.6952, step time: 1.0581
Batch 128/248, train_loss: 0.7285, step time: 1.0676
Batch 129/248, train_loss: 0.6526, step time: 1.0569
Batch 130/248, train_loss: 0.6632, step time: 1.0685
Batch 131/248, train_loss: 0.7523, step time: 1.0736
Batch 132/248, train_loss: 0.7201, step time: 1.0556
Batch 133/248, train_loss: 0.6515, step time: 1.0453
Batch 134/248, train_loss: 0.8084, step time: 1.0509
Batch 135/248, train_loss: 0.7223, step time: 1.0463
Batch 136/248, train_loss: 0.6995, step time: 1.0540
Batch 137/248, train_loss: 0.6766, step time: 1.0650
Batch 138/248, train_loss: 0.6582, step time: 1.0488
Batch 139/248, train_loss: 0.7073, step time: 1.0626
Batch 140/248, train_loss: 0.7257, step time: 1.0559
Batch 141/248, train_loss: 0.6968, step time: 1.0696
Batch 142/248, train_loss: 0.9016, step time: 1.0522
Batch 143/248, train_loss: 0.7310, step time: 1.0438
Batch 144/248, train_loss: 0.6895, step time: 1.0652
Batch 145/248, train_loss: 0.6096, step time: 1.0619
Batch 146/248, train_loss: 0.7571, step time: 1.0463
Batch 147/248, train_loss: 0.6063, step time: 1.0584
Batch 148/248, train_loss: 0.8722, step time: 1.0754
Batch 149/248, train_loss: 0.7016, step time: 1.0445
Batch 150/248, train_loss: 0.8502, step time: 1.0475
Batch 151/248, train_loss: 0.7718, step time: 1.0467
Batch 152/248, train_loss: 0.6093, step time: 1.0429
Batch 153/248, train_loss: 0.7722, step time: 1.0684
Batch 154/248, train_loss: 0.7665, step time: 1.0666

Batch 155/248, train_loss: 0.6965, step time: 1.0587
Batch 156/248, train_loss: 0.7617, step time: 1.0664
Batch 157/248, train_loss: 0.7425, step time: 1.0528
Batch 158/248, train_loss: 0.9984, step time: 1.0558
Batch 159/248, train_loss: 0.7882, step time: 1.0736
Batch 160/248, train_loss: 0.6836, step time: 1.0501
Batch 161/248, train_loss: 0.6848, step time: 1.0587
Batch 162/248, train_loss: 0.6150, step time: 1.0666
Batch 163/248, train_loss: 0.7104, step time: 1.0686
Batch 164/248, train_loss: 0.7413, step time: 1.0638
Batch 165/248, train_loss: 0.9239, step time: 1.0477
Batch 166/248, train_loss: 0.7045, step time: 1.0468
Batch 167/248, train_loss: 0.7103, step time: 1.0519
Batch 168/248, train_loss: 0.7128, step time: 1.0416
Batch 169/248, train_loss: 0.6854, step time: 1.0468
Batch 170/248, train_loss: 0.8761, step time: 1.0604
Batch 171/248, train_loss: 0.6441, step time: 1.0463
Batch 172/248, train_loss: 0.8487, step time: 1.0578
Batch 173/248, train_loss: 0.6635, step time: 1.0700
Batch 174/248, train_loss: 0.8600, step time: 1.0469
Batch 175/248, train_loss: 0.6636, step time: 1.0497
Batch 176/248, train_loss: 0.7850, step time: 1.0652
Batch 177/248, train_loss: 0.7349, step time: 1.0736
Batch 178/248, train_loss: 0.7199, step time: 1.0713
Batch 179/248, train_loss: 0.5967, step time: 1.0610
Batch 180/248, train_loss: 0.7787, step time: 1.0490
Batch 181/248, train_loss: 0.6578, step time: 1.0459
Batch 182/248, train_loss: 0.9504, step time: 1.0631
Batch 183/248, train_loss: 0.6944, step time: 1.0454
Batch 184/248, train_loss: 0.7505, step time: 1.0563
Batch 185/248, train_loss: 0.7017, step time: 1.0646
Batch 186/248, train_loss: 0.6861, step time: 1.0649
Batch 187/248, train_loss: 0.7013, step time: 1.0431
Batch 188/248, train_loss: 0.7370, step time: 1.0520
Batch 189/248, train_loss: 0.8290, step time: 1.0563
Batch 190/248, train_loss: 0.6962, step time: 1.0590
Batch 191/248, train_loss: 0.8255, step time: 1.0618
Batch 192/248, train_loss: 0.7288, step time: 1.0399
Batch 193/248, train_loss: 0.7418, step time: 1.0447
Batch 194/248, train_loss: 0.6987, step time: 1.0725
Batch 195/248, train_loss: 0.8161, step time: 1.0613
Batch 196/248, train_loss: 0.9933, step time: 1.0416
Batch 197/248, train_loss: 0.7444, step time: 1.0704
Batch 198/248, train_loss: 0.9874, step time: 1.0539
Batch 199/248, train_loss: 0.7130, step time: 1.0498
Batch 200/248, train_loss: 0.7048, step time: 1.0606
Batch 201/248, train_loss: 0.6969, step time: 1.0477
Batch 202/248, train_loss: 0.7934, step time: 1.0393
Batch 203/248, train_loss: 0.8501, step time: 1.0397
Batch 204/248, train_loss: 0.6707, step time: 1.0570
Batch 205/248, train_loss: 0.7632, step time: 1.0504
Batch 206/248, train_loss: 0.7477, step time: 1.0528
Batch 207/248, train_loss: 0.6740, step time: 1.0703
Batch 208/248, train_loss: 0.7093, step time: 1.0487
Batch 209/248, train_loss: 0.7008, step time: 1.0655
Batch 210/248, train_loss: 0.6650, step time: 1.0521
Batch 211/248, train_loss: 0.6759, step time: 1.0674
Batch 212/248, train_loss: 0.7270, step time: 1.0568
Batch 213/248, train_loss: 0.7046, step time: 1.0518
Batch 214/248, train_loss: 0.6791, step time: 1.0423
Batch 215/248, train_loss: 0.7425, step time: 1.0674
Batch 216/248, train_loss: 0.7083, step time: 1.0585
Batch 217/248, train_loss: 0.7673, step time: 1.0471
Batch 218/248, train_loss: 0.9167, step time: 1.0732
Batch 219/248, train_loss: 0.6843, step time: 1.0583
Batch 220/248, train_loss: 0.7536, step time: 1.0680
Batch 221/248, train_loss: 0.7412, step time: 1.0490
Batch 222/248, train_loss: 0.7346, step time: 1.0568
Batch 223/248, train_loss: 0.6433, step time: 1.0678
Batch 224/248, train_loss: 0.6739, step time: 1.0502
Batch 225/248, train_loss: 0.7316, step time: 1.0418
Batch 226/248, train_loss: 0.7082, step time: 1.0552
Batch 227/248, train_loss: 0.6787, step time: 1.0526
Batch 228/248, train_loss: 0.7215, step time: 1.0670
Batch 229/248, train_loss: 0.6570, step time: 1.0412
Batch 230/248, train_loss: 0.6761, step time: 1.0447
Batch 231/248, train_loss: 0.7919, step time: 1.0673
Batch 232/248, train_loss: 0.6822, step time: 1.0474
Batch 233/248, train_loss: 0.9872, step time: 1.0492
Batch 234/248, train_loss: 0.8425, step time: 1.0558
Batch 235/248, train_loss: 0.7563, step time: 1.0513
Batch 236/248, train_loss: 0.9080, step time: 1.0467
Batch 237/248, train_loss: 0.6799, step time: 1.0642
Batch 238/248, train_loss: 0.6869, step time: 1.0622
Batch 239/248, train_loss: 0.5741, step time: 1.0471

```
Batch 229/240, train_loss: 0.5744, step time: 1.0471
Batch 240/248, train_loss: 0.7886, step time: 1.0657
Batch 241/248, train_loss: 0.9031, step time: 1.0705
Batch 242/248, train_loss: 0.7187, step time: 1.0729
Batch 243/248, train_loss: 0.8355, step time: 1.0483
Batch 244/248, train_loss: 0.8150, step time: 1.0428
Batch 245/248, train_loss: 0.6729, step time: 1.0601
Batch 246/248, train_loss: 0.8176, step time: 1.0748
Batch 247/248, train_loss: 0.6347, step time: 1.0560
Batch 248/248, train_loss: 0.9999, step time: 1.0375
```

Labels



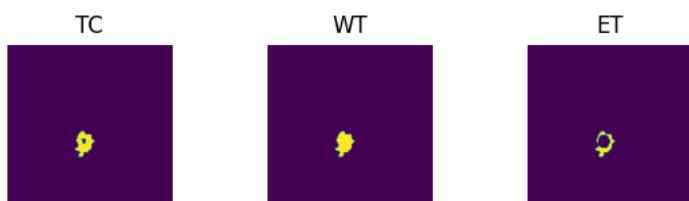
Predictions



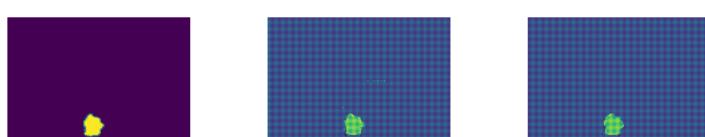
VAL

```
Batch 1/31, val_loss: 0.8597
Batch 2/31, val_loss: 0.8899
Batch 3/31, val_loss: 0.9547
Batch 4/31, val_loss: 0.9398
Batch 5/31, val_loss: 0.9603
Batch 6/31, val_loss: 0.7491
Batch 7/31, val_loss: 0.8504
Batch 8/31, val_loss: 0.9370
Batch 9/31, val_loss: 0.7577
Batch 10/31, val_loss: 0.9255
Batch 11/31, val_loss: 0.7950
Batch 12/31, val_loss: 0.9502
Batch 13/31, val_loss: 0.9024
Batch 14/31, val_loss: 0.9327
Batch 15/31, val_loss: 0.9694
Batch 16/31, val_loss: 0.9014
Batch 17/31, val_loss: 0.9384
Batch 18/31, val_loss: 0.9225
Batch 19/31, val_loss: 0.8022
Batch 20/31, val_loss: 0.8899
Batch 21/31, val_loss: 0.9434
Batch 22/31, val_loss: 0.9493
Batch 23/31, val_loss: 0.9378
Batch 24/31, val_loss: 0.7752
Batch 25/31, val_loss: 0.7875
Batch 26/31, val_loss: 0.8679
Batch 27/31, val_loss: 0.9615
Batch 28/31, val_loss: 0.8132
Batch 29/31, val_loss: 0.9623
Batch 30/31, val_loss: 0.9543
Batch 31/31, val_loss: 0.9445
```

Labels



Predictions





```
epoch 35
average train loss: 0.7419
average validation loss: 0.8944
saved as best model: True
current mean dice: 0.1953
current TC dice: 0.5460
current WT dice: 0.0188
current ET dice: 0.0219
Best Mean Metric: 0.1953
time consuming of epoch 35 is: 1741.7423
-----
epoch 36/100
TRAIN
Batch 1/248, train_loss: 0.6496, step time: 1.0580
Batch 2/248, train_loss: 0.9167, step time: 1.0753
Batch 3/248, train_loss: 0.7587, step time: 1.0562
Batch 4/248, train_loss: 0.9990, step time: 1.0540
Batch 5/248, train_loss: 0.7214, step time: 1.0635
Batch 6/248, train_loss: 0.7349, step time: 1.0674
Batch 7/248, train_loss: 0.6300, step time: 1.0598
Batch 8/248, train_loss: 0.9043, step time: 1.0566
Batch 9/248, train_loss: 0.6398, step time: 1.0571
Batch 10/248, train_loss: 0.7587, step time: 1.0698
Batch 11/248, train_loss: 0.6967, step time: 1.0549
Batch 12/248, train_loss: 0.7466, step time: 1.0602
Batch 13/248, train_loss: 0.7455, step time: 1.0661
Batch 14/248, train_loss: 0.6119, step time: 1.0587
Batch 15/248, train_loss: 0.7826, step time: 1.0528
Batch 16/248, train_loss: 0.7099, step time: 1.0532
Batch 17/248, train_loss: 0.7282, step time: 1.0539
Batch 18/248, train_loss: 0.7697, step time: 1.0698
Batch 19/248, train_loss: 0.6664, step time: 1.0594
Batch 20/248, train_loss: 0.7299, step time: 1.0649
Batch 21/248, train_loss: 0.6684, step time: 1.0673
Batch 22/248, train_loss: 0.9020, step time: 1.0577
Batch 23/248, train_loss: 0.9864, step time: 1.0611
Batch 24/248, train_loss: 0.6862, step time: 1.0444
Batch 25/248, train_loss: 0.6083, step time: 1.0600
Batch 26/248, train_loss: 0.8031, step time: 1.0619
Batch 27/248, train_loss: 0.6491, step time: 1.0674
Batch 28/248, train_loss: 0.7178, step time: 1.0610
Batch 29/248, train_loss: 0.8153, step time: 1.0661
Batch 30/248, train_loss: 0.8056, step time: 1.0621
Batch 31/248, train_loss: 0.7707, step time: 1.0627
Batch 32/248, train_loss: 0.6821, step time: 1.0527
Batch 33/248, train_loss: 0.6428, step time: 1.0407
Batch 34/248, train_loss: 0.6514, step time: 1.0408
Batch 35/248, train_loss: 0.6762, step time: 1.0670
Batch 36/248, train_loss: 0.7630, step time: 1.0573
Batch 37/248, train_loss: 0.7273, step time: 1.0447
Batch 38/248, train_loss: 0.7502, step time: 1.0552
Batch 39/248, train_loss: 0.7148, step time: 1.0541
Batch 40/248, train_loss: 0.9993, step time: 1.0418
Batch 41/248, train_loss: 0.7356, step time: 1.0561
Batch 42/248, train_loss: 0.6793, step time: 1.0500
Batch 43/248, train_loss: 0.6495, step time: 1.0644
Batch 44/248, train_loss: 0.7066, step time: 1.0507
Batch 45/248, train_loss: 0.8651, step time: 1.0540
Batch 46/248, train_loss: 0.7088, step time: 1.0463
Batch 47/248, train_loss: 0.6857, step time: 1.0503
Batch 48/248, train_loss: 0.7413, step time: 1.0619
Batch 49/248, train_loss: 0.7730, step time: 1.0562
Batch 50/248, train_loss: 0.7013, step time: 1.0373
Batch 51/248, train_loss: 0.7186, step time: 1.0693
Batch 52/248, train_loss: 0.6990, step time: 1.0488
Batch 53/248, train_loss: 0.7700, step time: 1.0573
Batch 54/248, train_loss: 0.7469, step time: 1.0711
Batch 55/248, train_loss: 0.7460, step time: 1.0566
Batch 56/248, train_loss: 0.7190, step time: 1.0681
Batch 57/248, train_loss: 0.7417, step time: 1.0581
Batch 58/248, train_loss: 0.6784, step time: 1.0414
Batch 59/248, train_loss: 0.6841, step time: 1.0616
Batch 60/248, train_loss: 0.6678, step time: 1.0461
Batch 61/248, train_loss: 0.6806, step time: 1.0616
Batch 62/248, train_loss: 0.7641, step time: 1.0632
Batch 63/248, train_loss: 0.8415, step time: 1.0548
Batch 64/248, train_loss: 0.7885, step time: 1.0653
Batch 65/248, train_loss: 0.7491, step time: 1.0617
Batch 66/248, train_loss: 0.7039, step time: 1.0732
Batch 67/248, train_loss: 0.6459, step time: 1.0599
Batch 68/248, train_loss: 0.6813, step time: 1.0410
Batch 69/248, train_loss: 0.7929, step time: 1.0633
```

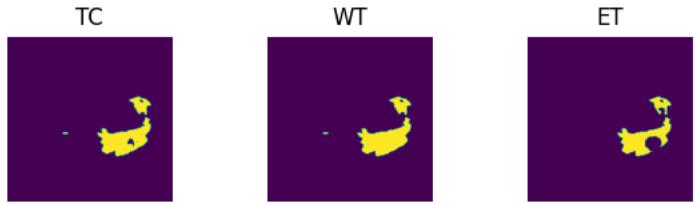
Batch 69/248, train_loss: 0.6995, step time: 1.0550
Batch 70/248, train_loss: 0.6991, step time: 1.0666
Batch 71/248, train_loss: 0.6807, step time: 1.0550
Batch 72/248, train_loss: 0.6643, step time: 1.0562
Batch 73/248, train_loss: 0.7992, step time: 1.0398
Batch 74/248, train_loss: 0.9965, step time: 1.0510
Batch 75/248, train_loss: 0.6837, step time: 1.0603
Batch 76/248, train_loss: 0.7810, step time: 1.0638
Batch 77/248, train_loss: 0.8835, step time: 1.0480
Batch 78/248, train_loss: 0.6973, step time: 1.0518
Batch 79/248, train_loss: 0.7087, step time: 1.0407
Batch 80/248, train_loss: 0.7265, step time: 1.0651
Batch 81/248, train_loss: 0.7243, step time: 1.0476
Batch 82/248, train_loss: 0.6788, step time: 1.0477
Batch 83/248, train_loss: 0.8542, step time: 1.0591
Batch 84/248, train_loss: 0.7204, step time: 1.0490
Batch 85/248, train_loss: 0.7768, step time: 1.0725
Batch 86/248, train_loss: 0.7241, step time: 1.0584
Batch 87/248, train_loss: 0.7648, step time: 1.0525
Batch 88/248, train_loss: 0.7745, step time: 1.0715
Batch 89/248, train_loss: 0.6351, step time: 1.0501
Batch 90/248, train_loss: 0.7278, step time: 1.0652
Batch 91/248, train_loss: 0.7753, step time: 1.0528
Batch 92/248, train_loss: 0.7525, step time: 1.0634
Batch 93/248, train_loss: 0.6970, step time: 1.0479
Batch 94/248, train_loss: 0.7295, step time: 1.0454
Batch 95/248, train_loss: 0.7129, step time: 1.0595
Batch 96/248, train_loss: 0.7039, step time: 1.0616
Batch 97/248, train_loss: 0.7740, step time: 1.0691
Batch 98/248, train_loss: 0.6687, step time: 1.0555
Batch 99/248, train_loss: 0.7647, step time: 1.0479
Batch 100/248, train_loss: 0.7593, step time: 1.0620
Batch 101/248, train_loss: 0.6188, step time: 1.0495
Batch 102/248, train_loss: 0.6948, step time: 1.0682
Batch 103/248, train_loss: 0.7746, step time: 1.0398
Batch 104/248, train_loss: 0.7256, step time: 1.0491
Batch 105/248, train_loss: 0.6623, step time: 1.0677
Batch 106/248, train_loss: 0.7047, step time: 1.0566
Batch 107/248, train_loss: 0.7427, step time: 1.0609
Batch 108/248, train_loss: 0.8149, step time: 1.0573
Batch 109/248, train_loss: 0.7737, step time: 1.0504
Batch 110/248, train_loss: 0.7022, step time: 1.0625
Batch 111/248, train_loss: 0.6635, step time: 1.0443
Batch 112/248, train_loss: 0.6800, step time: 1.0736
Batch 113/248, train_loss: 0.9991, step time: 1.0464
Batch 114/248, train_loss: 0.6519, step time: 1.0479
Batch 115/248, train_loss: 0.7065, step time: 1.0472
Batch 116/248, train_loss: 0.6619, step time: 1.0540
Batch 117/248, train_loss: 0.8864, step time: 1.0456
Batch 118/248, train_loss: 0.8180, step time: 1.0580
Batch 119/248, train_loss: 0.7427, step time: 1.0563
Batch 120/248, train_loss: 0.7258, step time: 1.0473
Batch 121/248, train_loss: 0.7462, step time: 1.0537
Batch 122/248, train_loss: 0.8579, step time: 1.0771
Batch 123/248, train_loss: 0.6714, step time: 1.0403
Batch 124/248, train_loss: 0.7483, step time: 1.0436
Batch 125/248, train_loss: 0.8092, step time: 1.0419
Batch 126/248, train_loss: 0.7136, step time: 1.0585
Batch 127/248, train_loss: 0.6934, step time: 1.0558
Batch 128/248, train_loss: 0.7231, step time: 1.0552
Batch 129/248, train_loss: 0.6541, step time: 1.0595
Batch 130/248, train_loss: 0.6522, step time: 1.0636
Batch 131/248, train_loss: 0.7743, step time: 1.0664
Batch 132/248, train_loss: 0.7222, step time: 1.0681
Batch 133/248, train_loss: 0.6419, step time: 1.0476
Batch 134/248, train_loss: 0.7986, step time: 1.0636
Batch 135/248, train_loss: 0.7203, step time: 1.0602
Batch 136/248, train_loss: 0.6982, step time: 1.0431
Batch 137/248, train_loss: 0.6746, step time: 1.0442
Batch 138/248, train_loss: 0.6550, step time: 1.0430
Batch 139/248, train_loss: 0.6972, step time: 1.0571
Batch 140/248, train_loss: 0.7317, step time: 1.0752
Batch 141/248, train_loss: 0.7009, step time: 1.0699
Batch 142/248, train_loss: 0.9121, step time: 1.0756
Batch 143/248, train_loss: 0.7339, step time: 1.0436
Batch 144/248, train_loss: 0.6883, step time: 1.0398
Batch 145/248, train_loss: 0.6150, step time: 1.0642
Batch 146/248, train_loss: 0.8123, step time: 1.0661
Batch 147/248, train_loss: 0.6039, step time: 1.0544
Batch 148/248, train_loss: 0.8467, step time: 1.0574
Batch 149/248, train_loss: 0.7025, step time: 1.0550
Batch 150/248, train_loss: 0.8503, step time: 1.0540
Batch 151/248, train_loss: 0.7506, step time: 1.0586
Batch 152/248, train_loss: 0.6080, step time: 1.0676
Batch 153/248, train_loss: 0.7370, step time: 1.0476

total 153/248 train loss: 0.7712 step time: 1.0615

Batch 154/248, train_loss: 0.7713, step time: 1.0615
Batch 155/248, train_loss: 0.6944, step time: 1.0601
Batch 156/248, train_loss: 0.7156, step time: 1.0547
Batch 157/248, train_loss: 0.7344, step time: 1.0482
Batch 158/248, train_loss: 0.9982, step time: 1.0610
Batch 159/248, train_loss: 0.7781, step time: 1.0757
Batch 160/248, train_loss: 0.6852, step time: 1.0445
Batch 161/248, train_loss: 0.6823, step time: 1.0568
Batch 162/248, train_loss: 0.6044, step time: 1.0428
Batch 163/248, train_loss: 0.7088, step time: 1.0527
Batch 164/248, train_loss: 0.7454, step time: 1.0645
Batch 165/248, train_loss: 0.8655, step time: 1.0554
Batch 166/248, train_loss: 0.7060, step time: 1.0665
Batch 167/248, train_loss: 0.7122, step time: 1.0653
Batch 168/248, train_loss: 0.7171, step time: 1.0527
Batch 169/248, train_loss: 0.6814, step time: 1.0648
Batch 170/248, train_loss: 0.8495, step time: 1.0492
Batch 171/248, train_loss: 0.6412, step time: 1.0520
Batch 172/248, train_loss: 0.8282, step time: 1.0615
Batch 173/248, train_loss: 0.6600, step time: 1.0466
Batch 174/248, train_loss: 0.9863, step time: 1.0725
Batch 175/248, train_loss: 0.6525, step time: 1.0449
Batch 176/248, train_loss: 0.7821, step time: 1.0615
Batch 177/248, train_loss: 0.7579, step time: 1.0703
Batch 178/248, train_loss: 0.7123, step time: 1.0494
Batch 179/248, train_loss: 0.5966, step time: 1.0595
Batch 180/248, train_loss: 0.7774, step time: 1.0660
Batch 181/248, train_loss: 0.6611, step time: 1.0425
Batch 182/248, train_loss: 0.9490, step time: 1.0486
Batch 183/248, train_loss: 0.6810, step time: 1.0460
Batch 184/248, train_loss: 0.7460, step time: 1.0681
Batch 185/248, train_loss: 0.6943, step time: 1.0613
Batch 186/248, train_loss: 0.6816, step time: 1.0549
Batch 187/248, train_loss: 0.6943, step time: 1.0583
Batch 188/248, train_loss: 0.7325, step time: 1.0622
Batch 189/248, train_loss: 0.8065, step time: 1.0595
Batch 190/248, train_loss: 0.6988, step time: 1.0451
Batch 191/248, train_loss: 0.8267, step time: 1.0452
Batch 192/248, train_loss: 0.7199, step time: 1.0460
Batch 193/248, train_loss: 0.7439, step time: 1.0476
Batch 194/248, train_loss: 0.6953, step time: 1.0519
Batch 195/248, train_loss: 0.8123, step time: 1.0691
Batch 196/248, train_loss: 0.9997, step time: 1.0377
Batch 197/248, train_loss: 0.7467, step time: 1.0706
Batch 198/248, train_loss: 0.9868, step time: 1.0481
Batch 199/248, train_loss: 0.7325, step time: 1.0604
Batch 200/248, train_loss: 0.7024, step time: 1.0598
Batch 201/248, train_loss: 0.6897, step time: 1.0526
Batch 202/248, train_loss: 0.7851, step time: 1.0593
Batch 203/248, train_loss: 0.8409, step time: 1.0464
Batch 204/248, train_loss: 0.6599, step time: 1.0398
Batch 205/248, train_loss: 0.7600, step time: 1.0589
Batch 206/248, train_loss: 0.8079, step time: 1.0479
Batch 207/248, train_loss: 0.6732, step time: 1.0400
Batch 208/248, train_loss: 0.7140, step time: 1.0612
Batch 209/248, train_loss: 0.7038, step time: 1.0578
Batch 210/248, train_loss: 0.6653, step time: 1.0526
Batch 211/248, train_loss: 0.6674, step time: 1.0584
Batch 212/248, train_loss: 0.7273, step time: 1.0425
Batch 213/248, train_loss: 0.7024, step time: 1.0617
Batch 214/248, train_loss: 0.6789, step time: 1.0448
Batch 215/248, train_loss: 0.7693, step time: 1.0593
Batch 216/248, train_loss: 0.7239, step time: 1.0551
Batch 217/248, train_loss: 0.7902, step time: 1.0793
Batch 218/248, train_loss: 0.9451, step time: 1.0563
Batch 219/248, train_loss: 0.6817, step time: 1.0665
Batch 220/248, train_loss: 0.7499, step time: 1.0570
Batch 221/248, train_loss: 0.7406, step time: 1.0602
Batch 222/248, train_loss: 0.7298, step time: 1.0464
Batch 223/248, train_loss: 0.6436, step time: 1.0409
Batch 224/248, train_loss: 0.6722, step time: 1.0444
Batch 225/248, train_loss: 0.7380, step time: 1.0612
Batch 226/248, train_loss: 0.7089, step time: 1.0527
Batch 227/248, train_loss: 0.6831, step time: 1.0654
Batch 228/248, train_loss: 0.7213, step time: 1.0540
Batch 229/248, train_loss: 0.6557, step time: 1.0616
Batch 230/248, train_loss: 0.6767, step time: 1.0435
Batch 231/248, train_loss: 0.7478, step time: 1.0547
Batch 232/248, train_loss: 0.6749, step time: 1.0651
Batch 233/248, train_loss: 0.9886, step time: 1.0508
Batch 234/248, train_loss: 0.8197, step time: 1.0476
Batch 235/248, train_loss: 0.7365, step time: 1.0634
Batch 236/248, train_loss: 0.9041, step time: 1.0656
Batch 237/248, train_loss: 0.6812, step time: 1.0487
Batch 238/248, train_loss: 0.6858, step time: 1.0551

```
Batch 239/248, train_loss: 0.5716, step time: 1.0521
Batch 240/248, train_loss: 0.7916, step time: 1.0744
Batch 241/248, train_loss: 0.8671, step time: 1.0696
Batch 242/248, train_loss: 0.7134, step time: 1.0696
Batch 243/248, train_loss: 0.8344, step time: 1.0504
Batch 244/248, train_loss: 0.8137, step time: 1.0443
Batch 245/248, train_loss: 0.6726, step time: 1.0483
Batch 246/248, train_loss: 0.8527, step time: 1.0634
Batch 247/248, train_loss: 0.6186, step time: 1.0514
Batch 248/248, train_loss: 0.9999, step time: 1.0590
```

Labels



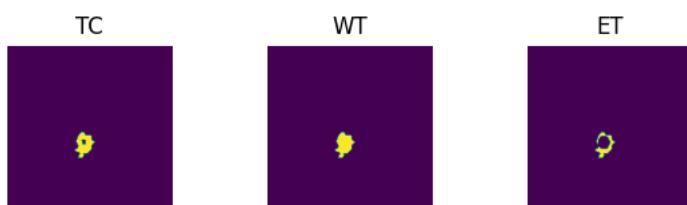
Predictions



VAL

```
Batch 1/31, val_loss: 0.8424
Batch 2/31, val_loss: 0.8765
Batch 3/31, val_loss: 0.9422
Batch 4/31, val_loss: 0.9266
Batch 5/31, val_loss: 0.9429
Batch 6/31, val_loss: 0.7304
Batch 7/31, val_loss: 0.8327
Batch 8/31, val_loss: 0.9238
Batch 9/31, val_loss: 0.7396
Batch 10/31, val_loss: 0.9090
Batch 11/31, val_loss: 0.7807
Batch 12/31, val_loss: 0.9360
Batch 13/31, val_loss: 0.8897
Batch 14/31, val_loss: 0.9189
Batch 15/31, val_loss: 0.9552
Batch 16/31, val_loss: 0.8878
Batch 17/31, val_loss: 0.9210
Batch 18/31, val_loss: 0.9065
Batch 19/31, val_loss: 0.7867
Batch 20/31, val_loss: 0.8669
Batch 21/31, val_loss: 0.9296
Batch 22/31, val_loss: 0.9337
Batch 23/31, val_loss: 0.9197
Batch 24/31, val_loss: 0.7621
Batch 25/31, val_loss: 0.7770
Batch 26/31, val_loss: 0.8510
Batch 27/31, val_loss: 0.9497
Batch 28/31, val_loss: 0.7975
Batch 29/31, val_loss: 0.9481
Batch 30/31, val_loss: 0.9390
Batch 31/31, val_loss: 0.9263
```

Labels



Predictions





```
epoch 36
average train loss: 0.7409
average validation loss: 0.8790
saved as best model: False
current mean dice: 0.1926
current TC dice: 0.5335
current WT dice: 0.0193
current ET dice: 0.0228
Best Mean Metric: 0.1953
time consuming of epoch 36 is: 1718.2028
```

```
-----
```

```
epoch 37/100
```

```
TRAIN
```

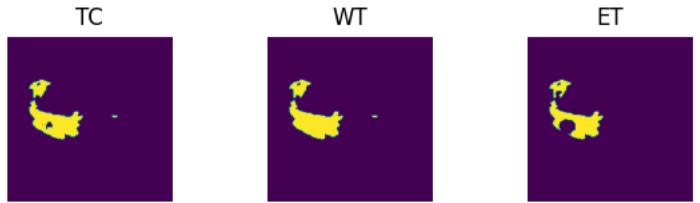
```
Batch 1/248, train_loss: 0.6487, step time: 1.0638
Batch 2/248, train_loss: 0.8943, step time: 1.0681
Batch 3/248, train_loss: 0.7797, step time: 1.0492
Batch 4/248, train_loss: 0.9888, step time: 1.0447
Batch 5/248, train_loss: 0.7235, step time: 1.0681
Batch 6/248, train_loss: 0.7135, step time: 1.0483
Batch 7/248, train_loss: 0.6209, step time: 1.0524
Batch 8/248, train_loss: 0.8969, step time: 1.0419
Batch 9/248, train_loss: 0.6411, step time: 1.0641
Batch 10/248, train_loss: 0.7604, step time: 1.0544
Batch 11/248, train_loss: 0.6996, step time: 1.0468
Batch 12/248, train_loss: 0.7638, step time: 1.0748
Batch 13/248, train_loss: 0.7476, step time: 1.0581
Batch 14/248, train_loss: 0.6072, step time: 1.0494
Batch 15/248, train_loss: 0.7800, step time: 1.0703
Batch 16/248, train_loss: 0.7142, step time: 1.0655
Batch 17/248, train_loss: 0.7369, step time: 1.0532
Batch 18/248, train_loss: 0.7478, step time: 1.0424
Batch 19/248, train_loss: 0.6599, step time: 1.0604
Batch 20/248, train_loss: 0.7262, step time: 1.0457
Batch 21/248, train_loss: 0.6680, step time: 1.0628
Batch 22/248, train_loss: 0.8797, step time: 1.0696
Batch 23/248, train_loss: 0.9472, step time: 1.0470
Batch 24/248, train_loss: 0.6855, step time: 1.0556
Batch 25/248, train_loss: 0.6070, step time: 1.0445
Batch 26/248, train_loss: 0.8187, step time: 1.0752
Batch 27/248, train_loss: 0.6476, step time: 1.0462
Batch 28/248, train_loss: 0.7256, step time: 1.0549
Batch 29/248, train_loss: 0.7768, step time: 1.0454
Batch 30/248, train_loss: 0.7406, step time: 1.0507
Batch 31/248, train_loss: 0.7775, step time: 1.0646
Batch 32/248, train_loss: 0.6781, step time: 1.0625
Batch 33/248, train_loss: 0.6432, step time: 1.0578
Batch 34/248, train_loss: 0.6527, step time: 1.0472
Batch 35/248, train_loss: 0.6728, step time: 1.0419
Batch 36/248, train_loss: 0.7591, step time: 1.0692
Batch 37/248, train_loss: 0.7266, step time: 1.0373
Batch 38/248, train_loss: 0.7495, step time: 1.0634
Batch 39/248, train_loss: 0.6968, step time: 1.0653
Batch 40/248, train_loss: 0.9977, step time: 1.0530
Batch 41/248, train_loss: 0.7203, step time: 1.0599
Batch 42/248, train_loss: 0.6776, step time: 1.0459
Batch 43/248, train_loss: 0.6499, step time: 1.0500
Batch 44/248, train_loss: 0.6999, step time: 1.0649
Batch 45/248, train_loss: 0.8542, step time: 1.0558
Batch 46/248, train_loss: 0.7060, step time: 1.0569
Batch 47/248, train_loss: 0.6860, step time: 1.0663
Batch 48/248, train_loss: 0.7381, step time: 1.0437
Batch 49/248, train_loss: 0.7555, step time: 1.0627
Batch 50/248, train_loss: 0.7078, step time: 1.0661
Batch 51/248, train_loss: 0.7162, step time: 1.0700
Batch 52/248, train_loss: 0.7001, step time: 1.0767
Batch 53/248, train_loss: 0.7682, step time: 1.0530
Batch 54/248, train_loss: 0.7433, step time: 1.0725
Batch 55/248, train_loss: 0.7385, step time: 1.0429
Batch 56/248, train_loss: 0.7284, step time: 1.0614
Batch 57/248, train_loss: 0.7425, step time: 1.0466
Batch 58/248, train_loss: 0.6746, step time: 1.0396
Batch 59/248, train_loss: 0.6823, step time: 1.0498
Batch 60/248, train_loss: 0.6658, step time: 1.0559
Batch 61/248, train_loss: 0.6811, step time: 1.0617
Batch 62/248, train_loss: 0.7570, step time: 1.0679
Batch 63/248, train_loss: 0.8140, step time: 1.0699
Batch 64/248, train_loss: 0.7904, step time: 1.0711
Batch 65/248, train_loss: 0.7430, step time: 1.0605
Batch 66/248, train_loss: 0.7060, step time: 1.0533
Batch 67/248, train_loss: 0.6444, step time: 1.0714
Batch 68/248, train_loss: 0.6811, step time: 1.0439
```

Batch 69/248, train_loss: 0.8055, step time: 1.0/36
Batch 70/248, train_loss: 0.6976, step time: 1.0526
Batch 71/248, train_loss: 0.6827, step time: 1.0538
Batch 72/248, train_loss: 0.6634, step time: 1.0646
Batch 73/248, train_loss: 0.8415, step time: 1.0583
Batch 74/248, train_loss: 0.9972, step time: 1.0594
Batch 75/248, train_loss: 0.6839, step time: 1.0419
Batch 76/248, train_loss: 0.7786, step time: 1.0559
Batch 77/248, train_loss: 0.8620, step time: 1.0521
Batch 78/248, train_loss: 0.6971, step time: 1.0468
Batch 79/248, train_loss: 0.7081, step time: 1.0615
Batch 80/248, train_loss: 0.7330, step time: 1.0611
Batch 81/248, train_loss: 0.7168, step time: 1.0726
Batch 82/248, train_loss: 0.6794, step time: 1.0596
Batch 83/248, train_loss: 0.8629, step time: 1.0657
Batch 84/248, train_loss: 0.7288, step time: 1.0726
Batch 85/248, train_loss: 0.7718, step time: 1.0384
Batch 86/248, train_loss: 0.7658, step time: 1.0519
Batch 87/248, train_loss: 0.7506, step time: 1.0710
Batch 88/248, train_loss: 0.7614, step time: 1.0613
Batch 89/248, train_loss: 0.6321, step time: 1.0619
Batch 90/248, train_loss: 0.8497, step time: 1.0575
Batch 91/248, train_loss: 0.7755, step time: 1.0513
Batch 92/248, train_loss: 0.7632, step time: 1.0725
Batch 93/248, train_loss: 0.7009, step time: 1.0448
Batch 94/248, train_loss: 0.7258, step time: 1.0624
Batch 95/248, train_loss: 0.7119, step time: 1.0609
Batch 96/248, train_loss: 0.7007, step time: 1.0435
Batch 97/248, train_loss: 0.7432, step time: 1.0477
Batch 98/248, train_loss: 0.6672, step time: 1.0470
Batch 99/248, train_loss: 0.7689, step time: 1.0479
Batch 100/248, train_loss: 0.7473, step time: 1.0488
Batch 101/248, train_loss: 0.6184, step time: 1.0457
Batch 102/248, train_loss: 0.6939, step time: 1.0676
Batch 103/248, train_loss: 0.7915, step time: 1.0573
Batch 104/248, train_loss: 0.7348, step time: 1.0429
Batch 105/248, train_loss: 0.6621, step time: 1.0700
Batch 106/248, train_loss: 0.7021, step time: 1.0623
Batch 107/248, train_loss: 0.9276, step time: 1.0567
Batch 108/248, train_loss: 0.8220, step time: 1.0609
Batch 109/248, train_loss: 0.8407, step time: 1.0521
Batch 110/248, train_loss: 0.7218, step time: 1.0603
Batch 111/248, train_loss: 0.6652, step time: 1.0671
Batch 112/248, train_loss: 0.6866, step time: 1.0553
Batch 113/248, train_loss: 0.9972, step time: 1.0592
Batch 114/248, train_loss: 0.6639, step time: 1.0703
Batch 115/248, train_loss: 0.7135, step time: 1.0575
Batch 116/248, train_loss: 0.6611, step time: 1.0671
Batch 117/248, train_loss: 0.9911, step time: 1.0481
Batch 118/248, train_loss: 0.7174, step time: 1.0527
Batch 119/248, train_loss: 0.7358, step time: 1.0540
Batch 120/248, train_loss: 0.7360, step time: 1.0472
Batch 121/248, train_loss: 0.7427, step time: 1.0450
Batch 122/248, train_loss: 0.8124, step time: 1.0629
Batch 123/248, train_loss: 0.6722, step time: 1.0579
Batch 124/248, train_loss: 0.7484, step time: 1.0455
Batch 125/248, train_loss: 0.8114, step time: 1.0532
Batch 126/248, train_loss: 0.7176, step time: 1.0632
Batch 127/248, train_loss: 0.6980, step time: 1.0681
Batch 128/248, train_loss: 0.7329, step time: 1.0683
Batch 129/248, train_loss: 0.6557, step time: 1.0673
Batch 130/248, train_loss: 0.6504, step time: 1.0615
Batch 131/248, train_loss: 0.7664, step time: 1.0687
Batch 132/248, train_loss: 0.7217, step time: 1.0429
Batch 133/248, train_loss: 0.6414, step time: 1.0402
Batch 134/248, train_loss: 0.7710, step time: 1.0735
Batch 135/248, train_loss: 0.7194, step time: 1.0668
Batch 136/248, train_loss: 0.7008, step time: 1.0461
Batch 137/248, train_loss: 0.6875, step time: 1.0530
Batch 138/248, train_loss: 0.6575, step time: 1.0547
Batch 139/248, train_loss: 0.7049, step time: 1.0469
Batch 140/248, train_loss: 0.7217, step time: 1.0601
Batch 141/248, train_loss: 0.6933, step time: 1.0515
Batch 142/248, train_loss: 0.8912, step time: 1.0689
Batch 143/248, train_loss: 0.7364, step time: 1.0458
Batch 144/248, train_loss: 0.6884, step time: 1.0712
Batch 145/248, train_loss: 0.6121, step time: 1.0442
Batch 146/248, train_loss: 0.7810, step time: 1.0498
Batch 147/248, train_loss: 0.6034, step time: 1.0466
Batch 148/248, train_loss: 0.8335, step time: 1.0648
Batch 149/248, train_loss: 0.7034, step time: 1.0536
Batch 150/248, train_loss: 0.8456, step time: 1.0465
Batch 151/248, train_loss: 0.7492, step time: 1.0718
Batch 152/248, train_loss: 0.6077, step time: 1.0559
Batch 153/248, train_loss: 0.7454, step time: 1.0684

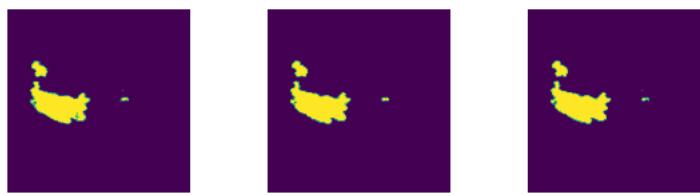
Batch 154/248, train_loss: 0.7747, step time: 1.0595
Batch 155/248, train_loss: 0.7010, step time: 1.0590
Batch 156/248, train_loss: 0.7148, step time: 1.0733
Batch 157/248, train_loss: 0.7323, step time: 1.0554
Batch 158/248, train_loss: 0.9977, step time: 1.0711
Batch 159/248, train_loss: 0.7766, step time: 1.0458
Batch 160/248, train_loss: 0.6842, step time: 1.0755
Batch 161/248, train_loss: 0.6900, step time: 1.0578
Batch 162/248, train_loss: 0.5976, step time: 1.0749
Batch 163/248, train_loss: 0.7315, step time: 1.0551
Batch 164/248, train_loss: 0.7089, step time: 1.0468
Batch 165/248, train_loss: 0.8732, step time: 1.0618
Batch 166/248, train_loss: 0.6981, step time: 1.0746
Batch 167/248, train_loss: 0.7095, step time: 1.0708
Batch 168/248, train_loss: 0.7120, step time: 1.0485
Batch 169/248, train_loss: 0.6846, step time: 1.0476
Batch 170/248, train_loss: 0.8514, step time: 1.0456
Batch 171/248, train_loss: 0.6380, step time: 1.0414
Batch 172/248, train_loss: 0.8577, step time: 1.0450
Batch 173/248, train_loss: 0.6592, step time: 1.0454
Batch 174/248, train_loss: 0.8654, step time: 1.0643
Batch 175/248, train_loss: 0.6537, step time: 1.0462
Batch 176/248, train_loss: 0.7779, step time: 1.0617
Batch 177/248, train_loss: 0.7372, step time: 1.0476
Batch 178/248, train_loss: 0.7099, step time: 1.0727
Batch 179/248, train_loss: 0.5934, step time: 1.0620
Batch 180/248, train_loss: 0.7759, step time: 1.0444
Batch 181/248, train_loss: 0.6602, step time: 1.0565
Batch 182/248, train_loss: 0.9523, step time: 1.0672
Batch 183/248, train_loss: 0.6774, step time: 1.0384
Batch 184/248, train_loss: 0.7377, step time: 1.0564
Batch 185/248, train_loss: 0.6987, step time: 1.0482
Batch 186/248, train_loss: 0.6886, step time: 1.0655
Batch 187/248, train_loss: 0.6986, step time: 1.0481
Batch 188/248, train_loss: 0.7249, step time: 1.0481
Batch 189/248, train_loss: 0.8220, step time: 1.0615
Batch 190/248, train_loss: 0.6997, step time: 1.0662
Batch 191/248, train_loss: 0.8423, step time: 1.0609
Batch 192/248, train_loss: 0.7154, step time: 1.0681
Batch 193/248, train_loss: 0.7441, step time: 1.0657
Batch 194/248, train_loss: 0.6965, step time: 1.0617
Batch 195/248, train_loss: 0.8166, step time: 1.0680
Batch 196/248, train_loss: 0.9989, step time: 1.0560
Batch 197/248, train_loss: 0.7505, step time: 1.0698
Batch 198/248, train_loss: 0.9998, step time: 1.0695
Batch 199/248, train_loss: 0.7109, step time: 1.0676
Batch 200/248, train_loss: 0.7018, step time: 1.0503
Batch 201/248, train_loss: 0.6899, step time: 1.0493
Batch 202/248, train_loss: 0.7848, step time: 1.0495
Batch 203/248, train_loss: 0.8518, step time: 1.0644
Batch 204/248, train_loss: 0.6584, step time: 1.0448
Batch 205/248, train_loss: 0.7574, step time: 1.0704
Batch 206/248, train_loss: 0.7432, step time: 1.0504
Batch 207/248, train_loss: 0.6742, step time: 1.0607
Batch 208/248, train_loss: 0.7180, step time: 1.0499
Batch 209/248, train_loss: 0.7041, step time: 1.0385
Batch 210/248, train_loss: 0.6654, step time: 1.0488
Batch 211/248, train_loss: 0.6677, step time: 1.0515
Batch 212/248, train_loss: 0.7328, step time: 1.0567
Batch 213/248, train_loss: 0.7037, step time: 1.0442
Batch 214/248, train_loss: 0.6788, step time: 1.0476
Batch 215/248, train_loss: 0.7444, step time: 1.0414
Batch 216/248, train_loss: 0.7187, step time: 1.0590
Batch 217/248, train_loss: 0.7671, step time: 1.0563
Batch 218/248, train_loss: 0.8978, step time: 1.0526
Batch 219/248, train_loss: 0.6820, step time: 1.0461
Batch 220/248, train_loss: 0.7480, step time: 1.0646
Batch 221/248, train_loss: 0.7334, step time: 1.0696
Batch 222/248, train_loss: 0.7317, step time: 1.0580
Batch 223/248, train_loss: 0.6441, step time: 1.0407
Batch 224/248, train_loss: 0.6740, step time: 1.0446
Batch 225/248, train_loss: 0.7315, step time: 1.0580
Batch 226/248, train_loss: 0.7099, step time: 1.0424
Batch 227/248, train_loss: 0.6777, step time: 1.0411
Batch 228/248, train_loss: 0.7153, step time: 1.0672
Batch 229/248, train_loss: 0.6540, step time: 1.0542
Batch 230/248, train_loss: 0.6779, step time: 1.0478
Batch 231/248, train_loss: 0.7370, step time: 1.0569
Batch 232/248, train_loss: 0.6756, step time: 1.0451
Batch 233/248, train_loss: 0.9877, step time: 1.0420
Batch 234/248, train_loss: 0.8231, step time: 1.0580
Batch 235/248, train_loss: 0.7303, step time: 1.0425
Batch 236/248, train_loss: 0.9050, step time: 1.0475
Batch 237/248, train_loss: 0.6772, step time: 1.0640
Batch 238/248, train_loss: 0.6881, step time: 1.0659

```
Batch 239/248, train_loss: 0.5703, step time: 1.0654
Batch 240/248, train_loss: 0.7735, step time: 1.0645
Batch 241/248, train_loss: 0.8658, step time: 1.0514
Batch 242/248, train_loss: 0.7105, step time: 1.0565
Batch 243/248, train_loss: 0.8260, step time: 1.0655
Batch 244/248, train_loss: 0.8074, step time: 1.0408
Batch 245/248, train_loss: 0.6700, step time: 1.0655
Batch 246/248, train_loss: 0.8720, step time: 1.0616
Batch 247/248, train_loss: 0.6200, step time: 1.0632
Batch 248/248, train_loss: 1.0000, step time: 1.0535
```

Labels



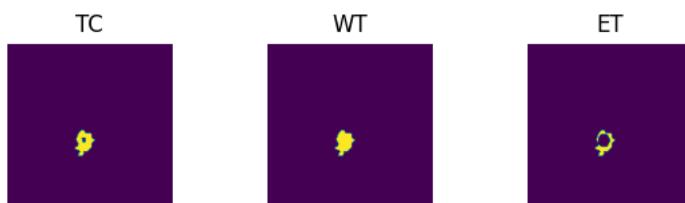
Predictions



VAL

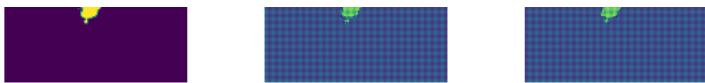
```
Batch 1/31, val_loss: 0.8330
Batch 2/31, val_loss: 0.8806
Batch 3/31, val_loss: 0.9317
Batch 4/31, val_loss: 0.9154
Batch 5/31, val_loss: 0.9284
Batch 6/31, val_loss: 0.7167
Batch 7/31, val_loss: 0.8169
Batch 8/31, val_loss: 0.9100
Batch 9/31, val_loss: 0.7282
Batch 10/31, val_loss: 0.8988
Batch 11/31, val_loss: 0.7761
Batch 12/31, val_loss: 0.9215
Batch 13/31, val_loss: 0.8827
Batch 14/31, val_loss: 0.9071
Batch 15/31, val_loss: 0.9431
Batch 16/31, val_loss: 0.8712
Batch 17/31, val_loss: 0.9093
Batch 18/31, val_loss: 0.8912
Batch 19/31, val_loss: 0.7728
Batch 20/31, val_loss: 0.8610
Batch 21/31, val_loss: 0.9164
Batch 22/31, val_loss: 0.9206
Batch 23/31, val_loss: 0.9061
Batch 24/31, val_loss: 0.7482
Batch 25/31, val_loss: 0.7668
Batch 26/31, val_loss: 0.8373
Batch 27/31, val_loss: 0.9374
Batch 28/31, val_loss: 0.7852
Batch 29/31, val_loss: 0.9366
Batch 30/31, val_loss: 0.9270
Batch 31/31, val_loss: 0.9116
```

Labels



Predictions





```
epoch 37
average train loss: 0.7398
average validation loss: 0.8674
saved as best model: True
current mean dice: 0.1961
current TC dice: 0.5429
current WT dice: 0.0192
current ET dice: 0.0230
Best Mean Metric: 0.1961
time consuming of epoch 37 is: 1736.7971
-----
```

```
epoch 38/100
```

```
TRAIN
```

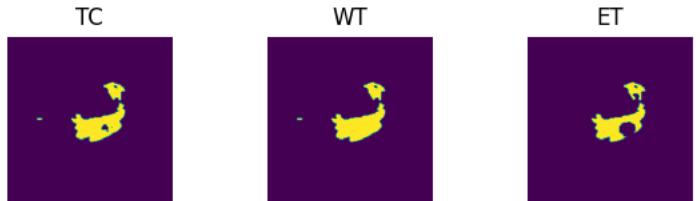
```
Batch 1/248, train_loss: 0.6474, step time: 1.0473
Batch 2/248, train_loss: 0.8900, step time: 1.0555
Batch 3/248, train_loss: 0.7855, step time: 1.0444
Batch 4/248, train_loss: 0.9965, step time: 1.0592
Batch 5/248, train_loss: 0.7255, step time: 1.0429
Batch 6/248, train_loss: 0.7301, step time: 1.0575
Batch 7/248, train_loss: 0.6199, step time: 1.0621
Batch 8/248, train_loss: 0.9084, step time: 1.0656
Batch 9/248, train_loss: 0.6414, step time: 1.0677
Batch 10/248, train_loss: 0.7582, step time: 1.0745
Batch 11/248, train_loss: 0.6906, step time: 1.0461
Batch 12/248, train_loss: 0.7502, step time: 1.0694
Batch 13/248, train_loss: 0.7454, step time: 1.0662
Batch 14/248, train_loss: 0.6052, step time: 1.0477
Batch 15/248, train_loss: 0.7835, step time: 1.0382
Batch 16/248, train_loss: 0.7150, step time: 1.0429
Batch 17/248, train_loss: 0.7507, step time: 1.0564
Batch 18/248, train_loss: 0.7606, step time: 1.0608
Batch 19/248, train_loss: 0.6637, step time: 1.0442
Batch 20/248, train_loss: 0.7212, step time: 1.0564
Batch 21/248, train_loss: 0.6711, step time: 1.0702
Batch 22/248, train_loss: 0.8357, step time: 1.0447
Batch 23/248, train_loss: 0.8212, step time: 1.0478
Batch 24/248, train_loss: 0.6844, step time: 1.0427
Batch 25/248, train_loss: 0.6059, step time: 1.0490
Batch 26/248, train_loss: 0.8119, step time: 1.0726
Batch 27/248, train_loss: 0.6471, step time: 1.0551
Batch 28/248, train_loss: 0.7262, step time: 1.0590
Batch 29/248, train_loss: 0.7743, step time: 1.0491
Batch 30/248, train_loss: 0.7293, step time: 1.0475
Batch 31/248, train_loss: 0.7699, step time: 1.0675
Batch 32/248, train_loss: 0.6812, step time: 1.0626
Batch 33/248, train_loss: 0.6441, step time: 1.0441
Batch 34/248, train_loss: 0.6508, step time: 1.0436
Batch 35/248, train_loss: 0.6716, step time: 1.0534
Batch 36/248, train_loss: 0.7697, step time: 1.0596
Batch 37/248, train_loss: 0.7279, step time: 1.0419
Batch 38/248, train_loss: 0.7510, step time: 1.0475
Batch 39/248, train_loss: 0.6982, step time: 1.0414
Batch 40/248, train_loss: 0.9964, step time: 1.0515
Batch 41/248, train_loss: 0.7333, step time: 1.0524
Batch 42/248, train_loss: 0.6782, step time: 1.0585
Batch 43/248, train_loss: 0.6486, step time: 1.0696
Batch 44/248, train_loss: 0.7112, step time: 1.0638
Batch 45/248, train_loss: 0.8695, step time: 1.0563
Batch 46/248, train_loss: 0.7281, step time: 1.0668
Batch 47/248, train_loss: 0.6872, step time: 1.0703
Batch 48/248, train_loss: 0.7394, step time: 1.0671
Batch 49/248, train_loss: 0.7835, step time: 1.0405
Batch 50/248, train_loss: 0.7029, step time: 1.0480
Batch 51/248, train_loss: 0.7180, step time: 1.0445
Batch 52/248, train_loss: 0.6976, step time: 1.0610
Batch 53/248, train_loss: 0.7653, step time: 1.0616
Batch 54/248, train_loss: 0.7451, step time: 1.0540
Batch 55/248, train_loss: 0.7376, step time: 1.0639
Batch 56/248, train_loss: 0.7190, step time: 1.0637
Batch 57/248, train_loss: 0.7307, step time: 1.0434
Batch 58/248, train_loss: 0.6762, step time: 1.0452
Batch 59/248, train_loss: 0.6799, step time: 1.0436
Batch 60/248, train_loss: 0.6655, step time: 1.0422
Batch 61/248, train_loss: 0.6823, step time: 1.0574
Batch 62/248, train_loss: 0.7561, step time: 1.0463
Batch 63/248, train_loss: 0.8361, step time: 1.0657
Batch 64/248, train_loss: 0.7893, step time: 1.0408
Batch 65/248, train_loss: 0.7372, step time: 1.0695
Batch 66/248, train_loss: 0.6979, step time: 1.0421
Batch 67/248, train_loss: 0.6445, step time: 1.0528
Batch 68/248, train_loss: 0.6814, step time: 1.0411
```

Batch 69/248, train_loss: 0.7903, step time: 1.0498
Batch 70/248, train_loss: 0.6994, step time: 1.0487
Batch 71/248, train_loss: 0.6924, step time: 1.0619
Batch 72/248, train_loss: 0.6614, step time: 1.0388
Batch 73/248, train_loss: 0.7265, step time: 1.0582
Batch 74/248, train_loss: 0.9967, step time: 1.0662
Batch 75/248, train_loss: 0.6805, step time: 1.0442
Batch 76/248, train_loss: 0.7849, step time: 1.0567
Batch 77/248, train_loss: 0.8745, step time: 1.0586
Batch 78/248, train_loss: 0.6978, step time: 1.0503
Batch 79/248, train_loss: 0.7081, step time: 1.0445
Batch 80/248, train_loss: 0.7276, step time: 1.0606
Batch 81/248, train_loss: 0.7347, step time: 1.0518
Batch 82/248, train_loss: 0.6766, step time: 1.0623
Batch 83/248, train_loss: 0.8518, step time: 1.0615
Batch 84/248, train_loss: 0.7291, step time: 1.0426
Batch 85/248, train_loss: 0.8153, step time: 1.0407
Batch 86/248, train_loss: 0.7297, step time: 1.0501
Batch 87/248, train_loss: 0.8701, step time: 1.0588
Batch 88/248, train_loss: 0.7699, step time: 1.0570
Batch 89/248, train_loss: 0.6356, step time: 1.0563
Batch 90/248, train_loss: 0.7220, step time: 1.0523
Batch 91/248, train_loss: 0.7871, step time: 1.0494
Batch 92/248, train_loss: 0.7457, step time: 1.0507
Batch 93/248, train_loss: 0.7053, step time: 1.0426
Batch 94/248, train_loss: 0.7361, step time: 1.0526
Batch 95/248, train_loss: 0.7109, step time: 1.0528
Batch 96/248, train_loss: 0.7022, step time: 1.0447
Batch 97/248, train_loss: 0.7931, step time: 1.0610
Batch 98/248, train_loss: 0.6696, step time: 1.0635
Batch 99/248, train_loss: 0.7712, step time: 1.0482
Batch 100/248, train_loss: 0.7486, step time: 1.0588
Batch 101/248, train_loss: 0.6200, step time: 1.0394
Batch 102/248, train_loss: 0.7036, step time: 1.0453
Batch 103/248, train_loss: 0.7687, step time: 1.0609
Batch 104/248, train_loss: 0.7335, step time: 1.0408
Batch 105/248, train_loss: 0.6613, step time: 1.0619
Batch 106/248, train_loss: 0.7058, step time: 1.0534
Batch 107/248, train_loss: 0.7792, step time: 1.0654
Batch 108/248, train_loss: 0.9028, step time: 1.0648
Batch 109/248, train_loss: 0.7968, step time: 1.0564
Batch 110/248, train_loss: 0.7101, step time: 1.0557
Batch 111/248, train_loss: 0.6642, step time: 1.0749
Batch 112/248, train_loss: 0.6798, step time: 1.0600
Batch 113/248, train_loss: 0.9989, step time: 1.0596
Batch 114/248, train_loss: 0.6575, step time: 1.0671
Batch 115/248, train_loss: 0.7092, step time: 1.0579
Batch 116/248, train_loss: 0.6687, step time: 1.0665
Batch 117/248, train_loss: 0.9987, step time: 1.0589
Batch 118/248, train_loss: 0.8364, step time: 1.0639
Batch 119/248, train_loss: 0.7874, step time: 1.0418
Batch 120/248, train_loss: 0.7831, step time: 1.0486
Batch 121/248, train_loss: 0.7390, step time: 1.0458
Batch 122/248, train_loss: 0.8380, step time: 1.0583
Batch 123/248, train_loss: 0.6739, step time: 1.0680
Batch 124/248, train_loss: 0.7532, step time: 1.0624
Batch 125/248, train_loss: 0.8137, step time: 1.0414
Batch 126/248, train_loss: 0.7337, step time: 1.0704
Batch 127/248, train_loss: 0.7041, step time: 1.0475
Batch 128/248, train_loss: 0.7490, step time: 1.0622
Batch 129/248, train_loss: 0.6511, step time: 1.0609
Batch 130/248, train_loss: 0.6540, step time: 1.0363
Batch 131/248, train_loss: 0.8017, step time: 1.0433
Batch 132/248, train_loss: 0.7282, step time: 1.0617
Batch 133/248, train_loss: 0.6294, step time: 1.0582
Batch 134/248, train_loss: 0.7845, step time: 1.0650
Batch 135/248, train_loss: 0.7356, step time: 1.0585
Batch 136/248, train_loss: 0.7008, step time: 1.0411
Batch 137/248, train_loss: 0.6752, step time: 1.0485
Batch 138/248, train_loss: 0.6568, step time: 1.0489
Batch 139/248, train_loss: 0.6954, step time: 1.0371
Batch 140/248, train_loss: 0.7261, step time: 1.0384
Batch 141/248, train_loss: 0.7023, step time: 1.0447
Batch 142/248, train_loss: 0.8864, step time: 1.0419
Batch 143/248, train_loss: 0.7377, step time: 1.0516
Batch 144/248, train_loss: 0.6876, step time: 1.0511
Batch 145/248, train_loss: 0.6059, step time: 1.0572
Batch 146/248, train_loss: 0.7476, step time: 1.0336
Batch 147/248, train_loss: 0.6024, step time: 1.0403
Batch 148/248, train_loss: 0.8345, step time: 1.0368
Batch 149/248, train_loss: 0.7021, step time: 1.0307
Batch 150/248, train_loss: 0.8499, step time: 1.0571
Batch 151/248, train_loss: 0.7476, step time: 1.0479
Batch 152/248, train_loss: 0.6072, step time: 1.0487
Batch 153/248, train_loss: 0.7629, step time: 1.0563

Batch 125/248, train_loss: 0.7729, step time: 1.0555
Batch 154/248, train_loss: 0.7797, step time: 1.0390
Batch 155/248, train_loss: 0.7111, step time: 1.0506
Batch 156/248, train_loss: 0.7221, step time: 1.0482
Batch 157/248, train_loss: 0.7354, step time: 1.0352
Batch 158/248, train_loss: 0.9980, step time: 1.0318
Batch 159/248, train_loss: 0.7626, step time: 1.0595
Batch 160/248, train_loss: 0.6797, step time: 1.0547
Batch 161/248, train_loss: 0.6846, step time: 1.0445
Batch 162/248, train_loss: 0.6041, step time: 1.0465
Batch 163/248, train_loss: 0.7039, step time: 1.0398
Batch 164/248, train_loss: 0.7058, step time: 1.0339
Batch 165/248, train_loss: 0.8552, step time: 1.0506
Batch 166/248, train_loss: 0.6958, step time: 1.0445
Batch 167/248, train_loss: 0.7048, step time: 1.0463
Batch 168/248, train_loss: 0.7107, step time: 1.0361
Batch 169/248, train_loss: 0.6849, step time: 1.0417
Batch 170/248, train_loss: 0.8388, step time: 1.0583
Batch 171/248, train_loss: 0.6402, step time: 1.0569
Batch 172/248, train_loss: 0.8236, step time: 1.0539
Batch 173/248, train_loss: 0.6594, step time: 1.0427
Batch 174/248, train_loss: 0.9672, step time: 1.0458
Batch 175/248, train_loss: 0.6490, step time: 1.0480
Batch 176/248, train_loss: 0.7832, step time: 1.0499
Batch 177/248, train_loss: 0.7397, step time: 1.0350
Batch 178/248, train_loss: 0.7154, step time: 1.0332
Batch 179/248, train_loss: 0.5939, step time: 1.0404
Batch 180/248, train_loss: 0.7815, step time: 1.0357
Batch 181/248, train_loss: 0.6580, step time: 1.0507
Batch 182/248, train_loss: 0.9520, step time: 1.0593
Batch 183/248, train_loss: 0.6805, step time: 1.0334
Batch 184/248, train_loss: 0.7419, step time: 1.0684
Batch 185/248, train_loss: 0.6965, step time: 1.0350
Batch 186/248, train_loss: 0.6825, step time: 1.0399
Batch 187/248, train_loss: 0.6960, step time: 1.0572
Batch 188/248, train_loss: 0.7297, step time: 1.0648
Batch 189/248, train_loss: 0.8209, step time: 1.0569
Batch 190/248, train_loss: 0.6978, step time: 1.0373
Batch 191/248, train_loss: 0.8248, step time: 1.0493
Batch 192/248, train_loss: 0.7266, step time: 1.0576
Batch 193/248, train_loss: 0.7445, step time: 1.0508
Batch 194/248, train_loss: 0.6972, step time: 1.0545
Batch 195/248, train_loss: 0.8122, step time: 1.0609
Batch 196/248, train_loss: 0.9999, step time: 1.0386
Batch 197/248, train_loss: 0.7402, step time: 1.0608
Batch 198/248, train_loss: 0.9812, step time: 1.0747
Batch 199/248, train_loss: 0.7076, step time: 1.0533
Batch 200/248, train_loss: 0.7044, step time: 1.0429
Batch 201/248, train_loss: 0.6984, step time: 1.0463
Batch 202/248, train_loss: 0.8051, step time: 1.0577
Batch 203/248, train_loss: 0.7863, step time: 1.0729
Batch 204/248, train_loss: 0.6642, step time: 1.0490
Batch 205/248, train_loss: 0.7609, step time: 1.0555
Batch 206/248, train_loss: 0.9271, step time: 1.0598
Batch 207/248, train_loss: 0.6701, step time: 1.0675
Batch 208/248, train_loss: 0.7197, step time: 1.0453
Batch 209/248, train_loss: 0.7033, step time: 1.0465
Batch 210/248, train_loss: 0.6670, step time: 1.0419
Batch 211/248, train_loss: 0.6689, step time: 1.0580
Batch 212/248, train_loss: 0.7451, step time: 1.0710
Batch 213/248, train_loss: 0.7050, step time: 1.0399
Batch 214/248, train_loss: 0.6800, step time: 1.0469
Batch 215/248, train_loss: 0.7536, step time: 1.0462
Batch 216/248, train_loss: 0.7252, step time: 1.0495
Batch 217/248, train_loss: 0.7692, step time: 1.0574
Batch 218/248, train_loss: 0.8710, step time: 1.0452
Batch 219/248, train_loss: 0.6838, step time: 1.0736
Batch 220/248, train_loss: 0.7486, step time: 1.0728
Batch 221/248, train_loss: 0.7394, step time: 1.0536
Batch 222/248, train_loss: 0.7267, step time: 1.0607
Batch 223/248, train_loss: 0.6430, step time: 1.0514
Batch 224/248, train_loss: 0.6734, step time: 1.0362
Batch 225/248, train_loss: 0.7283, step time: 1.0487
Batch 226/248, train_loss: 0.7096, step time: 1.0548
Batch 227/248, train_loss: 0.6789, step time: 1.0652
Batch 228/248, train_loss: 0.7161, step time: 1.0443
Batch 229/248, train_loss: 0.6576, step time: 1.0465
Batch 230/248, train_loss: 0.6782, step time: 1.0447
Batch 231/248, train_loss: 0.7398, step time: 1.0598
Batch 232/248, train_loss: 0.6818, step time: 1.0528
Batch 233/248, train_loss: 0.9864, step time: 1.0622
Batch 234/248, train_loss: 0.8280, step time: 1.0644
Batch 235/248, train_loss: 0.7523, step time: 1.0673
Batch 236/248, train_loss: 0.9098, step time: 1.0665
Batch 237/248, train_loss: 0.6808, step time: 1.0674

```
Batch 238/248, train_loss: 0.6822, step time: 1.0566  
Batch 239/248, train_loss: 0.5768, step time: 1.0531  
Batch 240/248, train_loss: 0.7904, step time: 1.0550  
Batch 241/248, train_loss: 0.9337, step time: 1.0619  
Batch 242/248, train_loss: 0.7106, step time: 1.0460  
Batch 243/248, train_loss: 0.8290, step time: 1.0439  
Batch 244/248, train_loss: 0.8053, step time: 1.0384  
Batch 245/248, train_loss: 0.6706, step time: 1.0444  
Batch 246/248, train_loss: 0.8226, step time: 1.0437  
Batch 247/248, train_loss: 0.6178, step time: 1.0521  
Batch 248/248, train_loss: 0.9998, step time: 1.0514
```

Labels



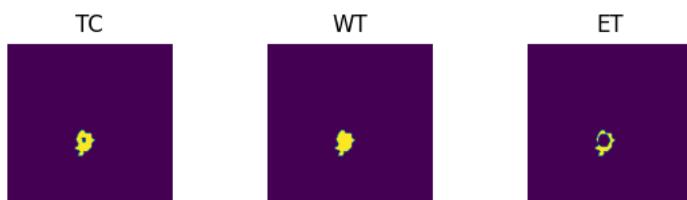
Predictions



VAL

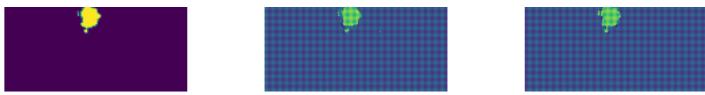
```
Batch 1/31, val_loss: 0.8393  
Batch 2/31, val_loss: 0.8813  
Batch 3/31, val_loss: 0.9281  
Batch 4/31, val_loss: 0.9109  
Batch 5/31, val_loss: 0.9241  
Batch 6/31, val_loss: 0.7071  
Batch 7/31, val_loss: 0.8113  
Batch 8/31, val_loss: 0.8992  
Batch 9/31, val_loss: 0.7229  
Batch 10/31, val_loss: 0.8943  
Batch 11/31, val_loss: 0.7691  
Batch 12/31, val_loss: 0.9175  
Batch 13/31, val_loss: 0.8805  
Batch 14/31, val_loss: 0.9059  
Batch 15/31, val_loss: 0.9387  
Batch 16/31, val_loss: 0.8774  
Batch 17/31, val_loss: 0.8995  
Batch 18/31, val_loss: 0.8849  
Batch 19/31, val_loss: 0.7654  
Batch 20/31, val_loss: 0.8559  
Batch 21/31, val_loss: 0.9118  
Batch 22/31, val_loss: 0.9132  
Batch 23/31, val_loss: 0.9006  
Batch 24/31, val_loss: 0.7404  
Batch 25/31, val_loss: 0.7612  
Batch 26/31, val_loss: 0.8375  
Batch 27/31, val_loss: 0.9314  
Batch 28/31, val_loss: 0.7817  
Batch 29/31, val_loss: 0.9321  
Batch 30/31, val_loss: 0.9180  
Batch 31/31, val_loss: 0.9040
```

Labels



Predictions





```
epoch 38
average train loss: 0.7410
average validation loss: 0.8627
saved as best model: False
current mean dice: 0.1956
current TC dice: 0.5437
current WT dice: 0.0192
current ET dice: 0.0231
Best Mean Metric: 0.1961
time consuming of epoch 38 is: 1726.9139
-----
```

```
epoch 39/100
```

```
TRAIN
```

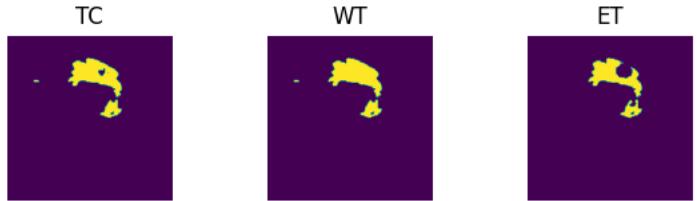
```
Batch 1/248, train_loss: 0.6463, step time: 1.0720
Batch 2/248, train_loss: 0.9219, step time: 1.0699
Batch 3/248, train_loss: 0.7729, step time: 1.0454
Batch 4/248, train_loss: 0.9993, step time: 1.0403
Batch 5/248, train_loss: 0.7398, step time: 1.0593
Batch 6/248, train_loss: 0.7206, step time: 1.0707
Batch 7/248, train_loss: 0.6189, step time: 1.0431
Batch 8/248, train_loss: 0.9051, step time: 1.0485
Batch 9/248, train_loss: 0.6409, step time: 1.0700
Batch 10/248, train_loss: 0.7524, step time: 1.0464
Batch 11/248, train_loss: 0.6917, step time: 1.0404
Batch 12/248, train_loss: 0.7672, step time: 1.0553
Batch 13/248, train_loss: 0.7501, step time: 1.0707
Batch 14/248, train_loss: 0.6038, step time: 1.0546
Batch 15/248, train_loss: 0.7803, step time: 1.0393
Batch 16/248, train_loss: 0.7082, step time: 1.0463
Batch 17/248, train_loss: 0.7236, step time: 1.0521
Batch 18/248, train_loss: 0.7505, step time: 1.0554
Batch 19/248, train_loss: 0.6668, step time: 1.0481
Batch 20/248, train_loss: 0.7263, step time: 1.0700
Batch 21/248, train_loss: 0.6708, step time: 1.0462
Batch 22/248, train_loss: 0.9747, step time: 1.0535
Batch 23/248, train_loss: 0.7808, step time: 1.0757
Batch 24/248, train_loss: 0.6842, step time: 1.0466
Batch 25/248, train_loss: 0.6050, step time: 1.0676
Batch 26/248, train_loss: 0.8031, step time: 1.0573
Batch 27/248, train_loss: 0.6483, step time: 1.0550
Batch 28/248, train_loss: 0.7251, step time: 1.0683
Batch 29/248, train_loss: 0.7761, step time: 1.0654
Batch 30/248, train_loss: 0.7335, step time: 1.0554
Batch 31/248, train_loss: 0.7680, step time: 1.0426
Batch 32/248, train_loss: 0.6784, step time: 1.0642
Batch 33/248, train_loss: 0.6445, step time: 1.0370
Batch 34/248, train_loss: 0.6507, step time: 1.0406
Batch 35/248, train_loss: 0.6719, step time: 1.0386
Batch 36/248, train_loss: 0.7548, step time: 1.0544
Batch 37/248, train_loss: 0.7279, step time: 1.0554
Batch 38/248, train_loss: 0.7476, step time: 1.0425
Batch 39/248, train_loss: 0.7007, step time: 1.0450
Batch 40/248, train_loss: 0.9964, step time: 1.0486
Batch 41/248, train_loss: 0.7210, step time: 1.0708
Batch 42/248, train_loss: 0.6758, step time: 1.0391
Batch 43/248, train_loss: 0.6481, step time: 1.0623
Batch 44/248, train_loss: 0.7072, step time: 1.0577
Batch 45/248, train_loss: 0.8534, step time: 1.0514
Batch 46/248, train_loss: 0.7071, step time: 1.0421
Batch 47/248, train_loss: 0.6848, step time: 1.0390
Batch 48/248, train_loss: 0.7329, step time: 1.0471
Batch 49/248, train_loss: 0.7906, step time: 1.0448
Batch 50/248, train_loss: 0.7094, step time: 1.0610
Batch 51/248, train_loss: 0.7168, step time: 1.0377
Batch 52/248, train_loss: 0.6971, step time: 1.0445
Batch 53/248, train_loss: 0.7702, step time: 1.0344
Batch 54/248, train_loss: 0.7409, step time: 1.0322
Batch 55/248, train_loss: 0.7347, step time: 1.0468
Batch 56/248, train_loss: 0.7382, step time: 1.0447
Batch 57/248, train_loss: 0.7352, step time: 1.0376
Batch 58/248, train_loss: 0.6776, step time: 1.0606
Batch 59/248, train_loss: 0.6775, step time: 1.0609
Batch 60/248, train_loss: 0.6657, step time: 1.0594
Batch 61/248, train_loss: 0.6815, step time: 1.0654
Batch 62/248, train_loss: 0.7519, step time: 1.0632
Batch 63/248, train_loss: 0.8207, step time: 1.0548
Batch 64/248, train_loss: 0.7778, step time: 1.0418
Batch 65/248, train_loss: 0.7476, step time: 1.0425
Batch 66/248, train_loss: 0.6993, step time: 1.0554
Batch 67/248, train_loss: 0.6436, step time: 1.0486
Batch 68/248, train_loss: 0.6712, step time: 1.0700
```

Batch 55/248, train_loss: 0.6745, step time: 1.0209
Batch 69/248, train_loss: 0.7936, step time: 1.0449
Batch 70/248, train_loss: 0.6985, step time: 1.0524
Batch 71/248, train_loss: 0.6833, step time: 1.0344
Batch 72/248, train_loss: 0.6635, step time: 1.0417
Batch 73/248, train_loss: 0.6915, step time: 1.0456
Batch 74/248, train_loss: 0.9973, step time: 1.0421
Batch 75/248, train_loss: 0.6808, step time: 1.0278
Batch 76/248, train_loss: 0.8158, step time: 1.0248
Batch 77/248, train_loss: 0.8583, step time: 1.0503
Batch 78/248, train_loss: 0.6978, step time: 1.0483
Batch 79/248, train_loss: 0.7047, step time: 1.0362
Batch 80/248, train_loss: 0.7211, step time: 1.0238
Batch 81/248, train_loss: 0.7164, step time: 1.0396
Batch 82/248, train_loss: 0.6759, step time: 1.0261
Batch 83/248, train_loss: 0.8606, step time: 1.0399
Batch 84/248, train_loss: 0.7182, step time: 1.0368
Batch 85/248, train_loss: 0.7911, step time: 1.0192
Batch 86/248, train_loss: 0.7265, step time: 1.0247
Batch 87/248, train_loss: 0.7547, step time: 1.0286
Batch 88/248, train_loss: 0.7637, step time: 1.0237
Batch 89/248, train_loss: 0.6364, step time: 1.0250
Batch 90/248, train_loss: 0.7226, step time: 1.0221
Batch 91/248, train_loss: 0.7702, step time: 1.0344
Batch 92/248, train_loss: 0.7516, step time: 1.0307
Batch 93/248, train_loss: 0.6983, step time: 1.0176
Batch 94/248, train_loss: 0.7525, step time: 1.0281
Batch 95/248, train_loss: 0.7098, step time: 1.0229
Batch 96/248, train_loss: 0.7002, step time: 1.0221
Batch 97/248, train_loss: 0.7990, step time: 1.0202
Batch 98/248, train_loss: 0.6676, step time: 1.0427
Batch 99/248, train_loss: 0.7630, step time: 1.0410
Batch 100/248, train_loss: 0.7416, step time: 1.0410
Batch 101/248, train_loss: 0.6175, step time: 1.0409
Batch 102/248, train_loss: 0.6934, step time: 1.1745
Batch 103/248, train_loss: 0.7649, step time: 1.0196
Batch 104/248, train_loss: 0.7230, step time: 1.0426
Batch 105/248, train_loss: 0.6614, step time: 1.0202
Batch 106/248, train_loss: 0.7026, step time: 1.0180
Batch 107/248, train_loss: 0.7435, step time: 1.0297
Batch 108/248, train_loss: 0.8382, step time: 1.0360
Batch 109/248, train_loss: 0.7818, step time: 1.0325
Batch 110/248, train_loss: 0.7090, step time: 1.0454
Batch 111/248, train_loss: 0.6649, step time: 1.0162
Batch 112/248, train_loss: 0.6764, step time: 1.0163
Batch 113/248, train_loss: 0.9985, step time: 1.0164
Batch 114/248, train_loss: 0.6539, step time: 1.0177
Batch 115/248, train_loss: 0.7083, step time: 1.0424
Batch 116/248, train_loss: 0.6615, step time: 1.0315
Batch 117/248, train_loss: 0.8647, step time: 1.0301
Batch 118/248, train_loss: 0.7327, step time: 1.0231
Batch 119/248, train_loss: 0.7360, step time: 1.0394
Batch 120/248, train_loss: 0.7218, step time: 1.0311
Batch 121/248, train_loss: 0.7408, step time: 1.0219
Batch 122/248, train_loss: 0.8031, step time: 1.0444
Batch 123/248, train_loss: 0.6702, step time: 1.0333
Batch 124/248, train_loss: 0.7356, step time: 1.0219
Batch 125/248, train_loss: 0.8043, step time: 1.0484
Batch 126/248, train_loss: 0.7146, step time: 1.0333
Batch 127/248, train_loss: 0.6910, step time: 1.0398
Batch 128/248, train_loss: 0.8007, step time: 1.0348
Batch 129/248, train_loss: 0.6513, step time: 1.0239
Batch 130/248, train_loss: 0.6511, step time: 1.0442
Batch 131/248, train_loss: 0.7824, step time: 1.0213
Batch 132/248, train_loss: 0.7182, step time: 1.0250
Batch 133/248, train_loss: 0.6416, step time: 1.0412
Batch 134/248, train_loss: 0.9259, step time: 1.0287
Batch 135/248, train_loss: 0.7106, step time: 1.0305
Batch 136/248, train_loss: 0.6999, step time: 1.0356
Batch 137/248, train_loss: 0.6754, step time: 1.0429
Batch 138/248, train_loss: 0.6575, step time: 1.0201
Batch 139/248, train_loss: 0.6925, step time: 1.0354
Batch 140/248, train_loss: 0.7261, step time: 1.0450
Batch 141/248, train_loss: 0.6949, step time: 1.0495
Batch 142/248, train_loss: 0.8754, step time: 1.0461
Batch 143/248, train_loss: 0.7352, step time: 1.0325
Batch 144/248, train_loss: 0.6885, step time: 1.0445
Batch 145/248, train_loss: 0.6080, step time: 1.0326
Batch 146/248, train_loss: 0.7416, step time: 1.0395
Batch 147/248, train_loss: 0.6081, step time: 1.0319
Batch 148/248, train_loss: 0.8342, step time: 1.0449
Batch 149/248, train_loss: 0.7062, step time: 1.0421
Batch 150/248, train_loss: 0.8368, step time: 1.0520
Batch 151/248, train_loss: 0.7578, step time: 1.0325
Batch 152/248, train_loss: 0.6077, step time: 1.0557

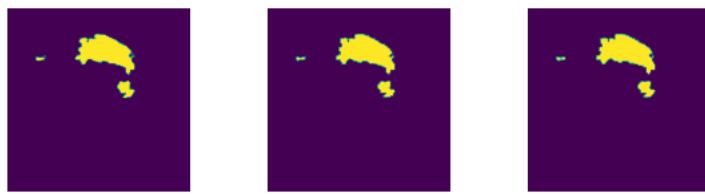
Batch 153/248, train_loss: 0.7477, step time: 1.0620
Batch 154/248, train_loss: 0.7855, step time: 1.0369
Batch 155/248, train_loss: 0.6996, step time: 1.0511
Batch 156/248, train_loss: 0.7294, step time: 1.0621
Batch 157/248, train_loss: 0.7296, step time: 1.0342
Batch 158/248, train_loss: 0.9966, step time: 1.0643
Batch 159/248, train_loss: 0.7758, step time: 1.0515
Batch 160/248, train_loss: 0.6787, step time: 1.0556
Batch 161/248, train_loss: 0.6837, step time: 1.0587
Batch 162/248, train_loss: 0.6014, step time: 1.0469
Batch 163/248, train_loss: 0.7035, step time: 1.0709
Batch 164/248, train_loss: 0.7192, step time: 1.0466
Batch 165/248, train_loss: 0.8302, step time: 1.0528
Batch 166/248, train_loss: 0.6981, step time: 1.0489
Batch 167/248, train_loss: 0.7109, step time: 1.0625
Batch 168/248, train_loss: 0.7102, step time: 1.0679
Batch 169/248, train_loss: 0.6821, step time: 1.0694
Batch 170/248, train_loss: 0.8866, step time: 1.0512
Batch 171/248, train_loss: 0.6433, step time: 1.0689
Batch 172/248, train_loss: 0.8251, step time: 1.0737
Batch 173/248, train_loss: 0.6609, step time: 1.0489
Batch 174/248, train_loss: 0.8759, step time: 1.0586
Batch 175/248, train_loss: 0.6501, step time: 1.0598
Batch 176/248, train_loss: 0.7729, step time: 1.0600
Batch 177/248, train_loss: 0.7436, step time: 1.0468
Batch 178/248, train_loss: 0.7155, step time: 1.0558
Batch 179/248, train_loss: 0.5954, step time: 1.0485
Batch 180/248, train_loss: 0.7741, step time: 1.0545
Batch 181/248, train_loss: 0.6608, step time: 1.0649
Batch 182/248, train_loss: 0.9471, step time: 1.0616
Batch 183/248, train_loss: 0.6796, step time: 1.0565
Batch 184/248, train_loss: 0.7279, step time: 1.0498
Batch 185/248, train_loss: 0.6927, step time: 1.0657
Batch 186/248, train_loss: 0.6788, step time: 1.0623
Batch 187/248, train_loss: 0.6946, step time: 1.0714
Batch 188/248, train_loss: 0.7317, step time: 1.0522
Batch 189/248, train_loss: 0.8118, step time: 1.0491
Batch 190/248, train_loss: 0.7008, step time: 1.0427
Batch 191/248, train_loss: 0.8236, step time: 1.0556
Batch 192/248, train_loss: 0.7315, step time: 1.0578
Batch 193/248, train_loss: 0.7448, step time: 1.0444
Batch 194/248, train_loss: 0.6960, step time: 1.0672
Batch 195/248, train_loss: 0.8121, step time: 1.0543
Batch 196/248, train_loss: 0.9999, step time: 1.0416
Batch 197/248, train_loss: 0.7414, step time: 1.0523
Batch 198/248, train_loss: 0.9819, step time: 1.0455
Batch 199/248, train_loss: 0.7127, step time: 1.0563
Batch 200/248, train_loss: 0.7026, step time: 1.0445
Batch 201/248, train_loss: 0.6969, step time: 1.0682
Batch 202/248, train_loss: 0.7829, step time: 1.0530
Batch 203/248, train_loss: 0.8287, step time: 1.0657
Batch 204/248, train_loss: 0.6638, step time: 1.0407
Batch 205/248, train_loss: 0.7603, step time: 1.0646
Batch 206/248, train_loss: 0.8490, step time: 1.0576
Batch 207/248, train_loss: 0.6672, step time: 1.0424
Batch 208/248, train_loss: 0.7209, step time: 1.0634
Batch 209/248, train_loss: 0.7023, step time: 1.0628
Batch 210/248, train_loss: 0.6678, step time: 1.0493
Batch 211/248, train_loss: 0.6669, step time: 1.0611
Batch 212/248, train_loss: 0.7318, step time: 1.0466
Batch 213/248, train_loss: 0.7066, step time: 1.0721
Batch 214/248, train_loss: 0.6784, step time: 1.0440
Batch 215/248, train_loss: 0.7829, step time: 1.0420
Batch 216/248, train_loss: 0.7191, step time: 1.0434
Batch 217/248, train_loss: 0.7773, step time: 1.0484
Batch 218/248, train_loss: 0.9289, step time: 1.0603
Batch 219/248, train_loss: 0.6822, step time: 1.0657
Batch 220/248, train_loss: 0.7496, step time: 1.0697
Batch 221/248, train_loss: 0.7779, step time: 1.0499
Batch 222/248, train_loss: 0.7377, step time: 1.0681
Batch 223/248, train_loss: 0.6440, step time: 1.0415
Batch 224/248, train_loss: 0.6748, step time: 1.0645
Batch 225/248, train_loss: 0.7280, step time: 1.0480
Batch 226/248, train_loss: 0.7125, step time: 1.0427
Batch 227/248, train_loss: 0.6784, step time: 1.0475
Batch 228/248, train_loss: 0.7165, step time: 1.0563
Batch 229/248, train_loss: 0.6550, step time: 1.0521
Batch 230/248, train_loss: 0.6765, step time: 1.0596
Batch 231/248, train_loss: 0.7537, step time: 1.0777
Batch 232/248, train_loss: 0.6757, step time: 1.0464
Batch 233/248, train_loss: 0.9842, step time: 1.0636
Batch 234/248, train_loss: 0.8206, step time: 1.0682
Batch 235/248, train_loss: 0.7475, step time: 1.0590
Batch 236/248, train_loss: 0.8873, step time: 1.0646
Batch 237/248, train_loss: 0.6794, step time: 1.0740

```
Batch 238/248, train_loss: 0.6840, step time: 1.0479
Batch 239/248, train_loss: 0.5742, step time: 1.0420
Batch 240/248, train_loss: 0.7826, step time: 1.0685
Batch 241/248, train_loss: 0.8706, step time: 1.0614
Batch 242/248, train_loss: 0.7085, step time: 1.0634
Batch 243/248, train_loss: 0.8252, step time: 1.0502
Batch 244/248, train_loss: 0.7976, step time: 1.0554
Batch 245/248, train_loss: 0.6710, step time: 1.0505
Batch 246/248, train_loss: 0.8399, step time: 1.0467
Batch 247/248, train_loss: 0.6174, step time: 1.0467
Batch 248/248, train_loss: 0.9997, step time: 1.0531
```

Labels



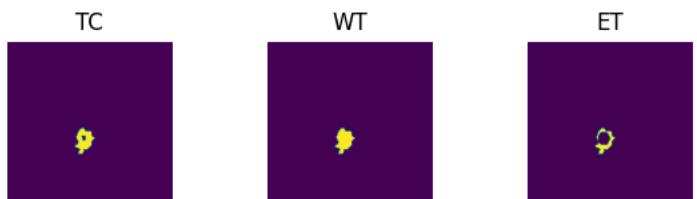
Predictions



VAL

```
Batch 1/31, val_loss: 0.8220
Batch 2/31, val_loss: 0.8770
Batch 3/31, val_loss: 0.9179
Batch 4/31, val_loss: 0.9045
Batch 5/31, val_loss: 0.9187
Batch 6/31, val_loss: 0.6982
Batch 7/31, val_loss: 0.8000
Batch 8/31, val_loss: 0.8920
Batch 9/31, val_loss: 0.7180
Batch 10/31, val_loss: 0.9092
Batch 11/31, val_loss: 0.7651
Batch 12/31, val_loss: 0.9084
Batch 13/31, val_loss: 0.8795
Batch 14/31, val_loss: 0.8924
Batch 15/31, val_loss: 0.9301
Batch 16/31, val_loss: 0.8687
Batch 17/31, val_loss: 0.8911
Batch 18/31, val_loss: 0.8761
Batch 19/31, val_loss: 0.7544
Batch 20/31, val_loss: 0.8458
Batch 21/31, val_loss: 0.9041
Batch 22/31, val_loss: 0.9046
Batch 23/31, val_loss: 0.8888
Batch 24/31, val_loss: 0.7404
Batch 25/31, val_loss: 0.7587
Batch 26/31, val_loss: 0.8307
Batch 27/31, val_loss: 0.9213
Batch 28/31, val_loss: 0.7775
Batch 29/31, val_loss: 0.9220
Batch 30/31, val_loss: 0.9145
Batch 31/31, val_loss: 0.8932
```

Labels



Predictions





```
epoch 39
  average train loss: 0.7377
  average validation loss: 0.8556
  saved as best model: True
  current mean dice: 0.1986
  current TC dice: 0.5513
  current WT dice: 0.0191
  current ET dice: 0.0231
Best Mean Metric: 0.1986
time consuming of epoch 39 is: 1721.0468
```

```
epoch 40/100
```

TRAIN

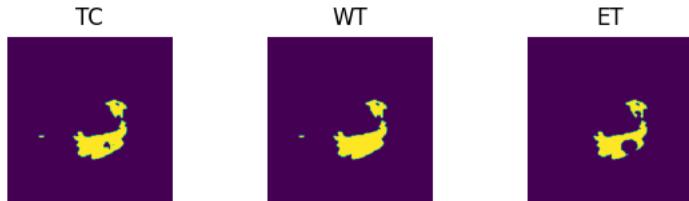
```
Batch 1/248, train_loss: 0.6478, step time: 1.0367
Batch 2/248, train_loss: 0.9143, step time: 1.0270
Batch 3/248, train_loss: 0.7579, step time: 1.0255
Batch 4/248, train_loss: 0.9975, step time: 1.0432
Batch 5/248, train_loss: 0.7279, step time: 1.0448
Batch 6/248, train_loss: 0.7190, step time: 1.0458
Batch 7/248, train_loss: 0.6216, step time: 1.0240
Batch 8/248, train_loss: 0.9120, step time: 1.0239
Batch 9/248, train_loss: 0.6413, step time: 1.0255
Batch 10/248, train_loss: 0.7569, step time: 1.0340
Batch 11/248, train_loss: 0.6935, step time: 1.0331
Batch 12/248, train_loss: 0.7543, step time: 1.0269
Batch 13/248, train_loss: 0.7489, step time: 1.0457
Batch 14/248, train_loss: 0.6051, step time: 1.0387
Batch 15/248, train_loss: 0.7852, step time: 1.0281
Batch 16/248, train_loss: 0.7072, step time: 1.0239
Batch 17/248, train_loss: 0.7277, step time: 1.0485
Batch 18/248, train_loss: 0.7624, step time: 1.0171
Batch 19/248, train_loss: 0.6617, step time: 1.0364
Batch 20/248, train_loss: 0.7279, step time: 1.0291
Batch 21/248, train_loss: 0.6677, step time: 1.0307
Batch 22/248, train_loss: 0.8158, step time: 1.0325
Batch 23/248, train_loss: 0.8107, step time: 1.0381
Batch 24/248, train_loss: 0.6837, step time: 1.0258
Batch 25/248, train_loss: 0.6047, step time: 1.0371
Batch 26/248, train_loss: 0.8151, step time: 1.0457
Batch 27/248, train_loss: 0.6476, step time: 1.0225
Batch 28/248, train_loss: 0.7247, step time: 1.0427
Batch 29/248, train_loss: 0.7957, step time: 1.0195
Batch 30/248, train_loss: 0.7904, step time: 1.0286
Batch 31/248, train_loss: 0.7757, step time: 1.0182
Batch 32/248, train_loss: 0.6814, step time: 1.0195
Batch 33/248, train_loss: 0.6437, step time: 1.0230
Batch 34/248, train_loss: 0.6515, step time: 1.0258
Batch 35/248, train_loss: 0.6720, step time: 1.0244
Batch 36/248, train_loss: 0.7529, step time: 1.0413
Batch 37/248, train_loss: 0.7262, step time: 1.0299
Batch 38/248, train_loss: 0.7529, step time: 1.0381
Batch 39/248, train_loss: 0.7078, step time: 1.0310
Batch 40/248, train_loss: 0.9978, step time: 1.0449
Batch 41/248, train_loss: 0.7136, step time: 1.0406
Batch 42/248, train_loss: 0.6755, step time: 1.0414
Batch 43/248, train_loss: 0.6488, step time: 1.0204
Batch 44/248, train_loss: 0.7020, step time: 1.0165
Batch 45/248, train_loss: 0.8555, step time: 1.0263
Batch 46/248, train_loss: 0.7121, step time: 1.0225
Batch 47/248, train_loss: 0.6837, step time: 1.0294
Batch 48/248, train_loss: 0.7359, step time: 1.0413
Batch 49/248, train_loss: 0.7800, step time: 1.0250
Batch 50/248, train_loss: 0.6995, step time: 1.0248
Batch 51/248, train_loss: 0.7152, step time: 1.0297
Batch 52/248, train_loss: 0.6989, step time: 1.0223
Batch 53/248, train_loss: 0.7688, step time: 1.0207
Batch 54/248, train_loss: 0.7396, step time: 1.0257
Batch 55/248, train_loss: 0.7390, step time: 1.0238
Batch 56/248, train_loss: 0.7228, step time: 1.0184
Batch 57/248, train_loss: 0.7439, step time: 1.0242
Batch 58/248, train_loss: 0.6763, step time: 1.0205
Batch 59/248, train_loss: 0.6780, step time: 1.0329
Batch 60/248, train_loss: 0.6671, step time: 1.0402
Batch 61/248, train_loss: 0.6822, step time: 1.0429
Batch 62/248, train_loss: 0.7552, step time: 1.0334
Batch 63/248, train_loss: 0.8081, step time: 1.0383
Batch 64/248, train_loss: 0.7798, step time: 1.0465
Batch 65/248, train_loss: 0.7359, step time: 1.0411
Batch 66/248, train_loss: 0.6993, step time: 1.0348
Batch 67/248, train_loss: 0.6421, step time: 1.0269
```

Batch 68/248, train_loss: 0.6759, step time: 1.0299
Batch 69/248, train_loss: 0.7808, step time: 1.0256
Batch 70/248, train_loss: 0.6983, step time: 1.0409
Batch 71/248, train_loss: 0.6859, step time: 1.0255
Batch 72/248, train_loss: 0.6633, step time: 1.0290
Batch 73/248, train_loss: 0.6930, step time: 1.0215
Batch 74/248, train_loss: 0.9973, step time: 1.0389
Batch 75/248, train_loss: 0.6812, step time: 1.0248
Batch 76/248, train_loss: 0.8010, step time: 1.0206
Batch 77/248, train_loss: 0.8363, step time: 1.0378
Batch 78/248, train_loss: 0.6973, step time: 1.0373
Batch 79/248, train_loss: 0.7041, step time: 1.0230
Batch 80/248, train_loss: 0.7219, step time: 1.0361
Batch 81/248, train_loss: 0.7210, step time: 1.0403
Batch 82/248, train_loss: 0.6763, step time: 1.0401
Batch 83/248, train_loss: 0.8504, step time: 1.0431
Batch 84/248, train_loss: 0.7218, step time: 1.0407
Batch 85/248, train_loss: 0.7547, step time: 1.0225
Batch 86/248, train_loss: 0.7260, step time: 1.0352
Batch 87/248, train_loss: 0.7545, step time: 1.0392
Batch 88/248, train_loss: 0.7738, step time: 1.0240
Batch 89/248, train_loss: 0.6351, step time: 1.0371
Batch 90/248, train_loss: 0.7226, step time: 1.0306
Batch 91/248, train_loss: 0.7700, step time: 1.0239
Batch 92/248, train_loss: 0.7644, step time: 1.0455
Batch 93/248, train_loss: 0.7011, step time: 1.0224
Batch 94/248, train_loss: 0.7290, step time: 1.0294
Batch 95/248, train_loss: 0.7127, step time: 1.0172
Batch 96/248, train_loss: 0.7015, step time: 1.0310
Batch 97/248, train_loss: 0.7356, step time: 1.0267
Batch 98/248, train_loss: 0.6656, step time: 1.0444
Batch 99/248, train_loss: 0.7626, step time: 1.0188
Batch 100/248, train_loss: 0.7526, step time: 1.0467
Batch 101/248, train_loss: 0.6175, step time: 1.0284
Batch 102/248, train_loss: 0.6947, step time: 1.0218
Batch 103/248, train_loss: 0.7673, step time: 1.0426
Batch 104/248, train_loss: 0.7163, step time: 1.0270
Batch 105/248, train_loss: 0.6633, step time: 1.0248
Batch 106/248, train_loss: 0.7015, step time: 1.0394
Batch 107/248, train_loss: 0.7459, step time: 1.0419
Batch 108/248, train_loss: 0.8522, step time: 1.0224
Batch 109/248, train_loss: 0.7442, step time: 1.0255
Batch 110/248, train_loss: 0.7118, step time: 1.0396
Batch 111/248, train_loss: 0.6650, step time: 1.0254
Batch 112/248, train_loss: 0.6717, step time: 1.0207
Batch 113/248, train_loss: 0.9984, step time: 1.0219
Batch 114/248, train_loss: 0.6540, step time: 1.0455
Batch 115/248, train_loss: 0.7070, step time: 1.0254
Batch 116/248, train_loss: 0.6584, step time: 1.0278
Batch 117/248, train_loss: 0.8863, step time: 1.0249
Batch 118/248, train_loss: 0.7209, step time: 1.0383
Batch 119/248, train_loss: 0.7343, step time: 1.0188
Batch 120/248, train_loss: 0.7232, step time: 1.0414
Batch 121/248, train_loss: 0.7447, step time: 1.0203
Batch 122/248, train_loss: 0.8065, step time: 1.0208
Batch 123/248, train_loss: 0.6689, step time: 1.0185
Batch 124/248, train_loss: 0.7415, step time: 1.0338
Batch 125/248, train_loss: 0.8055, step time: 1.0296
Batch 126/248, train_loss: 0.7024, step time: 1.0238
Batch 127/248, train_loss: 0.6923, step time: 1.0344
Batch 128/248, train_loss: 0.7282, step time: 1.0435
Batch 129/248, train_loss: 0.6551, step time: 1.0408
Batch 130/248, train_loss: 0.6482, step time: 1.0312
Batch 131/248, train_loss: 0.7471, step time: 1.0404
Batch 132/248, train_loss: 0.7273, step time: 1.0216
Batch 133/248, train_loss: 0.6339, step time: 1.0382
Batch 134/248, train_loss: 0.8000, step time: 1.0342
Batch 135/248, train_loss: 0.7153, step time: 1.0348
Batch 136/248, train_loss: 0.6985, step time: 1.0412
Batch 137/248, train_loss: 0.6792, step time: 1.0364
Batch 138/248, train_loss: 0.6548, step time: 1.0214
Batch 139/248, train_loss: 0.7030, step time: 1.0215
Batch 140/248, train_loss: 0.7373, step time: 1.0210
Batch 141/248, train_loss: 0.6973, step time: 1.0215
Batch 142/248, train_loss: 0.9032, step time: 1.0217
Batch 143/248, train_loss: 0.7366, step time: 1.0257
Batch 144/248, train_loss: 0.6884, step time: 1.0168
Batch 145/248, train_loss: 0.6070, step time: 1.0410
Batch 146/248, train_loss: 0.7577, step time: 1.0462
Batch 147/248, train_loss: 0.6056, step time: 1.0407
Batch 148/248, train_loss: 0.8432, step time: 1.0224
Batch 149/248, train_loss: 0.7036, step time: 1.0238
Batch 150/248, train_loss: 0.8493, step time: 1.0432
Batch 151/248, train_loss: 0.7761, step time: 1.0177
Batch 152/248, train_loss: 0.6078, step time: 1.0227

Batch 153/248, train_loss: 0.7282, step time: 1.0355
Batch 154/248, train_loss: 0.7648, step time: 1.0250
Batch 155/248, train_loss: 0.7056, step time: 1.0414
Batch 156/248, train_loss: 0.7013, step time: 1.0253
Batch 157/248, train_loss: 0.7357, step time: 1.0196
Batch 158/248, train_loss: 0.9995, step time: 1.0444
Batch 159/248, train_loss: 0.7643, step time: 1.0215
Batch 160/248, train_loss: 0.6902, step time: 1.0394
Batch 161/248, train_loss: 0.6971, step time: 1.0202
Batch 162/248, train_loss: 0.5943, step time: 1.0175
Batch 163/248, train_loss: 0.7209, step time: 1.0233
Batch 164/248, train_loss: 0.7298, step time: 1.0224
Batch 165/248, train_loss: 0.9373, step time: 1.0164
Batch 166/248, train_loss: 0.6979, step time: 1.0286
Batch 167/248, train_loss: 0.7083, step time: 1.0410
Batch 168/248, train_loss: 0.7082, step time: 1.0191
Batch 169/248, train_loss: 0.6842, step time: 1.0382
Batch 170/248, train_loss: 0.8583, step time: 1.0460
Batch 171/248, train_loss: 0.6428, step time: 1.0298
Batch 172/248, train_loss: 0.8162, step time: 1.0367
Batch 173/248, train_loss: 0.6623, step time: 1.0210
Batch 174/248, train_loss: 0.9536, step time: 1.0207
Batch 175/248, train_loss: 0.6615, step time: 1.0174
Batch 176/248, train_loss: 0.7776, step time: 1.0172
Batch 177/248, train_loss: 0.7366, step time: 1.0242
Batch 178/248, train_loss: 0.7145, step time: 1.0393
Batch 179/248, train_loss: 0.5924, step time: 1.0299
Batch 180/248, train_loss: 0.7920, step time: 1.0244
Batch 181/248, train_loss: 0.6577, step time: 1.0205
Batch 182/248, train_loss: 0.9564, step time: 1.0399
Batch 183/248, train_loss: 0.6806, step time: 1.0253
Batch 184/248, train_loss: 0.7825, step time: 1.0351
Batch 185/248, train_loss: 0.6967, step time: 1.0398
Batch 186/248, train_loss: 0.6859, step time: 1.0286
Batch 187/248, train_loss: 0.6941, step time: 1.0464
Batch 188/248, train_loss: 0.7289, step time: 1.0265
Batch 189/248, train_loss: 0.8135, step time: 1.0213
Batch 190/248, train_loss: 0.6999, step time: 1.0255
Batch 191/248, train_loss: 0.8224, step time: 1.0202
Batch 192/248, train_loss: 0.7254, step time: 1.0343
Batch 193/248, train_loss: 0.7421, step time: 1.0321
Batch 194/248, train_loss: 0.6951, step time: 1.0403
Batch 195/248, train_loss: 0.9448, step time: 1.0246
Batch 196/248, train_loss: 0.9999, step time: 1.0202
Batch 197/248, train_loss: 0.7412, step time: 1.0182
Batch 198/248, train_loss: 0.9619, step time: 1.0180
Batch 199/248, train_loss: 0.7154, step time: 1.0466
Batch 200/248, train_loss: 0.7061, step time: 1.0168
Batch 201/248, train_loss: 0.6890, step time: 1.0407
Batch 202/248, train_loss: 0.7800, step time: 1.0361
Batch 203/248, train_loss: 0.8280, step time: 1.0310
Batch 204/248, train_loss: 0.6598, step time: 1.0240
Batch 205/248, train_loss: 0.7544, step time: 1.0184
Batch 206/248, train_loss: 0.7794, step time: 1.0386
Batch 207/248, train_loss: 0.6753, step time: 1.0388
Batch 208/248, train_loss: 0.7151, step time: 1.0201
Batch 209/248, train_loss: 0.7018, step time: 1.0442
Batch 210/248, train_loss: 0.6669, step time: 1.0315
Batch 211/248, train_loss: 0.6675, step time: 1.0280
Batch 212/248, train_loss: 0.7379, step time: 1.0168
Batch 213/248, train_loss: 0.7069, step time: 1.0365
Batch 214/248, train_loss: 0.6810, step time: 1.0192
Batch 215/248, train_loss: 0.7658, step time: 1.0316
Batch 216/248, train_loss: 0.7216, step time: 1.0267
Batch 217/248, train_loss: 0.7763, step time: 1.0186
Batch 218/248, train_loss: 0.9082, step time: 1.0252
Batch 219/248, train_loss: 0.6807, step time: 1.0374
Batch 220/248, train_loss: 0.7569, step time: 1.0338
Batch 221/248, train_loss: 0.7679, step time: 1.0272
Batch 222/248, train_loss: 0.7280, step time: 1.0268
Batch 223/248, train_loss: 0.6422, step time: 1.0367
Batch 224/248, train_loss: 0.6765, step time: 1.0190
Batch 225/248, train_loss: 0.7905, step time: 1.0296
Batch 226/248, train_loss: 0.7066, step time: 1.0438
Batch 227/248, train_loss: 0.6789, step time: 1.0248
Batch 228/248, train_loss: 0.7176, step time: 1.0255
Batch 229/248, train_loss: 0.6553, step time: 1.0283
Batch 230/248, train_loss: 0.6773, step time: 1.0180
Batch 231/248, train_loss: 0.7484, step time: 1.0499
Batch 232/248, train_loss: 0.6775, step time: 1.0333
Batch 233/248, train_loss: 0.9827, step time: 1.0211
Batch 234/248, train_loss: 0.8322, step time: 1.0220
Batch 235/248, train_loss: 0.7438, step time: 1.0189
Batch 236/248, train_loss: 0.9034, step time: 1.0223
Batch 237/248, train_loss: 0.6773, step time: 1.0328

```
-- -- -- -- -- -- -- -- -- -- -- --  
Batch 238/248, train_loss: 0.6829, step time: 1.0276  
Batch 239/248, train_loss: 0.5728, step time: 1.0240  
Batch 240/248, train_loss: 0.7699, step time: 1.0194  
Batch 241/248, train_loss: 0.8609, step time: 1.0205  
Batch 242/248, train_loss: 0.7103, step time: 1.0231  
Batch 243/248, train_loss: 0.8170, step time: 1.0231  
Batch 244/248, train_loss: 0.8149, step time: 1.0409  
Batch 245/248, train_loss: 0.6699, step time: 1.0409  
Batch 246/248, train_loss: 0.8315, step time: 1.0241  
Batch 247/248, train_loss: 0.6195, step time: 1.0296  
Batch 248/248, train_loss: 0.9998, step time: 1.0281
```

Labels



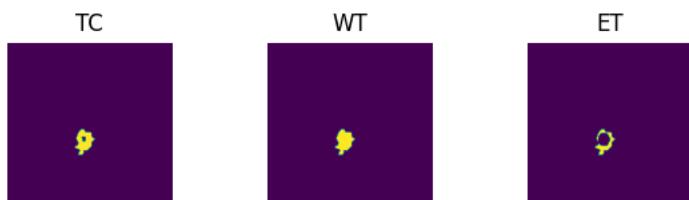
Predictions



VAL

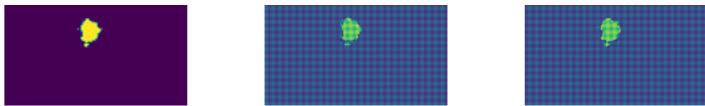
```
Batch 1/31, val_loss: 0.8219  
Batch 2/31, val_loss: 0.8815  
Batch 3/31, val_loss: 0.9165  
Batch 4/31, val_loss: 0.9015  
Batch 5/31, val_loss: 0.9118  
Batch 6/31, val_loss: 0.6941  
Batch 7/31, val_loss: 0.7958  
Batch 8/31, val_loss: 0.8857  
Batch 9/31, val_loss: 0.7150  
Batch 10/31, val_loss: 0.9013  
Batch 11/31, val_loss: 0.7609  
Batch 12/31, val_loss: 0.9047  
Batch 13/31, val_loss: 0.8777  
Batch 14/31, val_loss: 0.8894  
Batch 15/31, val_loss: 0.9281  
Batch 16/31, val_loss: 0.8610  
Batch 17/31, val_loss: 0.8885  
Batch 18/31, val_loss: 0.8741  
Batch 19/31, val_loss: 0.7520  
Batch 20/31, val_loss: 0.8517  
Batch 21/31, val_loss: 0.9026  
Batch 22/31, val_loss: 0.8971  
Batch 23/31, val_loss: 0.8866  
Batch 24/31, val_loss: 0.7367  
Batch 25/31, val_loss: 0.7529  
Batch 26/31, val_loss: 0.8241  
Batch 27/31, val_loss: 0.9212  
Batch 28/31, val_loss: 0.7807  
Batch 29/31, val_loss: 0.9230  
Batch 30/31, val_loss: 0.9069  
Batch 31/31, val_loss: 0.8880
```

Labels



Predictions





```
epoch 40
average train loss: 0.7373
average validation loss: 0.8527
saved as best model: False
current mean dice: 0.1933
current TC dice: 0.5365
current WT dice: 0.0212
current ET dice: 0.0232
Best Mean Metric: 0.1986
time consuming of epoch 40 is: 1710.0728
```

```
-----  
epoch 41/100  
TRAIN
```

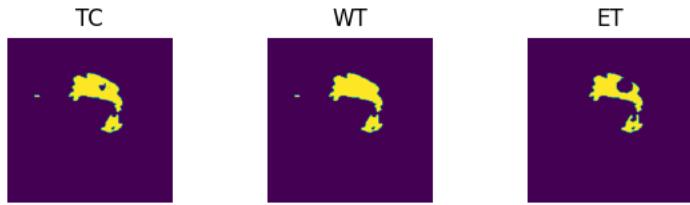
```
Batch 1/248, train_loss: 0.6434, step time: 1.0222
Batch 2/248, train_loss: 0.8882, step time: 1.0312
Batch 3/248, train_loss: 0.7797, step time: 1.0291
Batch 4/248, train_loss: 0.9991, step time: 1.0427
Batch 5/248, train_loss: 0.7244, step time: 1.0330
Batch 6/248, train_loss: 0.7047, step time: 1.0303
Batch 7/248, train_loss: 0.6199, step time: 1.0234
Batch 8/248, train_loss: 0.9150, step time: 1.0189
Batch 9/248, train_loss: 0.6414, step time: 1.0234
Batch 10/248, train_loss: 0.7471, step time: 1.0232
Batch 11/248, train_loss: 0.6901, step time: 1.0418
Batch 12/248, train_loss: 0.7524, step time: 1.0266
Batch 13/248, train_loss: 0.7399, step time: 1.0325
Batch 14/248, train_loss: 0.6068, step time: 1.0181
Batch 15/248, train_loss: 0.7860, step time: 1.0394
Batch 16/248, train_loss: 0.7099, step time: 1.0163
Batch 17/248, train_loss: 0.7319, step time: 1.0254
Batch 18/248, train_loss: 0.7471, step time: 1.0448
Batch 19/248, train_loss: 0.6593, step time: 1.0461
Batch 20/248, train_loss: 0.7331, step time: 1.0447
Batch 21/248, train_loss: 0.6674, step time: 1.0336
Batch 22/248, train_loss: 0.8160, step time: 1.0378
Batch 23/248, train_loss: 0.8148, step time: 1.0376
Batch 24/248, train_loss: 0.6852, step time: 1.0214
Batch 25/248, train_loss: 0.6036, step time: 1.0440
Batch 26/248, train_loss: 0.7912, step time: 1.0236
Batch 27/248, train_loss: 0.6456, step time: 1.0325
Batch 28/248, train_loss: 0.7194, step time: 1.0246
Batch 29/248, train_loss: 0.7948, step time: 1.0302
Batch 30/248, train_loss: 0.8113, step time: 1.0243
Batch 31/248, train_loss: 0.7719, step time: 1.0195
Batch 32/248, train_loss: 0.6799, step time: 1.0334
Batch 33/248, train_loss: 0.6425, step time: 1.0434
Batch 34/248, train_loss: 0.6512, step time: 1.0306
Batch 35/248, train_loss: 0.6731, step time: 1.0189
Batch 36/248, train_loss: 0.7614, step time: 1.0314
Batch 37/248, train_loss: 0.7267, step time: 1.0171
Batch 38/248, train_loss: 0.7498, step time: 1.0393
Batch 39/248, train_loss: 0.7144, step time: 1.0352
Batch 40/248, train_loss: 0.9955, step time: 1.0212
Batch 41/248, train_loss: 0.7129, step time: 1.0339
Batch 42/248, train_loss: 0.6735, step time: 1.0337
Batch 43/248, train_loss: 0.6501, step time: 1.0178
Batch 44/248, train_loss: 0.7104, step time: 1.0429
Batch 45/248, train_loss: 0.8659, step time: 1.0288
Batch 46/248, train_loss: 0.7163, step time: 1.0317
Batch 47/248, train_loss: 0.6821, step time: 1.0454
Batch 48/248, train_loss: 0.7329, step time: 1.0412
Batch 49/248, train_loss: 0.7620, step time: 1.0271
Batch 50/248, train_loss: 0.7042, step time: 1.0193
Batch 51/248, train_loss: 0.7165, step time: 1.0195
Batch 52/248, train_loss: 0.6940, step time: 1.0327
Batch 53/248, train_loss: 0.7767, step time: 1.0165
Batch 54/248, train_loss: 0.7412, step time: 1.0238
Batch 55/248, train_loss: 0.7382, step time: 1.0247
Batch 56/248, train_loss: 0.7182, step time: 1.0273
Batch 57/248, train_loss: 0.7436, step time: 1.0351
Batch 58/248, train_loss: 0.6756, step time: 1.0259
Batch 59/248, train_loss: 0.6800, step time: 1.0208
Batch 60/248, train_loss: 0.6658, step time: 1.0296
Batch 61/248, train_loss: 0.6807, step time: 1.0327
Batch 62/248, train_loss: 0.7603, step time: 1.0211
Batch 63/248, train_loss: 0.8311, step time: 1.0468
Batch 64/248, train_loss: 0.7776, step time: 1.0191
Batch 65/248, train_loss: 0.7423, step time: 1.0246
Batch 66/248, train_loss: 0.7004, step time: 1.0292
Batch 67/248, train loss: 0.6422, step time: 1.0150
```

Batch 68/248, train_loss: 0.6801, step time: 1.0238
Batch 69/248, train_loss: 0.8723, step time: 1.0310
Batch 70/248, train_loss: 0.6987, step time: 1.0337
Batch 71/248, train_loss: 0.6814, step time: 1.0408
Batch 72/248, train_loss: 0.6607, step time: 1.0216
Batch 73/248, train_loss: 0.6886, step time: 1.0213
Batch 74/248, train_loss: 0.9980, step time: 1.0154
Batch 75/248, train_loss: 0.6810, step time: 1.0373
Batch 76/248, train_loss: 0.8288, step time: 1.0215
Batch 77/248, train_loss: 0.8714, step time: 1.0431
Batch 78/248, train_loss: 0.7030, step time: 1.0261
Batch 79/248, train_loss: 0.7166, step time: 1.0390
Batch 80/248, train_loss: 0.7252, step time: 1.0357
Batch 81/248, train_loss: 0.7420, step time: 1.0207
Batch 82/248, train_loss: 0.6773, step time: 1.0194
Batch 83/248, train_loss: 0.8651, step time: 1.0240
Batch 84/248, train_loss: 0.7292, step time: 1.0191
Batch 85/248, train_loss: 0.7650, step time: 1.0334
Batch 86/248, train_loss: 0.7277, step time: 1.0353
Batch 87/248, train_loss: 0.7624, step time: 1.0218
Batch 88/248, train_loss: 0.7942, step time: 1.0231
Batch 89/248, train_loss: 0.6364, step time: 1.0250
Batch 90/248, train_loss: 0.7203, step time: 1.0160
Batch 91/248, train_loss: 0.7755, step time: 1.0368
Batch 92/248, train_loss: 0.7533, step time: 1.0305
Batch 93/248, train_loss: 0.6977, step time: 1.0231
Batch 94/248, train_loss: 0.7647, step time: 1.0379
Batch 95/248, train_loss: 0.7102, step time: 1.0326
Batch 96/248, train_loss: 0.7050, step time: 1.0479
Batch 97/248, train_loss: 0.7272, step time: 1.0289
Batch 98/248, train_loss: 0.6681, step time: 1.0401
Batch 99/248, train_loss: 0.7664, step time: 1.0321
Batch 100/248, train_loss: 0.7409, step time: 1.0345
Batch 101/248, train_loss: 0.6210, step time: 1.0229
Batch 102/248, train_loss: 0.6920, step time: 1.0436
Batch 103/248, train_loss: 0.7626, step time: 1.0206
Batch 104/248, train_loss: 0.7288, step time: 1.0362
Batch 105/248, train_loss: 0.6610, step time: 1.0303
Batch 106/248, train_loss: 0.7046, step time: 1.0303
Batch 107/248, train_loss: 0.7399, step time: 1.0325
Batch 108/248, train_loss: 0.7953, step time: 1.0295
Batch 109/248, train_loss: 0.7679, step time: 1.0368
Batch 110/248, train_loss: 0.7246, step time: 1.0311
Batch 111/248, train_loss: 0.6617, step time: 1.0186
Batch 112/248, train_loss: 0.6752, step time: 1.0319
Batch 113/248, train_loss: 0.9864, step time: 1.0231
Batch 114/248, train_loss: 0.6523, step time: 1.0356
Batch 115/248, train_loss: 0.7033, step time: 1.0350
Batch 116/248, train_loss: 0.6593, step time: 1.0201
Batch 117/248, train_loss: 0.9618, step time: 1.0251
Batch 118/248, train_loss: 0.7089, step time: 1.0366
Batch 119/248, train_loss: 0.7291, step time: 1.0339
Batch 120/248, train_loss: 0.7320, step time: 1.0187
Batch 121/248, train_loss: 0.7469, step time: 1.0418
Batch 122/248, train_loss: 0.7797, step time: 1.0245
Batch 123/248, train_loss: 0.6732, step time: 1.0254
Batch 124/248, train_loss: 0.7348, step time: 1.0212
Batch 125/248, train_loss: 0.8096, step time: 1.0411
Batch 126/248, train_loss: 0.7064, step time: 1.0174
Batch 127/248, train_loss: 0.6947, step time: 1.0384
Batch 128/248, train_loss: 0.7481, step time: 1.0277
Batch 129/248, train_loss: 0.6515, step time: 1.0243
Batch 130/248, train_loss: 0.6485, step time: 1.0284
Batch 131/248, train_loss: 0.8187, step time: 1.0355
Batch 132/248, train_loss: 0.7309, step time: 1.0169
Batch 133/248, train_loss: 0.6323, step time: 1.0268
Batch 134/248, train_loss: 0.8724, step time: 1.0408
Batch 135/248, train_loss: 0.7082, step time: 1.0324
Batch 136/248, train_loss: 0.7020, step time: 1.0418
Batch 137/248, train_loss: 0.6768, step time: 1.0379
Batch 138/248, train_loss: 0.6555, step time: 1.0221
Batch 139/248, train_loss: 0.7012, step time: 1.0373
Batch 140/248, train_loss: 0.7220, step time: 1.0224
Batch 141/248, train_loss: 0.6984, step time: 1.0225
Batch 142/248, train_loss: 0.8951, step time: 1.0251
Batch 143/248, train_loss: 0.7304, step time: 1.0396
Batch 144/248, train_loss: 0.6875, step time: 1.0266
Batch 145/248, train_loss: 0.6089, step time: 1.0227
Batch 146/248, train_loss: 0.7623, step time: 1.0183
Batch 147/248, train_loss: 0.6001, step time: 1.0292
Batch 148/248, train_loss: 0.8420, step time: 1.0196
Batch 149/248, train_loss: 0.7030, step time: 1.0300
Batch 150/248, train_loss: 0.8379, step time: 1.0420
Batch 151/248, train_loss: 0.7447, step time: 1.0389
Batch 152/248, train_loss: 0.6082, step time: 1.0170

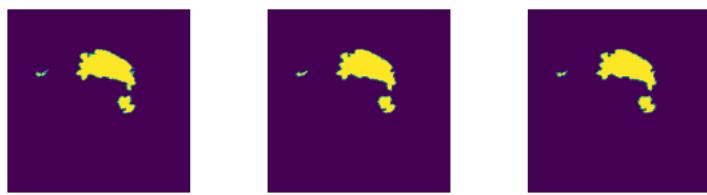
```
Batch 122/248, train_loss: 0.0005, step time: 1.0177  
Batch 153/248, train_loss: 0.7307, step time: 1.0406  
Batch 154/248, train_loss: 0.7646, step time: 1.0422  
Batch 155/248, train_loss: 0.7016, step time: 1.0357  
Batch 156/248, train_loss: 0.7072, step time: 1.0293  
Batch 157/248, train_loss: 0.7373, step time: 1.0173  
Batch 158/248, train_loss: 0.9984, step time: 1.0183  
Batch 159/248, train_loss: 0.7474, step time: 1.0199  
Batch 160/248, train_loss: 0.6813, step time: 1.0178  
Batch 161/248, train_loss: 0.6806, step time: 1.0332  
Batch 162/248, train_loss: 0.5991, step time: 1.0327  
Batch 163/248, train_loss: 0.7095, step time: 1.0237  
Batch 164/248, train_loss: 0.7133, step time: 1.0210  
Batch 165/248, train_loss: 0.9314, step time: 1.0330  
Batch 166/248, train_loss: 0.6948, step time: 1.0341  
Batch 167/248, train_loss: 0.7137, step time: 1.0268  
Batch 168/248, train_loss: 0.7111, step time: 1.0367  
Batch 169/248, train_loss: 0.6840, step time: 1.0190  
Batch 170/248, train_loss: 0.8717, step time: 1.0432  
Batch 171/248, train_loss: 0.6403, step time: 1.0318  
Batch 172/248, train_loss: 0.8273, step time: 1.0243  
Batch 173/248, train_loss: 0.6621, step time: 1.0288  
Batch 174/248, train_loss: 0.9603, step time: 1.0291  
Batch 175/248, train_loss: 0.6560, step time: 1.0242  
Batch 176/248, train_loss: 0.7820, step time: 1.0328  
Batch 177/248, train_loss: 0.7459, step time: 1.0454  
Batch 178/248, train_loss: 0.7089, step time: 1.0316  
Batch 179/248, train_loss: 0.5957, step time: 1.0161  
Batch 180/248, train_loss: 0.7879, step time: 1.0357  
Batch 181/248, train_loss: 0.6597, step time: 1.0312  
Batch 182/248, train_loss: 0.9551, step time: 1.0359  
Batch 183/248, train_loss: 0.6807, step time: 1.0231  
Batch 184/248, train_loss: 0.7341, step time: 1.0254  
Batch 185/248, train_loss: 0.6945, step time: 1.0319  
Batch 186/248, train_loss: 0.6813, step time: 1.0182  
Batch 187/248, train_loss: 0.6955, step time: 1.0410  
Batch 188/248, train_loss: 0.7316, step time: 1.0443  
Batch 189/248, train_loss: 0.8117, step time: 1.0321  
Batch 190/248, train_loss: 0.7008, step time: 1.0272  
Batch 191/248, train_loss: 0.8284, step time: 1.0286  
Batch 192/248, train_loss: 0.7116, step time: 1.0316  
Batch 193/248, train_loss: 0.7427, step time: 1.0387  
Batch 194/248, train_loss: 0.6934, step time: 1.0399  
Batch 195/248, train_loss: 0.8056, step time: 1.0202  
Batch 196/248, train_loss: 1.0000, step time: 1.0379  
Batch 197/248, train_loss: 0.7426, step time: 1.0291  
Batch 198/248, train_loss: 0.9987, step time: 1.0201  
Batch 199/248, train_loss: 0.7088, step time: 1.0240  
Batch 200/248, train_loss: 0.7032, step time: 1.0357  
Batch 201/248, train_loss: 0.6895, step time: 1.0417  
Batch 202/248, train_loss: 0.7797, step time: 1.0210  
Batch 203/248, train_loss: 0.8168, step time: 1.0311  
Batch 204/248, train_loss: 0.6602, step time: 1.0364  
Batch 205/248, train_loss: 0.7575, step time: 1.0333  
Batch 206/248, train_loss: 0.7261, step time: 1.0242  
Batch 207/248, train_loss: 0.6712, step time: 1.0238  
Batch 208/248, train_loss: 0.7167, step time: 1.0453  
Batch 209/248, train_loss: 0.7024, step time: 1.0391  
Batch 210/248, train_loss: 0.6665, step time: 1.0238  
Batch 211/248, train_loss: 0.6656, step time: 1.0196  
Batch 212/248, train_loss: 0.7326, step time: 1.0316  
Batch 213/248, train_loss: 0.7028, step time: 1.0238  
Batch 214/248, train_loss: 0.6791, step time: 1.0178  
Batch 215/248, train_loss: 0.7643, step time: 1.0415  
Batch 216/248, train_loss: 0.7183, step time: 1.0176  
Batch 217/248, train_loss: 0.7767, step time: 1.0227  
Batch 218/248, train_loss: 0.8716, step time: 1.0405  
Batch 219/248, train_loss: 0.6816, step time: 1.0455  
Batch 220/248, train_loss: 0.7521, step time: 1.0194  
Batch 221/248, train_loss: 0.7371, step time: 1.0334  
Batch 222/248, train_loss: 0.7324, step time: 1.0449  
Batch 223/248, train_loss: 0.6429, step time: 1.0181  
Batch 224/248, train_loss: 0.6739, step time: 1.0197  
Batch 225/248, train_loss: 0.7239, step time: 1.0250  
Batch 226/248, train_loss: 0.7102, step time: 1.0251  
Batch 227/248, train_loss: 0.6802, step time: 1.0204  
Batch 228/248, train_loss: 0.7145, step time: 1.0359  
Batch 229/248, train_loss: 0.6558, step time: 1.0400  
Batch 230/248, train_loss: 0.6764, step time: 1.0352  
Batch 231/248, train_loss: 0.7335, step time: 1.0401  
Batch 232/248, train_loss: 0.6780, step time: 1.0411  
Batch 233/248, train_loss: 0.9892, step time: 1.0385  
Batch 234/248, train_loss: 0.8172, step time: 1.0286  
Batch 235/248, train_loss: 0.7518, step time: 1.0404  
Batch 236/248, train_loss: 0.8935, step time: 1.0450  
- - - - - . . . . . - - - - -
```

```
Batch 237/248, train_loss: 0.6795, step time: 1.0360
Batch 238/248, train_loss: 0.6860, step time: 1.0337
Batch 239/248, train_loss: 0.5711, step time: 1.0422
Batch 240/248, train_loss: 0.7759, step time: 1.0235
Batch 241/248, train_loss: 0.9932, step time: 1.0247
Batch 242/248, train_loss: 0.7070, step time: 1.0430
Batch 243/248, train_loss: 0.8045, step time: 1.0302
Batch 244/248, train_loss: 0.8039, step time: 1.0412
Batch 245/248, train_loss: 0.6720, step time: 1.0433
Batch 246/248, train_loss: 0.7995, step time: 1.0319
Batch 247/248, train_loss: 0.6154, step time: 1.0412
Batch 248/248, train_loss: 0.9999, step time: 1.0386
```

Labels



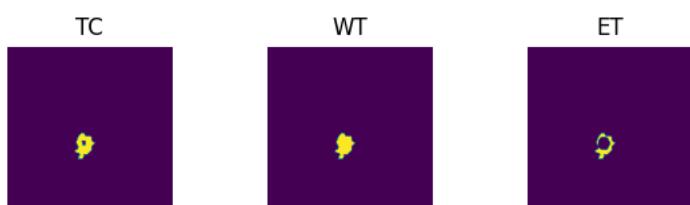
Predictions



VAL

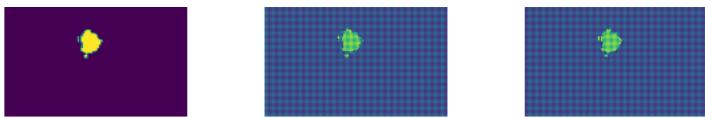
```
Batch 1/31, val_loss: 0.8194
Batch 2/31, val_loss: 0.8827
Batch 3/31, val_loss: 0.9080
Batch 4/31, val_loss: 0.8933
Batch 5/31, val_loss: 0.9022
Batch 6/31, val_loss: 0.6898
Batch 7/31, val_loss: 0.7889
Batch 8/31, val_loss: 0.8782
Batch 9/31, val_loss: 0.7058
Batch 10/31, val_loss: 0.8781
Batch 11/31, val_loss: 0.7610
Batch 12/31, val_loss: 0.8963
Batch 13/31, val_loss: 0.8733
Batch 14/31, val_loss: 0.8789
Batch 15/31, val_loss: 0.9200
Batch 16/31, val_loss: 0.8672
Batch 17/31, val_loss: 0.8830
Batch 18/31, val_loss: 0.8648
Batch 19/31, val_loss: 0.7464
Batch 20/31, val_loss: 0.8324
Batch 21/31, val_loss: 0.8942
Batch 22/31, val_loss: 0.8933
Batch 23/31, val_loss: 0.8812
Batch 24/31, val_loss: 0.7352
Batch 25/31, val_loss: 0.7576
Batch 26/31, val_loss: 0.8240
Batch 27/31, val_loss: 0.9094
Batch 28/31, val_loss: 0.7653
Batch 29/31, val_loss: 0.9146
Batch 30/31, val_loss: 0.9019
Batch 31/31, val_loss: 0.8808
```

Labels



Predictions





```
epoch 41
average train loss: 0.7372
average validation loss: 0.8460
saved as best model: True
current mean dice: 0.1988
current TC dice: 0.5477
current WT dice: 0.0238
current ET dice: 0.0238
Best Mean Metric: 0.1988
time consuming of epoch 41 is: 1706.2654
-----
```

```
epoch 42/100
```

```
TRAIN
```

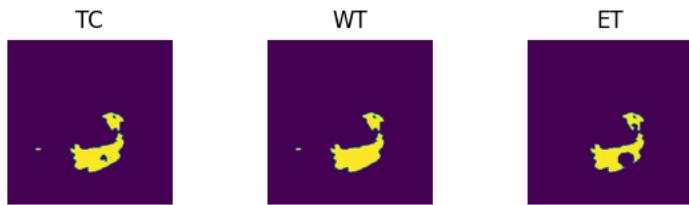
```
Batch 1/248, train_loss: 0.6470, step time: 1.0497
Batch 2/248, train_loss: 0.9385, step time: 1.0231
Batch 3/248, train_loss: 0.7761, step time: 1.0362
Batch 4/248, train_loss: 0.9975, step time: 1.0186
Batch 5/248, train_loss: 0.7226, step time: 1.0230
Batch 6/248, train_loss: 0.7197, step time: 1.0386
Batch 7/248, train_loss: 0.6197, step time: 1.0274
Batch 8/248, train_loss: 0.9049, step time: 1.0452
Batch 9/248, train_loss: 0.6401, step time: 1.0361
Batch 10/248, train_loss: 0.7535, step time: 1.0298
Batch 11/248, train_loss: 0.6918, step time: 1.0311
Batch 12/248, train_loss: 0.7594, step time: 1.0394
Batch 13/248, train_loss: 0.7472, step time: 1.0365
Batch 14/248, train_loss: 0.6042, step time: 1.0348
Batch 15/248, train_loss: 0.7794, step time: 1.0237
Batch 16/248, train_loss: 0.7089, step time: 1.0341
Batch 17/248, train_loss: 0.7271, step time: 1.0330
Batch 18/248, train_loss: 0.7468, step time: 1.0422
Batch 19/248, train_loss: 0.6575, step time: 1.0445
Batch 20/248, train_loss: 0.7228, step time: 1.0208
Batch 21/248, train_loss: 0.6695, step time: 1.0208
Batch 22/248, train_loss: 0.8121, step time: 1.0295
Batch 23/248, train_loss: 0.9265, step time: 1.0373
Batch 24/248, train_loss: 0.6839, step time: 1.0190
Batch 25/248, train_loss: 0.6052, step time: 1.0159
Batch 26/248, train_loss: 0.7970, step time: 1.0443
Batch 27/248, train_loss: 0.6458, step time: 1.0357
Batch 28/248, train_loss: 0.7241, step time: 1.0330
Batch 29/248, train_loss: 0.7753, step time: 1.0287
Batch 30/248, train_loss: 0.7930, step time: 1.0217
Batch 31/248, train_loss: 0.7737, step time: 1.0340
Batch 32/248, train_loss: 0.6784, step time: 1.0207
Batch 33/248, train_loss: 0.6423, step time: 1.0398
Batch 34/248, train_loss: 0.6494, step time: 1.0279
Batch 35/248, train_loss: 0.6728, step time: 1.0390
Batch 36/248, train_loss: 0.7507, step time: 1.0235
Batch 37/248, train_loss: 0.7255, step time: 1.0388
Batch 38/248, train_loss: 0.7485, step time: 1.0265
Batch 39/248, train_loss: 0.7078, step time: 1.0468
Batch 40/248, train_loss: 0.9873, step time: 1.0251
Batch 41/248, train_loss: 0.7279, step time: 1.0246
Batch 42/248, train_loss: 0.6756, step time: 1.0227
Batch 43/248, train_loss: 0.6497, step time: 1.0411
Batch 44/248, train_loss: 0.7205, step time: 1.0308
Batch 45/248, train_loss: 0.8477, step time: 1.0389
Batch 46/248, train_loss: 0.7063, step time: 1.0298
Batch 47/248, train_loss: 0.6841, step time: 1.0232
Batch 48/248, train_loss: 0.7276, step time: 1.0210
Batch 49/248, train_loss: 0.7938, step time: 1.0189
Batch 50/248, train_loss: 0.7042, step time: 1.0285
Batch 51/248, train_loss: 0.7126, step time: 1.0204
Batch 52/248, train_loss: 0.6948, step time: 1.0428
Batch 53/248, train_loss: 0.7698, step time: 1.0460
Batch 54/248, train_loss: 0.7430, step time: 1.0203
Batch 55/248, train_loss: 0.7319, step time: 1.0242
Batch 56/248, train_loss: 0.7204, step time: 1.0393
Batch 57/248, train_loss: 0.7400, step time: 1.0455
Batch 58/248, train_loss: 0.6775, step time: 1.0153
Batch 59/248, train_loss: 0.6762, step time: 1.0244
Batch 60/248, train_loss: 0.6654, step time: 1.0227
Batch 61/248, train_loss: 0.6810, step time: 1.0209
Batch 62/248, train_loss: 0.7561, step time: 1.0250
Batch 63/248, train_loss: 0.8281, step time: 1.0445
Batch 64/248, train_loss: 0.7749, step time: 1.0237
Batch 65/248, train_loss: 0.7437, step time: 1.0337
Batch 66/248, train_loss: 0.6990, step time: 1.0197
Batch 67/248, train_loss: 0.6418, step time: 1.0222
```

Batch 0/248, train_loss: 0.0410, step time: 1.0223
Batch 68/248, train_loss: 0.6789, step time: 1.0161
Batch 69/248, train_loss: 0.7820, step time: 1.0456
Batch 70/248, train_loss: 0.6982, step time: 1.0339
Batch 71/248, train_loss: 0.6800, step time: 1.0437
Batch 72/248, train_loss: 0.6616, step time: 1.0331
Batch 73/248, train_loss: 0.6881, step time: 1.0426
Batch 74/248, train_loss: 0.9968, step time: 1.0175
Batch 75/248, train_loss: 0.6785, step time: 1.0413
Batch 76/248, train_loss: 0.7766, step time: 1.0248
Batch 77/248, train_loss: 0.8396, step time: 1.0197
Batch 78/248, train_loss: 0.7030, step time: 1.0199
Batch 79/248, train_loss: 0.7024, step time: 1.0396
Batch 80/248, train_loss: 0.7228, step time: 1.0307
Batch 81/248, train_loss: 0.7157, step time: 1.0211
Batch 82/248, train_loss: 0.6758, step time: 1.0176
Batch 83/248, train_loss: 0.8492, step time: 1.0255
Batch 84/248, train_loss: 0.7159, step time: 1.0407
Batch 85/248, train_loss: 0.7597, step time: 1.0413
Batch 86/248, train_loss: 0.7313, step time: 1.0297
Batch 87/248, train_loss: 0.7683, step time: 1.0179
Batch 88/248, train_loss: 0.7713, step time: 1.0296
Batch 89/248, train_loss: 0.6348, step time: 1.0168
Batch 90/248, train_loss: 0.7198, step time: 1.0315
Batch 91/248, train_loss: 0.7722, step time: 1.0186
Batch 92/248, train_loss: 0.7499, step time: 1.0364
Batch 93/248, train_loss: 0.6985, step time: 1.0219
Batch 94/248, train_loss: 0.7365, step time: 1.0224
Batch 95/248, train_loss: 0.7112, step time: 1.0271
Batch 96/248, train_loss: 0.6993, step time: 1.0406
Batch 97/248, train_loss: 0.8201, step time: 1.0281
Batch 98/248, train_loss: 0.6662, step time: 1.0337
Batch 99/248, train_loss: 0.7626, step time: 1.0321
Batch 100/248, train_loss: 0.7521, step time: 1.0451
Batch 101/248, train_loss: 0.6174, step time: 1.0229
Batch 102/248, train_loss: 0.6895, step time: 1.0424
Batch 103/248, train_loss: 0.7903, step time: 1.0285
Batch 104/248, train_loss: 0.7243, step time: 1.0240
Batch 105/248, train_loss: 0.6644, step time: 1.0322
Batch 106/248, train_loss: 0.7020, step time: 1.0180
Batch 107/248, train_loss: 0.7342, step time: 1.0394
Batch 108/248, train_loss: 0.8045, step time: 1.0341
Batch 109/248, train_loss: 0.7791, step time: 1.0232
Batch 110/248, train_loss: 0.7076, step time: 1.0218
Batch 111/248, train_loss: 0.6647, step time: 1.0310
Batch 112/248, train_loss: 0.6796, step time: 1.0207
Batch 113/248, train_loss: 0.9943, step time: 1.0434
Batch 114/248, train_loss: 0.6508, step time: 1.0335
Batch 115/248, train_loss: 0.6999, step time: 1.0176
Batch 116/248, train_loss: 0.6612, step time: 1.0286
Batch 117/248, train_loss: 0.8770, step time: 1.0409
Batch 118/248, train_loss: 0.7430, step time: 1.0389
Batch 119/248, train_loss: 0.7287, step time: 1.0343
Batch 120/248, train_loss: 0.7239, step time: 1.0348
Batch 121/248, train_loss: 0.7458, step time: 1.0219
Batch 122/248, train_loss: 0.7808, step time: 1.0274
Batch 123/248, train_loss: 0.6714, step time: 1.0163
Batch 124/248, train_loss: 0.7398, step time: 1.0181
Batch 125/248, train_loss: 0.8111, step time: 1.0162
Batch 126/248, train_loss: 0.6971, step time: 1.0398
Batch 127/248, train_loss: 0.6928, step time: 1.0348
Batch 128/248, train_loss: 0.7402, step time: 1.0307
Batch 129/248, train_loss: 0.6493, step time: 1.0250
Batch 130/248, train_loss: 0.6473, step time: 1.0397
Batch 131/248, train_loss: 0.7693, step time: 1.0316
Batch 132/248, train_loss: 0.7263, step time: 1.0208
Batch 133/248, train_loss: 0.6378, step time: 1.0172
Batch 134/248, train_loss: 0.8601, step time: 1.0281
Batch 135/248, train_loss: 0.7108, step time: 1.0197
Batch 136/248, train_loss: 0.6990, step time: 1.0360
Batch 137/248, train_loss: 0.6770, step time: 1.0260
Batch 138/248, train_loss: 0.6565, step time: 1.0289
Batch 139/248, train_loss: 0.7198, step time: 1.0450
Batch 140/248, train_loss: 0.7306, step time: 1.0454
Batch 141/248, train_loss: 0.7052, step time: 1.0377
Batch 142/248, train_loss: 0.8814, step time: 1.0284
Batch 143/248, train_loss: 0.7318, step time: 1.0296
Batch 144/248, train_loss: 0.6927, step time: 1.0183
Batch 145/248, train_loss: 0.6144, step time: 1.0229
Batch 146/248, train_loss: 0.7533, step time: 1.0416
Batch 147/248, train_loss: 0.6129, step time: 1.0173
Batch 148/248, train_loss: 0.8422, step time: 1.0277
Batch 149/248, train_loss: 0.7224, step time: 1.0204
Batch 150/248, train_loss: 0.8505, step time: 1.0377
Batch 151/248, train_loss: 0.7737, step time: 1.0339

Batch 152/248, train_loss: 0.6172, step time: 1.0372
Batch 153/248, train_loss: 0.7325, step time: 1.0330
Batch 154/248, train_loss: 0.7817, step time: 1.0320
Batch 155/248, train_loss: 0.7059, step time: 1.0216
Batch 156/248, train_loss: 0.7084, step time: 1.0276
Batch 157/248, train_loss: 0.7357, step time: 1.0169
Batch 158/248, train_loss: 0.9988, step time: 1.0440
Batch 159/248, train_loss: 0.7657, step time: 1.0420
Batch 160/248, train_loss: 0.6857, step time: 1.0265
Batch 161/248, train_loss: 0.6789, step time: 1.0238
Batch 162/248, train_loss: 0.6068, step time: 1.0187
Batch 163/248, train_loss: 0.7093, step time: 1.0293
Batch 164/248, train_loss: 0.7174, step time: 1.0254
Batch 165/248, train_loss: 0.8468, step time: 1.0460
Batch 166/248, train_loss: 0.6988, step time: 1.0351
Batch 167/248, train_loss: 0.7081, step time: 1.0390
Batch 168/248, train_loss: 0.7091, step time: 1.0320
Batch 169/248, train_loss: 0.6848, step time: 1.0201
Batch 170/248, train_loss: 0.8368, step time: 1.0243
Batch 171/248, train_loss: 0.6413, step time: 1.0228
Batch 172/248, train_loss: 0.8213, step time: 1.0377
Batch 173/248, train_loss: 0.6582, step time: 1.0308
Batch 174/248, train_loss: 0.9272, step time: 1.0460
Batch 175/248, train_loss: 0.6784, step time: 1.0158
Batch 176/248, train_loss: 0.8045, step time: 1.0210
Batch 177/248, train_loss: 0.7688, step time: 1.0277
Batch 178/248, train_loss: 0.7157, step time: 1.0380
Batch 179/248, train_loss: 0.6043, step time: 1.0455
Batch 180/248, train_loss: 0.8208, step time: 1.0465
Batch 181/248, train_loss: 0.6661, step time: 1.0207
Batch 182/248, train_loss: 0.9585, step time: 1.0268
Batch 183/248, train_loss: 0.6768, step time: 1.0210
Batch 184/248, train_loss: 0.7354, step time: 1.0333
Batch 185/248, train_loss: 0.6967, step time: 1.0235
Batch 186/248, train_loss: 0.6837, step time: 1.0327
Batch 187/248, train_loss: 0.6995, step time: 1.0370
Batch 188/248, train_loss: 0.7383, step time: 1.0381
Batch 189/248, train_loss: 0.8705, step time: 1.0474
Batch 190/248, train_loss: 0.6985, step time: 1.0295
Batch 191/248, train_loss: 0.8137, step time: 1.0249
Batch 192/248, train_loss: 0.7252, step time: 1.0462
Batch 193/248, train_loss: 0.7502, step time: 1.0373
Batch 194/248, train_loss: 0.6944, step time: 1.0336
Batch 195/248, train_loss: 0.8093, step time: 1.0255
Batch 196/248, train_loss: 1.0000, step time: 1.0227
Batch 197/248, train_loss: 0.7357, step time: 1.0425
Batch 198/248, train_loss: 0.9998, step time: 1.0208
Batch 199/248, train_loss: 0.7080, step time: 1.0214
Batch 200/248, train_loss: 0.7031, step time: 1.0177
Batch 201/248, train_loss: 0.6924, step time: 1.0371
Batch 202/248, train_loss: 0.8158, step time: 1.0363
Batch 203/248, train_loss: 0.7845, step time: 1.0238
Batch 204/248, train_loss: 0.6549, step time: 1.0170
Batch 205/248, train_loss: 0.7537, step time: 1.0191
Batch 206/248, train_loss: 0.7887, step time: 1.0238
Batch 207/248, train_loss: 0.6655, step time: 1.0157
Batch 208/248, train_loss: 0.7302, step time: 1.0243
Batch 209/248, train_loss: 0.7031, step time: 1.0249
Batch 210/248, train_loss: 0.6671, step time: 1.0193
Batch 211/248, train_loss: 0.6677, step time: 1.0294
Batch 212/248, train_loss: 0.7429, step time: 1.0471
Batch 213/248, train_loss: 0.7050, step time: 1.0164
Batch 214/248, train_loss: 0.6779, step time: 1.0400
Batch 215/248, train_loss: 0.7674, step time: 1.0218
Batch 216/248, train_loss: 0.7199, step time: 1.0351
Batch 217/248, train_loss: 0.7670, step time: 1.0208
Batch 218/248, train_loss: 0.8890, step time: 1.0317
Batch 219/248, train_loss: 0.6807, step time: 1.0262
Batch 220/248, train_loss: 0.7490, step time: 1.0195
Batch 221/248, train_loss: 0.7333, step time: 1.0443
Batch 222/248, train_loss: 0.7233, step time: 1.0408
Batch 223/248, train_loss: 0.6424, step time: 1.0324
Batch 224/248, train_loss: 0.6729, step time: 1.0190
Batch 225/248, train_loss: 0.7283, step time: 1.0381
Batch 226/248, train_loss: 0.7039, step time: 1.0451
Batch 227/248, train_loss: 0.6797, step time: 1.0299
Batch 228/248, train_loss: 0.7131, step time: 1.0478
Batch 229/248, train_loss: 0.6585, step time: 1.0178
Batch 230/248, train_loss: 0.6756, step time: 1.0234
Batch 231/248, train_loss: 0.7364, step time: 1.0255
Batch 232/248, train_loss: 0.6781, step time: 1.0395
Batch 233/248, train_loss: 0.9880, step time: 1.0214
Batch 234/248, train_loss: 0.8226, step time: 1.0282
Batch 235/248, train_loss: 0.7496, step time: 1.0327
Batch 236/248, train_loss: 0.8997, step time: 1.0323

```
Batch 237/248, train_loss: 0.6826, step time: 1.0190  
Batch 238/248, train_loss: 0.6823, step time: 1.0295  
Batch 239/248, train_loss: 0.5731, step time: 1.0195  
Batch 240/248, train_loss: 0.7874, step time: 1.0237  
Batch 241/248, train_loss: 0.9081, step time: 1.0173  
Batch 242/248, train_loss: 0.7117, step time: 1.0192  
Batch 243/248, train_loss: 0.8135, step time: 1.0311  
Batch 244/248, train_loss: 0.8104, step time: 1.0242  
Batch 245/248, train_loss: 0.6692, step time: 1.0314  
Batch 246/248, train_loss: 0.8261, step time: 1.0269  
Batch 247/248, train_loss: 0.6194, step time: 1.0305  
Batch 248/248, train_loss: 1.0000, step time: 1.0210
```

Labels



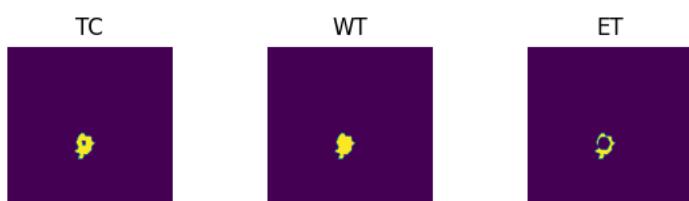
Predictions



VAL

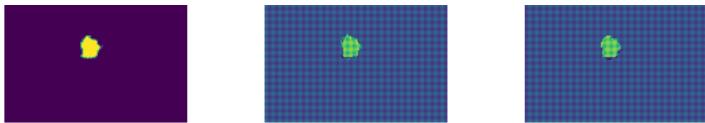
```
Batch 1/31, val_loss: 0.8128  
Batch 2/31, val_loss: 0.8687  
Batch 3/31, val_loss: 0.8939  
Batch 4/31, val_loss: 0.8857  
Batch 5/31, val_loss: 0.8842  
Batch 6/31, val_loss: 0.6851  
Batch 7/31, val_loss: 0.7809  
Batch 8/31, val_loss: 0.8755  
Batch 9/31, val_loss: 0.6979  
Batch 10/31, val_loss: 0.8807  
Batch 11/31, val_loss: 0.7484  
Batch 12/31, val_loss: 0.8852  
Batch 13/31, val_loss: 0.8745  
Batch 14/31, val_loss: 0.8708  
Batch 15/31, val_loss: 0.8981  
Batch 16/31, val_loss: 0.8532  
Batch 17/31, val_loss: 0.8773  
Batch 18/31, val_loss: 0.8585  
Batch 19/31, val_loss: 0.7437  
Batch 20/31, val_loss: 0.8245  
Batch 21/31, val_loss: 0.8788  
Batch 22/31, val_loss: 0.8819  
Batch 23/31, val_loss: 0.8720  
Batch 24/31, val_loss: 0.7156  
Batch 25/31, val_loss: 0.7472  
Batch 26/31, val_loss: 0.8128  
Batch 27/31, val_loss: 0.8980  
Batch 28/31, val_loss: 0.7541  
Batch 29/31, val_loss: 0.9030  
Batch 30/31, val_loss: 0.8860  
Batch 31/31, val_loss: 0.8669
```

Labels



Predictions





```
epoch 42
average train loss: 0.7374
average validation loss: 0.8360
saved as best model: False
current mean dice: 0.1915
current TC dice: 0.5253
current WT dice: 0.0246
current ET dice: 0.0235
Best Mean Metric: 0.1988
time consuming of epoch 42 is: 1721.0095
-----
```

```
epoch 43/100
```

```
TRAIN
```

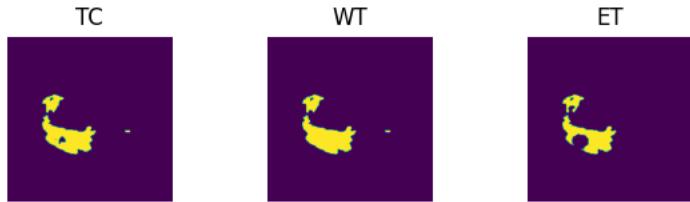
```
Batch 1/248, train_loss: 0.6450, step time: 1.0451
Batch 2/248, train_loss: 0.8943, step time: 1.0441
Batch 3/248, train_loss: 0.7641, step time: 1.0196
Batch 4/248, train_loss: 0.9986, step time: 1.0280
Batch 5/248, train_loss: 0.7215, step time: 1.0322
Batch 6/248, train_loss: 0.7238, step time: 1.0321
Batch 7/248, train_loss: 0.6185, step time: 1.0394
Batch 8/248, train_loss: 0.9017, step time: 1.0353
Batch 9/248, train_loss: 0.6409, step time: 1.0190
Batch 10/248, train_loss: 0.7594, step time: 1.0230
Batch 11/248, train_loss: 0.6965, step time: 1.0177
Batch 12/248, train_loss: 0.7466, step time: 1.0262
Batch 13/248, train_loss: 0.7464, step time: 1.0364
Batch 14/248, train_loss: 0.6037, step time: 1.0250
Batch 15/248, train_loss: 0.7826, step time: 1.0166
Batch 16/248, train_loss: 0.7044, step time: 1.0277
Batch 17/248, train_loss: 0.7229, step time: 1.0419
Batch 18/248, train_loss: 0.7534, step time: 1.0422
Batch 19/248, train_loss: 0.6566, step time: 1.0224
Batch 20/248, train_loss: 0.7319, step time: 1.0282
Batch 21/248, train_loss: 0.6686, step time: 1.0279
Batch 22/248, train_loss: 0.9848, step time: 1.0224
Batch 23/248, train_loss: 0.8106, step time: 1.0414
Batch 24/248, train_loss: 0.6849, step time: 1.0378
Batch 25/248, train_loss: 0.6058, step time: 1.0376
Batch 26/248, train_loss: 0.8048, step time: 1.0250
Batch 27/248, train_loss: 0.6472, step time: 1.0238
Batch 28/248, train_loss: 0.7214, step time: 1.0418
Batch 29/248, train_loss: 0.7915, step time: 1.0163
Batch 30/248, train_loss: 0.7284, step time: 1.0394
Batch 31/248, train_loss: 0.7711, step time: 1.0344
Batch 32/248, train_loss: 0.6796, step time: 1.0202
Batch 33/248, train_loss: 0.6421, step time: 1.0260
Batch 34/248, train_loss: 0.6510, step time: 1.0182
Batch 35/248, train_loss: 0.6730, step time: 1.0211
Batch 36/248, train_loss: 0.7551, step time: 1.0202
Batch 37/248, train_loss: 0.7261, step time: 1.0212
Batch 38/248, train_loss: 0.7485, step time: 1.0270
Batch 39/248, train_loss: 0.7133, step time: 1.0269
Batch 40/248, train_loss: 0.9807, step time: 1.0166
Batch 41/248, train_loss: 0.7170, step time: 1.0233
Batch 42/248, train_loss: 0.6770, step time: 1.0466
Batch 43/248, train_loss: 0.6510, step time: 1.0422
Batch 44/248, train_loss: 0.7018, step time: 1.0448
Batch 45/248, train_loss: 0.9372, step time: 1.0317
Batch 46/248, train_loss: 0.7116, step time: 1.0220
Batch 47/248, train_loss: 0.6833, step time: 1.0238
Batch 48/248, train_loss: 0.7371, step time: 1.0216
Batch 49/248, train_loss: 0.7841, step time: 1.0416
Batch 50/248, train_loss: 0.7016, step time: 1.0354
Batch 51/248, train_loss: 0.7164, step time: 1.0452
Batch 52/248, train_loss: 0.7001, step time: 1.0219
Batch 53/248, train_loss: 0.7655, step time: 1.0177
Batch 54/248, train_loss: 0.7414, step time: 1.0334
Batch 55/248, train_loss: 0.7386, step time: 1.0266
Batch 56/248, train_loss: 0.7223, step time: 1.0417
Batch 57/248, train_loss: 0.7417, step time: 1.0320
Batch 58/248, train_loss: 0.6755, step time: 1.0319
Batch 59/248, train_loss: 0.6762, step time: 1.0366
Batch 60/248, train_loss: 0.6653, step time: 1.0236
Batch 61/248, train_loss: 0.6838, step time: 1.0356
Batch 62/248, train_loss: 0.7581, step time: 1.0304
Batch 63/248, train_loss: 0.8140, step time: 1.0216
Batch 64/248, train_loss: 0.7763, step time: 1.0164
Batch 65/248, train_loss: 0.7382, step time: 1.0231
Batch 66/248, train_loss: 0.7007, step time: 1.0370
```

Batch 67/248, train_loss: 0.6428, step time: 1.0276
Batch 68/248, train_loss: 0.6816, step time: 1.0398
Batch 69/248, train_loss: 0.7880, step time: 1.0267
Batch 70/248, train_loss: 0.6990, step time: 1.0219
Batch 71/248, train_loss: 0.6915, step time: 1.0219
Batch 72/248, train_loss: 0.6620, step time: 1.0183
Batch 73/248, train_loss: 0.7035, step time: 1.0316
Batch 74/248, train_loss: 0.9974, step time: 1.0245
Batch 75/248, train_loss: 0.6814, step time: 1.0366
Batch 76/248, train_loss: 0.7934, step time: 1.0366
Batch 77/248, train_loss: 0.8891, step time: 1.0277
Batch 78/248, train_loss: 0.6975, step time: 1.0260
Batch 79/248, train_loss: 0.7003, step time: 1.0400
Batch 80/248, train_loss: 0.7264, step time: 1.0420
Batch 81/248, train_loss: 0.7221, step time: 1.0201
Batch 82/248, train_loss: 0.6758, step time: 1.0275
Batch 83/248, train_loss: 0.8563, step time: 1.0406
Batch 84/248, train_loss: 0.7117, step time: 1.0435
Batch 85/248, train_loss: 0.7630, step time: 1.0180
Batch 86/248, train_loss: 0.7294, step time: 1.0377
Batch 87/248, train_loss: 0.7668, step time: 1.0280
Batch 88/248, train_loss: 0.7644, step time: 1.0224
Batch 89/248, train_loss: 0.6324, step time: 1.0279
Batch 90/248, train_loss: 0.7219, step time: 1.0427
Batch 91/248, train_loss: 0.7681, step time: 1.0408
Batch 92/248, train_loss: 0.7458, step time: 1.0283
Batch 93/248, train_loss: 0.6995, step time: 1.0189
Batch 94/248, train_loss: 0.7206, step time: 1.0229
Batch 95/248, train_loss: 0.7106, step time: 1.0387
Batch 96/248, train_loss: 0.7007, step time: 1.0188
Batch 97/248, train_loss: 0.7713, step time: 1.0243
Batch 98/248, train_loss: 0.6679, step time: 1.0175
Batch 99/248, train_loss: 0.7651, step time: 1.0415
Batch 100/248, train_loss: 0.7474, step time: 1.0252
Batch 101/248, train_loss: 0.6175, step time: 1.0272
Batch 102/248, train_loss: 0.7004, step time: 1.0284
Batch 103/248, train_loss: 0.7706, step time: 1.0380
Batch 104/248, train_loss: 0.7266, step time: 1.0197
Batch 105/248, train_loss: 0.6627, step time: 1.0166
Batch 106/248, train_loss: 0.7050, step time: 1.0315
Batch 107/248, train_loss: 0.7425, step time: 1.0444
Batch 108/248, train_loss: 0.8502, step time: 1.0381
Batch 109/248, train_loss: 0.7733, step time: 1.0231
Batch 110/248, train_loss: 0.7863, step time: 1.0446
Batch 111/248, train_loss: 0.6628, step time: 1.0221
Batch 112/248, train_loss: 0.6830, step time: 1.0201
Batch 113/248, train_loss: 0.9946, step time: 1.0208
Batch 114/248, train_loss: 0.6528, step time: 1.0352
Batch 115/248, train_loss: 0.7025, step time: 1.0283
Batch 116/248, train_loss: 0.6601, step time: 1.0379
Batch 117/248, train_loss: 0.8777, step time: 1.0466
Batch 118/248, train_loss: 0.7282, step time: 1.0385
Batch 119/248, train_loss: 0.7266, step time: 1.0236
Batch 120/248, train_loss: 0.7320, step time: 1.0201
Batch 121/248, train_loss: 0.7440, step time: 1.0323
Batch 122/248, train_loss: 0.7874, step time: 1.0176
Batch 123/248, train_loss: 0.6705, step time: 1.0309
Batch 124/248, train_loss: 0.7376, step time: 1.0414
Batch 125/248, train_loss: 0.8090, step time: 1.0315
Batch 126/248, train_loss: 0.6979, step time: 1.0240
Batch 127/248, train_loss: 0.6955, step time: 1.0179
Batch 128/248, train_loss: 0.7254, step time: 1.0290
Batch 129/248, train_loss: 0.6513, step time: 1.0281
Batch 130/248, train_loss: 0.6447, step time: 1.0350
Batch 131/248, train_loss: 0.7455, step time: 1.0358
Batch 132/248, train_loss: 0.7215, step time: 1.0408
Batch 133/248, train_loss: 0.6318, step time: 1.0212
Batch 134/248, train_loss: 0.7565, step time: 1.0257
Batch 135/248, train_loss: 0.7112, step time: 1.0317
Batch 136/248, train_loss: 0.6976, step time: 1.0310
Batch 137/248, train_loss: 0.6708, step time: 1.0409
Batch 138/248, train_loss: 0.6559, step time: 1.0237
Batch 139/248, train_loss: 0.6935, step time: 1.0250
Batch 140/248, train_loss: 0.7361, step time: 1.0249
Batch 141/248, train_loss: 0.6919, step time: 1.0268
Batch 142/248, train_loss: 0.8946, step time: 1.0473
Batch 143/248, train_loss: 0.7389, step time: 1.0432
Batch 144/248, train_loss: 0.6874, step time: 1.0226
Batch 145/248, train_loss: 0.6087, step time: 1.0219
Batch 146/248, train_loss: 0.7891, step time: 1.0376
Batch 147/248, train_loss: 0.6017, step time: 1.0333
Batch 148/248, train_loss: 0.8328, step time: 1.0319
Batch 149/248, train_loss: 0.7003, step time: 1.0209
Batch 150/248, train_loss: 0.8440, step time: 1.0239
Batch 151/248, train_loss: 0.7539, step time: 1.0445

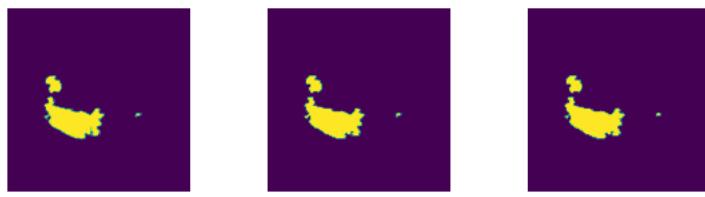
Batch 152/248, train_loss: 0.6061, step time: 1.0317
Batch 153/248, train_loss: 0.7300, step time: 1.0386
Batch 154/248, train_loss: 0.7693, step time: 1.0166
Batch 155/248, train_loss: 0.6969, step time: 1.0315
Batch 156/248, train_loss: 0.7118, step time: 1.0407
Batch 157/248, train_loss: 0.7341, step time: 1.0198
Batch 158/248, train_loss: 0.9991, step time: 1.0263
Batch 159/248, train_loss: 0.7736, step time: 1.0429
Batch 160/248, train_loss: 0.6833, step time: 1.0323
Batch 161/248, train_loss: 0.6846, step time: 1.0396
Batch 162/248, train_loss: 0.5973, step time: 1.0405
Batch 163/248, train_loss: 0.7397, step time: 1.0208
Batch 164/248, train_loss: 0.7108, step time: 1.0173
Batch 165/248, train_loss: 0.8323, step time: 1.0317
Batch 166/248, train_loss: 0.6947, step time: 1.0235
Batch 167/248, train_loss: 0.7074, step time: 1.0203
Batch 168/248, train_loss: 0.7111, step time: 1.0375
Batch 169/248, train_loss: 0.6876, step time: 1.0336
Batch 170/248, train_loss: 0.8448, step time: 1.0184
Batch 171/248, train_loss: 0.6391, step time: 1.0203
Batch 172/248, train_loss: 0.9167, step time: 1.0273
Batch 173/248, train_loss: 0.6650, step time: 1.0210
Batch 174/248, train_loss: 0.9174, step time: 1.0480
Batch 175/248, train_loss: 0.6509, step time: 1.0357
Batch 176/248, train_loss: 0.7815, step time: 1.0331
Batch 177/248, train_loss: 0.7342, step time: 1.0247
Batch 178/248, train_loss: 0.7128, step time: 1.0303
Batch 179/248, train_loss: 0.5907, step time: 1.0235
Batch 180/248, train_loss: 0.7891, step time: 1.0173
Batch 181/248, train_loss: 0.6555, step time: 1.0214
Batch 182/248, train_loss: 0.9603, step time: 1.0405
Batch 183/248, train_loss: 0.6900, step time: 1.0373
Batch 184/248, train_loss: 0.7363, step time: 1.0345
Batch 185/248, train_loss: 0.6968, step time: 1.0270
Batch 186/248, train_loss: 0.6826, step time: 1.0174
Batch 187/248, train_loss: 0.6962, step time: 1.0290
Batch 188/248, train_loss: 0.7274, step time: 1.0168
Batch 189/248, train_loss: 0.8112, step time: 1.0383
Batch 190/248, train_loss: 0.6998, step time: 1.0270
Batch 191/248, train_loss: 0.8184, step time: 1.0356
Batch 192/248, train_loss: 0.7273, step time: 1.0290
Batch 193/248, train_loss: 0.7337, step time: 1.0310
Batch 194/248, train_loss: 0.6935, step time: 1.0272
Batch 195/248, train_loss: 0.8422, step time: 1.0221
Batch 196/248, train_loss: 1.0000, step time: 1.0340
Batch 197/248, train_loss: 0.7382, step time: 1.0329
Batch 198/248, train_loss: 0.8990, step time: 1.0425
Batch 199/248, train_loss: 0.7065, step time: 1.0281
Batch 200/248, train_loss: 0.7008, step time: 1.0279
Batch 201/248, train_loss: 0.6904, step time: 1.0337
Batch 202/248, train_loss: 0.8072, step time: 1.0424
Batch 203/248, train_loss: 0.8205, step time: 1.0223
Batch 204/248, train_loss: 0.6538, step time: 1.0282
Batch 205/248, train_loss: 0.7558, step time: 1.0222
Batch 206/248, train_loss: 0.7699, step time: 1.0290
Batch 207/248, train_loss: 0.6691, step time: 1.0185
Batch 208/248, train_loss: 0.7174, step time: 1.0275
Batch 209/248, train_loss: 0.7038, step time: 1.0310
Batch 210/248, train_loss: 0.6669, step time: 1.0217
Batch 211/248, train_loss: 0.6695, step time: 1.0232
Batch 212/248, train_loss: 0.7274, step time: 1.0385
Batch 213/248, train_loss: 0.7075, step time: 1.0297
Batch 214/248, train_loss: 0.6788, step time: 1.0174
Batch 215/248, train_loss: 0.7454, step time: 1.0356
Batch 216/248, train_loss: 0.7237, step time: 1.0406
Batch 217/248, train_loss: 0.7688, step time: 1.0284
Batch 218/248, train_loss: 0.8963, step time: 1.0364
Batch 219/248, train_loss: 0.6801, step time: 1.0404
Batch 220/248, train_loss: 0.7551, step time: 1.0456
Batch 221/248, train_loss: 0.7333, step time: 1.0239
Batch 222/248, train_loss: 0.7378, step time: 1.0466
Batch 223/248, train_loss: 0.6431, step time: 1.0180
Batch 224/248, train_loss: 0.6738, step time: 1.0222
Batch 225/248, train_loss: 0.7284, step time: 1.0286
Batch 226/248, train_loss: 0.7080, step time: 1.0365
Batch 227/248, train_loss: 0.6807, step time: 1.0432
Batch 228/248, train_loss: 0.7185, step time: 1.0237
Batch 229/248, train_loss: 0.6559, step time: 1.0212
Batch 230/248, train_loss: 0.6760, step time: 1.0173
Batch 231/248, train_loss: 0.7416, step time: 1.0307
Batch 232/248, train_loss: 0.6767, step time: 1.0442
Batch 233/248, train_loss: 0.9818, step time: 1.0177
Batch 234/248, train_loss: 0.8208, step time: 1.0385
Batch 235/248, train_loss: 0.7338, step time: 1.0241
Batch 236/248, train_loss: 0.9993, step time: 1.0211

```
Batch 236/248, train_loss: 0.5905, step time: 1.0511
Batch 237/248, train_loss: 0.6777, step time: 1.0462
Batch 238/248, train_loss: 0.6821, step time: 1.0215
Batch 239/248, train_loss: 0.5682, step time: 1.0209
Batch 240/248, train_loss: 0.7866, step time: 1.0208
Batch 241/248, train_loss: 0.9848, step time: 1.0365
Batch 242/248, train_loss: 0.7079, step time: 1.0173
Batch 243/248, train_loss: 0.8205, step time: 1.0389
Batch 244/248, train_loss: 0.7905, step time: 1.0323
Batch 245/248, train_loss: 0.6690, step time: 1.0374
Batch 246/248, train_loss: 0.8177, step time: 1.0421
Batch 247/248, train_loss: 0.6163, step time: 1.0261
Batch 248/248, train_loss: 0.9995, step time: 1.0158
```

Labels



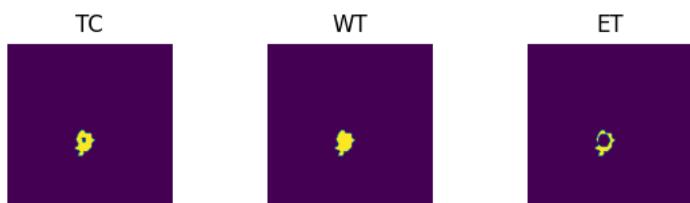
Predictions



VAL

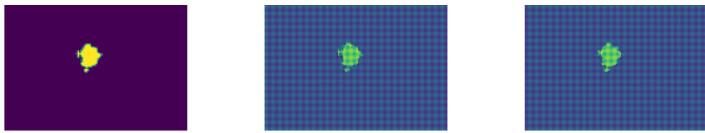
```
Batch 1/31, val_loss: 0.8157
Batch 2/31, val_loss: 0.8780
Batch 3/31, val_loss: 0.8976
Batch 4/31, val_loss: 0.8868
Batch 5/31, val_loss: 0.8947
Batch 6/31, val_loss: 0.6807
Batch 7/31, val_loss: 0.7806
Batch 8/31, val_loss: 0.8720
Batch 9/31, val_loss: 0.6993
Batch 10/31, val_loss: 0.8653
Batch 11/31, val_loss: 0.7524
Batch 12/31, val_loss: 0.8906
Batch 13/31, val_loss: 0.8705
Batch 14/31, val_loss: 0.8743
Batch 15/31, val_loss: 0.9091
Batch 16/31, val_loss: 0.8672
Batch 17/31, val_loss: 0.8771
Batch 18/31, val_loss: 0.8555
Batch 19/31, val_loss: 0.7442
Batch 20/31, val_loss: 0.8229
Batch 21/31, val_loss: 0.8825
Batch 22/31, val_loss: 0.8819
Batch 23/31, val_loss: 0.8739
Batch 24/31, val_loss: 0.7246
Batch 25/31, val_loss: 0.7474
Batch 26/31, val_loss: 0.8285
Batch 27/31, val_loss: 0.8976
Batch 28/31, val_loss: 0.7561
Batch 29/31, val_loss: 0.9055
Batch 30/31, val_loss: 0.8878
Batch 31/31, val_loss: 0.8676
```

Labels



Predictions





```
epoch 43
average train loss: 0.7365
average validation loss: 0.8383
saved as best model: False
current mean dice: 0.1981
current TC dice: 0.5450
current WT dice: 0.0260
current ET dice: 0.0239
Best Mean Metric: 0.1988
time consuming of epoch 43 is: 1698.2387
```

```
-----  
epoch 44/100  
TRAIN
```

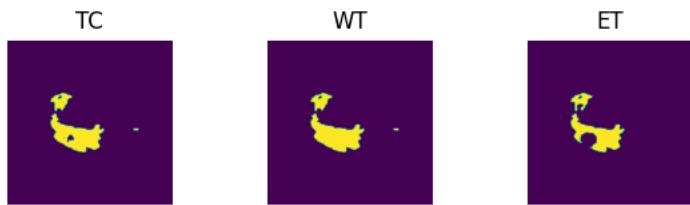
```
Batch 1/248, train_loss: 0.6453, step time: 1.0246
Batch 2/248, train_loss: 0.9209, step time: 1.0377
Batch 3/248, train_loss: 0.7724, step time: 1.0420
Batch 4/248, train_loss: 0.9738, step time: 1.0454
Batch 5/248, train_loss: 0.7242, step time: 1.0294
Batch 6/248, train_loss: 0.7157, step time: 1.0294
Batch 7/248, train_loss: 0.6172, step time: 1.0173
Batch 8/248, train_loss: 0.9046, step time: 1.0397
Batch 9/248, train_loss: 0.6403, step time: 1.0449
Batch 10/248, train_loss: 0.7560, step time: 1.0381
Batch 11/248, train_loss: 0.6982, step time: 1.0335
Batch 12/248, train_loss: 0.7536, step time: 1.0333
Batch 13/248, train_loss: 0.7492, step time: 1.0409
Batch 14/248, train_loss: 0.6034, step time: 1.0251
Batch 15/248, train_loss: 0.7877, step time: 1.0272
Batch 16/248, train_loss: 0.7057, step time: 1.0338
Batch 17/248, train_loss: 0.7328, step time: 1.0454
Batch 18/248, train_loss: 0.7506, step time: 1.0369
Batch 19/248, train_loss: 0.6564, step time: 1.0409
Batch 20/248, train_loss: 0.7484, step time: 1.0465
Batch 21/248, train_loss: 0.6695, step time: 1.0180
Batch 22/248, train_loss: 0.8647, step time: 1.0353
Batch 23/248, train_loss: 0.7739, step time: 1.0353
Batch 24/248, train_loss: 0.6839, step time: 1.0232
Batch 25/248, train_loss: 0.6060, step time: 1.0366
Batch 26/248, train_loss: 0.8161, step time: 1.0186
Batch 27/248, train_loss: 0.6463, step time: 1.0310
Batch 28/248, train_loss: 0.7231, step time: 1.0285
Batch 29/248, train_loss: 0.7755, step time: 1.0355
Batch 30/248, train_loss: 0.7983, step time: 1.0167
Batch 31/248, train_loss: 0.7774, step time: 1.0324
Batch 32/248, train_loss: 0.6797, step time: 1.0224
Batch 33/248, train_loss: 0.6445, step time: 1.0406
Batch 34/248, train_loss: 0.6501, step time: 1.0398
Batch 35/248, train_loss: 0.6723, step time: 1.0249
Batch 36/248, train_loss: 0.7620, step time: 1.0278
Batch 37/248, train_loss: 0.7290, step time: 1.0277
Batch 38/248, train_loss: 0.7501, step time: 1.0224
Batch 39/248, train_loss: 0.7116, step time: 1.0388
Batch 40/248, train_loss: 0.9976, step time: 1.0210
Batch 41/248, train_loss: 0.7368, step time: 1.0285
Batch 42/248, train_loss: 0.6751, step time: 1.0408
Batch 43/248, train_loss: 0.6474, step time: 1.0205
Batch 44/248, train_loss: 0.7012, step time: 1.0226
Batch 45/248, train_loss: 0.9177, step time: 1.0271
Batch 46/248, train_loss: 0.7105, step time: 1.0243
Batch 47/248, train_loss: 0.6860, step time: 1.0222
Batch 48/248, train_loss: 0.7397, step time: 1.0278
Batch 49/248, train_loss: 0.7560, step time: 1.0463
Batch 50/248, train_loss: 0.7061, step time: 1.0184
Batch 51/248, train_loss: 0.7120, step time: 1.0315
Batch 52/248, train_loss: 0.7028, step time: 1.0239
Batch 53/248, train_loss: 0.7616, step time: 1.0369
Batch 54/248, train_loss: 0.7408, step time: 1.0336
Batch 55/248, train_loss: 0.7426, step time: 1.0331
Batch 56/248, train_loss: 0.7216, step time: 1.0395
Batch 57/248, train_loss: 0.7361, step time: 1.0455
Batch 58/248, train_loss: 0.6771, step time: 1.0444
Batch 59/248, train_loss: 0.6793, step time: 1.0344
Batch 60/248, train_loss: 0.6648, step time: 1.0222
Batch 61/248, train_loss: 0.6800, step time: 1.0195
Batch 62/248, train_loss: 0.7531, step time: 1.0250
Batch 63/248, train_loss: 0.8387, step time: 1.0221
Batch 64/248, train_loss: 0.7921, step time: 1.0447
Batch 65/248, train_loss: 0.7305, step time: 1.0334
Batch 66/248, train_loss: 0.7056, step time: 1.0366
```

Batch 67/248, train_loss: 0.6430, step time: 1.0355
Batch 68/248, train_loss: 0.6800, step time: 1.0458
Batch 69/248, train_loss: 0.7879, step time: 1.0309
Batch 70/248, train_loss: 0.6998, step time: 1.0331
Batch 71/248, train_loss: 0.6840, step time: 1.0387
Batch 72/248, train_loss: 0.6616, step time: 1.0393
Batch 73/248, train_loss: 0.6900, step time: 1.0432
Batch 74/248, train_loss: 0.9983, step time: 1.0273
Batch 75/248, train_loss: 0.6829, step time: 1.0330
Batch 76/248, train_loss: 0.7821, step time: 1.0239
Batch 77/248, train_loss: 0.9065, step time: 1.0168
Batch 78/248, train_loss: 0.7014, step time: 1.0208
Batch 79/248, train_loss: 0.7063, step time: 1.0284
Batch 80/248, train_loss: 0.7222, step time: 1.0243
Batch 81/248, train_loss: 0.7240, step time: 1.0352
Batch 82/248, train_loss: 0.6763, step time: 1.0174
Batch 83/248, train_loss: 0.8496, step time: 1.0205
Batch 84/248, train_loss: 0.7231, step time: 1.0270
Batch 85/248, train_loss: 0.7714, step time: 1.0472
Batch 86/248, train_loss: 0.7257, step time: 1.0182
Batch 87/248, train_loss: 0.7793, step time: 1.0436
Batch 88/248, train_loss: 0.7691, step time: 1.0296
Batch 89/248, train_loss: 0.6314, step time: 1.0345
Batch 90/248, train_loss: 0.7368, step time: 1.0468
Batch 91/248, train_loss: 0.7678, step time: 1.0273
Batch 92/248, train_loss: 0.7459, step time: 1.0222
Batch 93/248, train_loss: 0.7027, step time: 1.0298
Batch 94/248, train_loss: 0.7439, step time: 1.0284
Batch 95/248, train_loss: 0.7128, step time: 1.0409
Batch 96/248, train_loss: 0.6998, step time: 1.0309
Batch 97/248, train_loss: 0.7320, step time: 1.0211
Batch 98/248, train_loss: 0.6666, step time: 1.0250
Batch 99/248, train_loss: 0.7631, step time: 1.0260
Batch 100/248, train_loss: 0.8096, step time: 1.0341
Batch 101/248, train_loss: 0.6169, step time: 1.0208
Batch 102/248, train_loss: 0.6909, step time: 1.0238
Batch 103/248, train_loss: 0.7648, step time: 1.0345
Batch 104/248, train_loss: 0.7200, step time: 1.0290
Batch 105/248, train_loss: 0.6614, step time: 1.0240
Batch 106/248, train_loss: 0.7066, step time: 1.0227
Batch 107/248, train_loss: 0.7385, step time: 1.0214
Batch 108/248, train_loss: 0.8700, step time: 1.0324
Batch 109/248, train_loss: 0.7629, step time: 1.0425
Batch 110/248, train_loss: 0.7112, step time: 1.0298
Batch 111/248, train_loss: 0.6612, step time: 1.0277
Batch 112/248, train_loss: 0.6826, step time: 1.0442
Batch 113/248, train_loss: 0.9969, step time: 1.0210
Batch 114/248, train_loss: 0.6554, step time: 1.0206
Batch 115/248, train_loss: 0.7114, step time: 1.0242
Batch 116/248, train_loss: 0.6581, step time: 1.0397
Batch 117/248, train_loss: 0.8538, step time: 1.0401
Batch 118/248, train_loss: 0.7331, step time: 1.0299
Batch 119/248, train_loss: 0.7329, step time: 1.0188
Batch 120/248, train_loss: 0.7258, step time: 1.0353
Batch 121/248, train_loss: 0.7406, step time: 1.0240
Batch 122/248, train_loss: 0.8049, step time: 1.0394
Batch 123/248, train_loss: 0.6686, step time: 1.0232
Batch 124/248, train_loss: 0.7428, step time: 1.0166
Batch 125/248, train_loss: 0.8130, step time: 1.0419
Batch 126/248, train_loss: 0.6942, step time: 1.0167
Batch 127/248, train_loss: 0.6912, step time: 1.0228
Batch 128/248, train_loss: 0.7208, step time: 1.0359
Batch 129/248, train_loss: 0.6531, step time: 1.0285
Batch 130/248, train_loss: 0.6470, step time: 1.0231
Batch 131/248, train_loss: 0.7492, step time: 1.0274
Batch 132/248, train_loss: 0.7279, step time: 1.0183
Batch 133/248, train_loss: 0.6455, step time: 1.0232
Batch 134/248, train_loss: 0.7859, step time: 1.0404
Batch 135/248, train_loss: 0.7128, step time: 1.0285
Batch 136/248, train_loss: 0.6996, step time: 1.0199
Batch 137/248, train_loss: 0.6758, step time: 1.0221
Batch 138/248, train_loss: 0.6550, step time: 1.0242
Batch 139/248, train_loss: 0.6921, step time: 1.0242
Batch 140/248, train_loss: 0.7149, step time: 1.0372
Batch 141/248, train_loss: 0.6958, step time: 1.0191
Batch 142/248, train_loss: 0.8717, step time: 1.0236
Batch 143/248, train_loss: 0.7354, step time: 1.0452
Batch 144/248, train_loss: 0.6886, step time: 1.0293
Batch 145/248, train_loss: 0.6074, step time: 1.0273
Batch 146/248, train_loss: 0.7410, step time: 1.0230
Batch 147/248, train_loss: 0.6013, step time: 1.0293
Batch 148/248, train_loss: 0.8247, step time: 1.0213
Batch 149/248, train_loss: 0.7035, step time: 1.0283
Batch 150/248, train_loss: 0.8361, step time: 1.0366
Batch 151/248, train_loss: 0.7452, step time: 1.0282

Batch 121/248, train_loss: 0.7450, step time: 1.0500
Batch 122/248, train_loss: 0.6075, step time: 1.0172
Batch 123/248, train_loss: 0.7285, step time: 1.0307
Batch 124/248, train_loss: 0.7702, step time: 1.0363
Batch 125/248, train_loss: 0.6948, step time: 1.0186
Batch 126/248, train_loss: 0.7069, step time: 1.0195
Batch 127/248, train_loss: 0.7347, step time: 1.0324
Batch 128/248, train_loss: 0.9991, step time: 1.0223
Batch 129/248, train_loss: 0.7669, step time: 1.0197
Batch 130/248, train_loss: 0.6857, step time: 1.0318
Batch 131/248, train_loss: 0.6830, step time: 1.0461
Batch 132/248, train_loss: 0.5966, step time: 1.0282
Batch 133/248, train_loss: 0.7082, step time: 1.0227
Batch 134/248, train_loss: 0.7139, step time: 1.0458
Batch 135/248, train_loss: 0.8309, step time: 1.0203
Batch 136/248, train_loss: 0.6941, step time: 1.0262
Batch 137/248, train_loss: 0.7101, step time: 1.0243
Batch 138/248, train_loss: 0.7094, step time: 1.0410
Batch 139/248, train_loss: 0.6884, step time: 1.0305
Batch 140/248, train_loss: 0.8087, step time: 1.0419
Batch 141/248, train_loss: 0.6377, step time: 1.0224
Batch 142/248, train_loss: 0.8140, step time: 1.0304
Batch 143/248, train_loss: 0.6642, step time: 1.0317
Batch 144/248, train_loss: 0.8567, step time: 1.0324
Batch 145/248, train_loss: 0.6440, step time: 1.0271
Batch 146/248, train_loss: 0.7794, step time: 1.0294
Batch 147/248, train_loss: 0.7513, step time: 1.0233
Batch 148/248, train_loss: 0.7113, step time: 1.0399
Batch 149/248, train_loss: 0.5908, step time: 1.0455
Batch 150/248, train_loss: 0.7743, step time: 1.0402
Batch 151/248, train_loss: 0.6575, step time: 1.0238
Batch 152/248, train_loss: 0.9537, step time: 1.0227
Batch 153/248, train_loss: 0.6802, step time: 1.0220
Batch 154/248, train_loss: 0.7239, step time: 1.0300
Batch 155/248, train_loss: 0.6930, step time: 1.0341
Batch 156/248, train_loss: 0.6788, step time: 1.0236
Batch 157/248, train_loss: 0.6970, step time: 1.0167
Batch 158/248, train_loss: 0.7320, step time: 1.0412
Batch 159/248, train_loss: 0.8179, step time: 1.0419
Batch 160/248, train_loss: 0.6964, step time: 1.0331
Batch 161/248, train_loss: 0.8206, step time: 1.0211
Batch 162/248, train_loss: 0.7120, step time: 1.0186
Batch 163/248, train_loss: 0.7388, step time: 1.0412
Batch 164/248, train_loss: 0.6910, step time: 1.0302
Batch 165/248, train_loss: 0.8158, step time: 1.0312
Batch 166/248, train_loss: 1.0000, step time: 1.0255
Batch 167/248, train_loss: 0.7350, step time: 1.0473
Batch 168/248, train_loss: 0.8342, step time: 1.0217
Batch 169/248, train_loss: 0.7105, step time: 1.0248
Batch 170/248, train_loss: 0.6989, step time: 1.0380
Batch 171/248, train_loss: 0.6908, step time: 1.0296
Batch 172/248, train_loss: 0.7953, step time: 1.0194
Batch 173/248, train_loss: 0.7692, step time: 1.0227
Batch 174/248, train_loss: 0.6520, step time: 1.0421
Batch 175/248, train_loss: 0.7568, step time: 1.0424
Batch 176/248, train_loss: 0.7875, step time: 1.0312
Batch 177/248, train_loss: 0.6711, step time: 1.0373
Batch 178/248, train_loss: 0.7250, step time: 1.0185
Batch 179/248, train_loss: 0.7061, step time: 1.0250
Batch 180/248, train_loss: 0.6651, step time: 1.0187
Batch 181/248, train_loss: 0.6671, step time: 1.0313
Batch 182/248, train_loss: 0.7330, step time: 1.0230
Batch 183/248, train_loss: 0.7066, step time: 1.0473
Batch 184/248, train_loss: 0.6791, step time: 1.0241
Batch 185/248, train_loss: 0.7665, step time: 1.0305
Batch 186/248, train_loss: 0.7202, step time: 1.0165
Batch 187/248, train_loss: 0.7679, step time: 1.0217
Batch 188/248, train_loss: 0.8665, step time: 1.0279
Batch 189/248, train_loss: 0.6826, step time: 1.0409
Batch 190/248, train_loss: 0.7495, step time: 1.0358
Batch 191/248, train_loss: 0.7356, step time: 1.0264
Batch 192/248, train_loss: 0.7343, step time: 1.0226
Batch 193/248, train_loss: 0.6417, step time: 1.0397
Batch 194/248, train_loss: 0.6710, step time: 1.0394
Batch 195/248, train_loss: 0.7236, step time: 1.0397
Batch 196/248, train_loss: 0.7082, step time: 1.0339
Batch 197/248, train_loss: 0.6778, step time: 1.0189
Batch 198/248, train_loss: 0.7115, step time: 1.0213
Batch 199/248, train_loss: 0.6573, step time: 1.0342
Batch 200/248, train_loss: 0.6774, step time: 1.0370
Batch 201/248, train_loss: 0.7298, step time: 1.0257
Batch 202/248, train_loss: 0.6766, step time: 1.0208
Batch 203/248, train_loss: 0.9822, step time: 1.0263
Batch 204/248, train_loss: 0.8164, step time: 1.0216
Batch 205/248, train_loss: 0.7351, step time: 1.0306

```
Batch 236/248, train_loss: 0.8974, step time: 1.0404  
Batch 237/248, train_loss: 0.6776, step time: 1.0277  
Batch 238/248, train_loss: 0.6840, step time: 1.0453  
Batch 239/248, train_loss: 0.5682, step time: 1.0375  
Batch 240/248, train_loss: 0.7627, step time: 1.0330  
Batch 241/248, train_loss: 0.9271, step time: 1.0217  
Batch 242/248, train_loss: 0.7143, step time: 1.0245  
Batch 243/248, train_loss: 0.8418, step time: 1.0193  
Batch 244/248, train_loss: 0.7947, step time: 1.0403  
Batch 245/248, train_loss: 0.6691, step time: 1.0420  
Batch 246/248, train_loss: 0.8275, step time: 1.0208  
Batch 247/248, train_loss: 0.6179, step time: 1.0198  
Batch 248/248, train_loss: 0.9997, step time: 1.0213
```

Labels



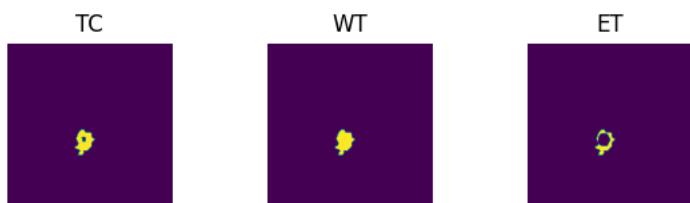
Predictions



VAL

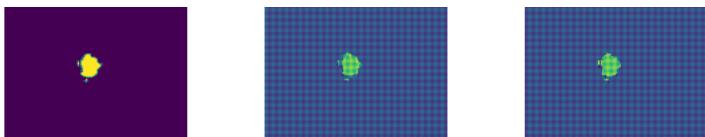
```
Batch 1/31, val_loss: 0.8032  
Batch 2/31, val_loss: 0.8682  
Batch 3/31, val_loss: 0.8840  
Batch 4/31, val_loss: 0.8725  
Batch 5/31, val_loss: 0.8681  
Batch 6/31, val_loss: 0.6806  
Batch 7/31, val_loss: 0.7810  
Batch 8/31, val_loss: 0.8695  
Batch 9/31, val_loss: 0.6932  
Batch 10/31, val_loss: 0.8614  
Batch 11/31, val_loss: 0.7525  
Batch 12/31, val_loss: 0.8657  
Batch 13/31, val_loss: 0.8681  
Batch 14/31, val_loss: 0.8597  
Batch 15/31, val_loss: 0.8729  
Batch 16/31, val_loss: 0.8487  
Batch 17/31, val_loss: 0.8674  
Batch 18/31, val_loss: 0.8466  
Batch 19/31, val_loss: 0.7420  
Batch 20/31, val_loss: 0.8050  
Batch 21/31, val_loss: 0.8710  
Batch 22/31, val_loss: 0.8741  
Batch 23/31, val_loss: 0.8704  
Batch 24/31, val_loss: 0.7229  
Batch 25/31, val_loss: 0.7425  
Batch 26/31, val_loss: 0.8066  
Batch 27/31, val_loss: 0.8846  
Batch 28/31, val_loss: 0.7467  
Batch 29/31, val_loss: 0.8935  
Batch 30/31, val_loss: 0.8715  
Batch 31/31, val_loss: 0.8539
```

Labels



Predictions





```
epoch 44
average train loss: 0.7342
average validation loss: 0.8274
saved as best model: False
current mean dice: 0.1966
current TC dice: 0.5386
current WT dice: 0.0266
current ET dice: 0.0241
Best Mean Metric: 0.1988
time consuming of epoch 44 is: 1729.6551
-----
```

```
epoch 45/100
```

```
TRAIN
```

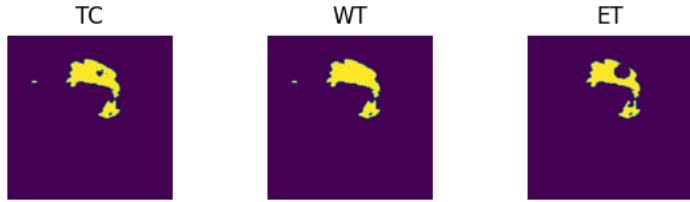
```
Batch 1/248, train_loss: 0.6460, step time: 1.0494
Batch 2/248, train_loss: 0.8890, step time: 1.0402
Batch 3/248, train_loss: 0.7651, step time: 1.0283
Batch 4/248, train_loss: 0.9672, step time: 1.0440
Batch 5/248, train_loss: 0.7250, step time: 1.0229
Batch 6/248, train_loss: 0.7048, step time: 1.0286
Batch 7/248, train_loss: 0.6183, step time: 1.0445
Batch 8/248, train_loss: 0.9020, step time: 1.0177
Batch 9/248, train_loss: 0.6400, step time: 1.0265
Batch 10/248, train_loss: 0.7497, step time: 1.0213
Batch 11/248, train_loss: 0.6970, step time: 1.0374
Batch 12/248, train_loss: 0.7598, step time: 1.0437
Batch 13/248, train_loss: 0.7424, step time: 1.0285
Batch 14/248, train_loss: 0.6036, step time: 1.0257
Batch 15/248, train_loss: 0.7812, step time: 1.0298
Batch 16/248, train_loss: 0.7045, step time: 1.0466
Batch 17/248, train_loss: 0.7228, step time: 1.0437
Batch 18/248, train_loss: 0.7446, step time: 1.0204
Batch 19/248, train_loss: 0.6570, step time: 1.0213
Batch 20/248, train_loss: 0.7268, step time: 1.0276
Batch 21/248, train_loss: 0.6708, step time: 1.0380
Batch 22/248, train_loss: 0.8140, step time: 1.0300
Batch 23/248, train_loss: 0.7713, step time: 1.0209
Batch 24/248, train_loss: 0.6847, step time: 1.0263
Batch 25/248, train_loss: 0.6065, step time: 1.0390
Batch 26/248, train_loss: 0.8156, step time: 1.0276
Batch 27/248, train_loss: 0.6499, step time: 1.0448
Batch 28/248, train_loss: 0.7231, step time: 1.0418
Batch 29/248, train_loss: 0.7720, step time: 1.0333
Batch 30/248, train_loss: 0.8079, step time: 1.0458
Batch 31/248, train_loss: 0.7642, step time: 1.0222
Batch 32/248, train_loss: 0.6800, step time: 1.0416
Batch 33/248, train_loss: 0.6448, step time: 1.0367
Batch 34/248, train_loss: 0.6518, step time: 1.0236
Batch 35/248, train_loss: 0.6731, step time: 1.0409
Batch 36/248, train_loss: 0.7508, step time: 1.0367
Batch 37/248, train_loss: 0.7266, step time: 1.0254
Batch 38/248, train_loss: 0.7485, step time: 1.0238
Batch 39/248, train_loss: 0.7132, step time: 1.0293
Batch 40/248, train_loss: 0.9938, step time: 1.0431
Batch 41/248, train_loss: 0.7389, step time: 1.0439
Batch 42/248, train_loss: 0.6732, step time: 1.0214
Batch 43/248, train_loss: 0.6480, step time: 1.0290
Batch 44/248, train_loss: 0.7145, step time: 1.0340
Batch 45/248, train_loss: 0.8352, step time: 1.0194
Batch 46/248, train_loss: 0.7129, step time: 1.0371
Batch 47/248, train_loss: 0.6845, step time: 1.0268
Batch 48/248, train_loss: 0.7207, step time: 1.0375
Batch 49/248, train_loss: 0.7564, step time: 1.0343
Batch 50/248, train_loss: 0.7062, step time: 1.0196
Batch 51/248, train_loss: 0.7166, step time: 1.0222
Batch 52/248, train_loss: 0.6963, step time: 1.0252
Batch 53/248, train_loss: 0.7674, step time: 1.0349
Batch 54/248, train_loss: 0.7421, step time: 1.0257
Batch 55/248, train_loss: 0.7324, step time: 1.0198
Batch 56/248, train_loss: 0.7231, step time: 1.0280
Batch 57/248, train_loss: 0.7357, step time: 1.0237
Batch 58/248, train_loss: 0.6770, step time: 1.0358
Batch 59/248, train_loss: 0.6778, step time: 1.0444
Batch 60/248, train_loss: 0.6654, step time: 1.0274
Batch 61/248, train_loss: 0.6806, step time: 1.0181
Batch 62/248, train_loss: 0.7550, step time: 1.0228
Batch 63/248, train_loss: 0.8181, step time: 1.0473
Batch 64/248, train_loss: 0.7714, step time: 1.0214
Batch 65/248, train_loss: 0.7373, step time: 1.0202
```

Batch 66/248, train_loss: 0.7005, step time: 1.0193
Batch 67/248, train_loss: 0.6430, step time: 1.0288
Batch 68/248, train_loss: 0.6779, step time: 1.0256
Batch 69/248, train_loss: 0.7997, step time: 1.0237
Batch 70/248, train_loss: 0.6973, step time: 1.0351
Batch 71/248, train_loss: 0.6921, step time: 1.0189
Batch 72/248, train_loss: 0.6588, step time: 1.0392
Batch 73/248, train_loss: 0.7009, step time: 1.0449
Batch 74/248, train_loss: 0.9964, step time: 1.0381
Batch 75/248, train_loss: 0.6826, step time: 1.0453
Batch 76/248, train_loss: 0.7879, step time: 1.0328
Batch 77/248, train_loss: 0.8433, step time: 1.0316
Batch 78/248, train_loss: 0.6938, step time: 1.0205
Batch 79/248, train_loss: 0.7032, step time: 1.0249
Batch 80/248, train_loss: 0.7265, step time: 1.0244
Batch 81/248, train_loss: 0.7153, step time: 1.0234
Batch 82/248, train_loss: 0.6755, step time: 1.0288
Batch 83/248, train_loss: 0.8545, step time: 1.0404
Batch 84/248, train_loss: 0.7134, step time: 1.0247
Batch 85/248, train_loss: 0.7505, step time: 1.0157
Batch 86/248, train_loss: 0.7281, step time: 1.0229
Batch 87/248, train_loss: 0.7541, step time: 1.0227
Batch 88/248, train_loss: 0.7604, step time: 1.0187
Batch 89/248, train_loss: 0.6327, step time: 1.0203
Batch 90/248, train_loss: 0.7246, step time: 1.0437
Batch 91/248, train_loss: 0.7743, step time: 1.0179
Batch 92/248, train_loss: 0.7427, step time: 1.0278
Batch 93/248, train_loss: 0.7001, step time: 1.0299
Batch 94/248, train_loss: 0.7307, step time: 1.0272
Batch 95/248, train_loss: 0.7127, step time: 1.0248
Batch 96/248, train_loss: 0.6986, step time: 1.0457
Batch 97/248, train_loss: 0.7627, step time: 1.0178
Batch 98/248, train_loss: 0.6683, step time: 1.0358
Batch 99/248, train_loss: 0.7622, step time: 1.0312
Batch 100/248, train_loss: 0.7421, step time: 1.0386
Batch 101/248, train_loss: 0.6166, step time: 1.0446
Batch 102/248, train_loss: 0.6928, step time: 1.0440
Batch 103/248, train_loss: 0.7671, step time: 1.0348
Batch 104/248, train_loss: 0.7206, step time: 1.0209
Batch 105/248, train_loss: 0.6642, step time: 1.0296
Batch 106/248, train_loss: 0.7004, step time: 1.0229
Batch 107/248, train_loss: 0.7389, step time: 1.0228
Batch 108/248, train_loss: 0.8008, step time: 1.0242
Batch 109/248, train_loss: 0.7815, step time: 1.0358
Batch 110/248, train_loss: 0.7038, step time: 1.0203
Batch 111/248, train_loss: 0.6607, step time: 1.0445
Batch 112/248, train_loss: 0.6704, step time: 1.0261
Batch 113/248, train_loss: 0.9978, step time: 1.0346
Batch 114/248, train_loss: 0.6528, step time: 1.0166
Batch 115/248, train_loss: 0.7046, step time: 1.0204
Batch 116/248, train_loss: 0.6590, step time: 1.0399
Batch 117/248, train_loss: 0.8618, step time: 1.0248
Batch 118/248, train_loss: 0.7350, step time: 1.0352
Batch 119/248, train_loss: 0.7336, step time: 1.0269
Batch 120/248, train_loss: 0.7225, step time: 1.0181
Batch 121/248, train_loss: 0.7435, step time: 1.0175
Batch 122/248, train_loss: 0.8331, step time: 1.0313
Batch 123/248, train_loss: 0.6697, step time: 1.0203
Batch 124/248, train_loss: 0.7380, step time: 1.0235
Batch 125/248, train_loss: 0.8115, step time: 1.0266
Batch 126/248, train_loss: 0.7144, step time: 1.0400
Batch 127/248, train_loss: 0.6903, step time: 1.0231
Batch 128/248, train_loss: 0.7643, step time: 1.0378
Batch 129/248, train_loss: 0.6495, step time: 1.0170
Batch 130/248, train_loss: 0.6497, step time: 1.0330
Batch 131/248, train_loss: 0.7498, step time: 1.0473
Batch 132/248, train_loss: 0.7319, step time: 1.0350
Batch 133/248, train_loss: 0.6437, step time: 1.0319
Batch 134/248, train_loss: 0.7487, step time: 1.0354
Batch 135/248, train_loss: 0.7168, step time: 1.0237
Batch 136/248, train_loss: 0.7000, step time: 1.0224
Batch 137/248, train_loss: 0.6835, step time: 1.0360
Batch 138/248, train_loss: 0.6552, step time: 1.0400
Batch 139/248, train_loss: 0.7002, step time: 1.0433
Batch 140/248, train_loss: 0.7257, step time: 1.0304
Batch 141/248, train_loss: 0.6993, step time: 1.0391
Batch 142/248, train_loss: 0.8653, step time: 1.0430
Batch 143/248, train_loss: 0.7415, step time: 1.0218
Batch 144/248, train_loss: 0.6886, step time: 1.0178
Batch 145/248, train_loss: 0.6134, step time: 1.0171
Batch 146/248, train_loss: 0.7382, step time: 1.0221
Batch 147/248, train_loss: 0.6027, step time: 1.0386
Batch 148/248, train_loss: 0.8259, step time: 1.0410
Batch 149/248, train_loss: 0.7040, step time: 1.0273
Batch 150/248, train_loss: 0.8331, step time: 1.0404

Batch 151/248, train_loss: 0.7468, step time: 1.0256
Batch 152/248, train_loss: 0.6082, step time: 1.0242
Batch 153/248, train_loss: 0.7777, step time: 1.0267
Batch 154/248, train_loss: 0.7720, step time: 1.0234
Batch 155/248, train_loss: 0.6987, step time: 1.0155
Batch 156/248, train_loss: 0.7261, step time: 1.0230
Batch 157/248, train_loss: 0.7323, step time: 1.0208
Batch 158/248, train_loss: 0.9989, step time: 1.0214
Batch 159/248, train_loss: 0.7707, step time: 1.0215
Batch 160/248, train_loss: 0.6851, step time: 1.0372
Batch 161/248, train_loss: 0.6854, step time: 1.0256
Batch 162/248, train_loss: 0.5943, step time: 1.0402
Batch 163/248, train_loss: 0.7097, step time: 1.0428
Batch 164/248, train_loss: 0.7071, step time: 1.0213
Batch 165/248, train_loss: 0.8238, step time: 1.0166
Batch 166/248, train_loss: 0.7039, step time: 1.0268
Batch 167/248, train_loss: 0.7058, step time: 1.0276
Batch 168/248, train_loss: 0.7080, step time: 1.0231
Batch 169/248, train_loss: 0.6846, step time: 1.0336
Batch 170/248, train_loss: 0.8891, step time: 1.0193
Batch 171/248, train_loss: 0.6371, step time: 1.0403
Batch 172/248, train_loss: 0.8182, step time: 1.0429
Batch 173/248, train_loss: 0.6629, step time: 1.0221
Batch 174/248, train_loss: 0.9033, step time: 1.0232
Batch 175/248, train_loss: 0.6476, step time: 1.0181
Batch 176/248, train_loss: 0.7784, step time: 1.0240
Batch 177/248, train_loss: 0.7443, step time: 1.0262
Batch 178/248, train_loss: 0.7148, step time: 1.0210
Batch 179/248, train_loss: 0.5931, step time: 1.0189
Batch 180/248, train_loss: 0.7767, step time: 1.0185
Batch 181/248, train_loss: 0.6583, step time: 1.0277
Batch 182/248, train_loss: 0.9561, step time: 1.0299
Batch 183/248, train_loss: 0.6778, step time: 1.0199
Batch 184/248, train_loss: 0.7254, step time: 1.0238
Batch 185/248, train_loss: 0.6926, step time: 1.0409
Batch 186/248, train_loss: 0.6787, step time: 1.0244
Batch 187/248, train_loss: 0.6946, step time: 1.0220
Batch 188/248, train_loss: 0.7323, step time: 1.0199
Batch 189/248, train_loss: 0.8613, step time: 1.0227
Batch 190/248, train_loss: 0.6995, step time: 1.0180
Batch 191/248, train_loss: 0.8210, step time: 1.0227
Batch 192/248, train_loss: 0.7122, step time: 1.0293
Batch 193/248, train_loss: 0.7380, step time: 1.0334
Batch 194/248, train_loss: 0.6956, step time: 1.0413
Batch 195/248, train_loss: 0.8099, step time: 1.0278
Batch 196/248, train_loss: 0.9997, step time: 1.0406
Batch 197/248, train_loss: 0.7312, step time: 1.0403
Batch 198/248, train_loss: 0.8190, step time: 1.0229
Batch 199/248, train_loss: 0.7136, step time: 1.0263
Batch 200/248, train_loss: 0.7030, step time: 1.0219
Batch 201/248, train_loss: 0.6893, step time: 1.0432
Batch 202/248, train_loss: 0.7788, step time: 1.0263
Batch 203/248, train_loss: 0.8335, step time: 1.0371
Batch 204/248, train_loss: 0.6550, step time: 1.0308
Batch 205/248, train_loss: 0.7541, step time: 1.0230
Batch 206/248, train_loss: 0.7447, step time: 1.0232
Batch 207/248, train_loss: 0.6722, step time: 1.0340
Batch 208/248, train_loss: 0.7227, step time: 1.0307
Batch 209/248, train_loss: 0.7044, step time: 1.0211
Batch 210/248, train_loss: 0.6640, step time: 1.0163
Batch 211/248, train_loss: 0.6662, step time: 1.0352
Batch 212/248, train_loss: 0.7244, step time: 1.0246
Batch 213/248, train_loss: 0.7062, step time: 1.0500
Batch 214/248, train_loss: 0.6776, step time: 1.0266
Batch 215/248, train_loss: 0.7472, step time: 1.0256
Batch 216/248, train_loss: 0.7102, step time: 1.0390
Batch 217/248, train_loss: 0.7715, step time: 1.0190
Batch 218/248, train_loss: 0.8818, step time: 1.0288
Batch 219/248, train_loss: 0.6800, step time: 1.0335
Batch 220/248, train_loss: 0.7487, step time: 1.0317
Batch 221/248, train_loss: 0.7359, step time: 1.0439
Batch 222/248, train_loss: 0.7228, step time: 1.0288
Batch 223/248, train_loss: 0.6436, step time: 1.0311
Batch 224/248, train_loss: 0.6720, step time: 1.0391
Batch 225/248, train_loss: 0.7364, step time: 1.0239
Batch 226/248, train_loss: 0.7037, step time: 1.0286
Batch 227/248, train_loss: 0.6777, step time: 1.0197
Batch 228/248, train_loss: 0.7149, step time: 1.0216
Batch 229/248, train_loss: 0.6542, step time: 1.0403
Batch 230/248, train_loss: 0.6766, step time: 1.0443
Batch 231/248, train_loss: 0.7491, step time: 1.0311
Batch 232/248, train_loss: 0.6755, step time: 1.0355
Batch 233/248, train_loss: 0.9813, step time: 1.0175
Batch 234/248, train_loss: 0.8136, step time: 1.0250
Batch 235/248, train_loss: 0.7356, step time: 1.0226

```
Batch 236/248, train_loss: 0.8970, step time: 1.0478
Batch 237/248, train_loss: 0.6784, step time: 1.0355
Batch 238/248, train_loss: 0.6854, step time: 1.0235
Batch 239/248, train_loss: 0.5679, step time: 1.0230
Batch 240/248, train_loss: 0.7771, step time: 1.0260
Batch 241/248, train_loss: 0.8604, step time: 1.0334
Batch 242/248, train_loss: 0.7096, step time: 1.0206
Batch 243/248, train_loss: 0.8015, step time: 1.0446
Batch 244/248, train_loss: 0.8140, step time: 1.0192
Batch 245/248, train_loss: 0.6698, step time: 1.0309
Batch 246/248, train_loss: 0.8004, step time: 1.0337
Batch 247/248, train_loss: 0.6157, step time: 1.0222
Batch 248/248, train_loss: 0.9999, step time: 1.0393
```

Labels



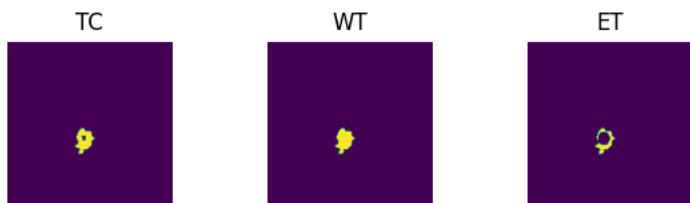
Predictions



VAL

```
Batch 1/31, val_loss: 0.8019
Batch 2/31, val_loss: 0.8700
Batch 3/31, val_loss: 0.8715
Batch 4/31, val_loss: 0.8545
Batch 5/31, val_loss: 0.8516
Batch 6/31, val_loss: 0.6801
Batch 7/31, val_loss: 0.7755
Batch 8/31, val_loss: 0.8595
Batch 9/31, val_loss: 0.6882
Batch 10/31, val_loss: 0.8469
Batch 11/31, val_loss: 0.7496
Batch 12/31, val_loss: 0.8536
Batch 13/31, val_loss: 0.8660
Batch 14/31, val_loss: 0.8482
Batch 15/31, val_loss: 0.8649
Batch 16/31, val_loss: 0.8442
Batch 17/31, val_loss: 0.8602
Batch 18/31, val_loss: 0.8425
Batch 19/31, val_loss: 0.7409
Batch 20/31, val_loss: 0.7986
Batch 21/31, val_loss: 0.8564
Batch 22/31, val_loss: 0.8790
Batch 23/31, val_loss: 0.8656
Batch 24/31, val_loss: 0.7187
Batch 25/31, val_loss: 0.7377
Batch 26/31, val_loss: 0.8062
Batch 27/31, val_loss: 0.8647
Batch 28/31, val_loss: 0.7346
Batch 29/31, val_loss: 0.8850
Batch 30/31, val_loss: 0.8595
Batch 31/31, val_loss: 0.8488
```

Labels



Predictions





```
epoch 45
average train loss: 0.7328
average validation loss: 0.8201
saved as best model: True
current mean dice: 0.2021
current TC dice: 0.5516
current WT dice: 0.0267
current ET dice: 0.0241
Best Mean Metric: 0.2021
time consuming of epoch 45 is: 1723.6154
-----
```

```
epoch 46/100
TRAIN
Batch 1/248, train_loss: 0.6455, step time: 1.0370
Batch 2/248, train_loss: 0.8945, step time: 1.0512
Batch 3/248, train_loss: 0.7489, step time: 1.0342
Batch 4/248, train_loss: 0.9886, step time: 1.0221
Batch 5/248, train_loss: 0.7241, step time: 1.0311
Batch 6/248, train_loss: 0.7098, step time: 1.0164
Batch 7/248, train_loss: 0.6186, step time: 1.0176
Batch 8/248, train_loss: 0.8974, step time: 1.0246
Batch 9/248, train_loss: 0.6398, step time: 1.0460
Batch 10/248, train_loss: 0.7515, step time: 1.0181
Batch 11/248, train_loss: 0.6970, step time: 1.0455
Batch 12/248, train_loss: 0.7410, step time: 1.0440
Batch 13/248, train_loss: 0.7352, step time: 1.0175
Batch 14/248, train_loss: 0.6043, step time: 1.0195
Batch 15/248, train_loss: 0.7786, step time: 1.0311
Batch 16/248, train_loss: 0.7044, step time: 1.0307
Batch 17/248, train_loss: 0.7335, step time: 1.0202
Batch 18/248, train_loss: 0.7443, step time: 1.0447
Batch 19/248, train_loss: 0.6585, step time: 1.0456
Batch 20/248, train_loss: 0.7164, step time: 1.0308
Batch 21/248, train_loss: 0.6710, step time: 1.0369
Batch 22/248, train_loss: 0.8136, step time: 1.0177
Batch 23/248, train_loss: 0.7588, step time: 1.0407
Batch 24/248, train_loss: 0.6835, step time: 1.0378
Batch 25/248, train_loss: 0.6034, step time: 1.0375
Batch 26/248, train_loss: 0.7985, step time: 1.0248
Batch 27/248, train_loss: 0.6462, step time: 1.0469
Batch 28/248, train_loss: 0.7231, step time: 1.0437
Batch 29/248, train_loss: 0.7725, step time: 1.0442
Batch 30/248, train_loss: 0.7349, step time: 1.0423
Batch 31/248, train_loss: 0.7704, step time: 1.0414
Batch 32/248, train_loss: 0.6802, step time: 1.0270
Batch 33/248, train_loss: 0.6443, step time: 1.0220
Batch 34/248, train_loss: 0.6503, step time: 1.0380
Batch 35/248, train_loss: 0.6719, step time: 1.0251
Batch 36/248, train_loss: 0.7495, step time: 1.0314
Batch 37/248, train_loss: 0.7253, step time: 1.0379
Batch 38/248, train_loss: 0.7450, step time: 1.0324
Batch 39/248, train_loss: 0.7110, step time: 1.0398
Batch 40/248, train_loss: 0.9936, step time: 1.0381
Batch 41/248, train_loss: 0.7089, step time: 1.0267
Batch 42/248, train_loss: 0.6752, step time: 1.0267
Batch 43/248, train_loss: 0.6482, step time: 1.0173
Batch 44/248, train_loss: 0.7068, step time: 1.0185
Batch 45/248, train_loss: 0.8450, step time: 1.0183
Batch 46/248, train_loss: 0.7133, step time: 1.0446
Batch 47/248, train_loss: 0.6863, step time: 1.0390
Batch 48/248, train_loss: 0.7195, step time: 1.0203
Batch 49/248, train_loss: 0.7564, step time: 1.0288
Batch 50/248, train_loss: 0.7037, step time: 1.0236
Batch 51/248, train_loss: 0.7121, step time: 1.0284
Batch 52/248, train_loss: 0.6961, step time: 1.0291
Batch 53/248, train_loss: 0.7574, step time: 1.0210
Batch 54/248, train_loss: 0.7412, step time: 1.0247
Batch 55/248, train_loss: 0.7434, step time: 1.0262
Batch 56/248, train_loss: 0.7284, step time: 1.0443
Batch 57/248, train_loss: 0.7214, step time: 1.0328
Batch 58/248, train_loss: 0.6756, step time: 1.0287
Batch 59/248, train_loss: 0.6778, step time: 1.0238
Batch 60/248, train_loss: 0.6648, step time: 1.0298
Batch 61/248, train_loss: 0.6793, step time: 1.0230
Batch 62/248, train_loss: 0.7590, step time: 1.0434
Batch 63/248, train_loss: 0.8232, step time: 1.0237
Batch 64/248, train_loss: 0.7777, step time: 1.0175
Batch 65/248, train_loss: 0.7562, step time: 1.0435
```

Batch 66/248, train_loss: 0.6992, step time: 1.0283
Batch 67/248, train_loss: 0.6423, step time: 1.0321
Batch 68/248, train_loss: 0.6800, step time: 1.0176
Batch 69/248, train_loss: 0.7774, step time: 1.0306
Batch 70/248, train_loss: 0.6974, step time: 1.0281
Batch 71/248, train_loss: 0.6893, step time: 1.0296
Batch 72/248, train_loss: 0.6607, step time: 1.0398
Batch 73/248, train_loss: 0.6836, step time: 1.0298
Batch 74/248, train_loss: 0.9961, step time: 1.0241
Batch 75/248, train_loss: 0.6803, step time: 1.0199
Batch 76/248, train_loss: 0.7676, step time: 1.0374
Batch 77/248, train_loss: 0.8705, step time: 1.0371
Batch 78/248, train_loss: 0.6961, step time: 1.0421
Batch 79/248, train_loss: 0.7015, step time: 1.0190
Batch 80/248, train_loss: 0.7205, step time: 1.0323
Batch 81/248, train_loss: 0.7214, step time: 1.0193
Batch 82/248, train_loss: 0.6742, step time: 1.0179
Batch 83/248, train_loss: 0.8515, step time: 1.0367
Batch 84/248, train_loss: 0.7145, step time: 1.0244
Batch 85/248, train_loss: 0.7626, step time: 1.0357
Batch 86/248, train_loss: 0.7269, step time: 1.0332
Batch 87/248, train_loss: 0.7478, step time: 1.4168
Batch 88/248, train_loss: 0.7621, step time: 1.0324
Batch 89/248, train_loss: 0.6331, step time: 1.0303
Batch 90/248, train_loss: 0.7180, step time: 1.0392
Batch 91/248, train_loss: 0.7654, step time: 1.0245
Batch 92/248, train_loss: 0.7516, step time: 1.0230
Batch 93/248, train_loss: 0.6973, step time: 1.0262
Batch 94/248, train_loss: 0.7343, step time: 1.0241
Batch 95/248, train_loss: 0.7106, step time: 1.0221
Batch 96/248, train_loss: 0.7012, step time: 1.0421
Batch 97/248, train_loss: 0.7206, step time: 1.0221
Batch 98/248, train_loss: 0.6674, step time: 1.0245
Batch 99/248, train_loss: 0.7643, step time: 1.0246
Batch 100/248, train_loss: 0.7490, step time: 1.0441
Batch 101/248, train_loss: 0.6167, step time: 1.0360
Batch 102/248, train_loss: 0.6938, step time: 1.0213
Batch 103/248, train_loss: 0.7616, step time: 1.0204
Batch 104/248, train_loss: 0.7265, step time: 1.0358
Batch 105/248, train_loss: 0.6629, step time: 1.0159
Batch 106/248, train_loss: 0.7030, step time: 1.0340
Batch 107/248, train_loss: 0.7345, step time: 1.0351
Batch 108/248, train_loss: 0.8119, step time: 1.0371
Batch 109/248, train_loss: 0.7535, step time: 1.0235
Batch 110/248, train_loss: 0.7138, step time: 1.0151
Batch 111/248, train_loss: 0.6611, step time: 1.0164
Batch 112/248, train_loss: 0.6756, step time: 1.0351
Batch 113/248, train_loss: 0.9917, step time: 1.0290
Batch 114/248, train_loss: 0.6501, step time: 1.0266
Batch 115/248, train_loss: 0.7286, step time: 1.0228
Batch 116/248, train_loss: 0.6591, step time: 1.0276
Batch 117/248, train_loss: 0.9577, step time: 1.0476
Batch 118/248, train_loss: 0.7282, step time: 1.0360
Batch 119/248, train_loss: 0.7287, step time: 1.0232
Batch 120/248, train_loss: 0.7187, step time: 1.0424
Batch 121/248, train_loss: 0.7482, step time: 1.0443
Batch 122/248, train_loss: 0.7787, step time: 1.0176
Batch 123/248, train_loss: 0.6722, step time: 1.0335
Batch 124/248, train_loss: 0.7349, step time: 1.0169
Batch 125/248, train_loss: 0.8022, step time: 1.0267
Batch 126/248, train_loss: 0.7107, step time: 1.0243
Batch 127/248, train_loss: 0.6918, step time: 1.0446
Batch 128/248, train_loss: 0.7817, step time: 1.0424
Batch 129/248, train_loss: 0.6530, step time: 1.0189
Batch 130/248, train_loss: 0.6464, step time: 1.0214
Batch 131/248, train_loss: 0.7491, step time: 1.0147
Batch 132/248, train_loss: 0.7268, step time: 1.0222
Batch 133/248, train_loss: 0.6360, step time: 1.0210
Batch 134/248, train_loss: 0.7552, step time: 1.0234
Batch 135/248, train_loss: 0.7117, step time: 1.0201
Batch 136/248, train_loss: 0.6994, step time: 1.0229
Batch 137/248, train_loss: 0.6889, step time: 1.0205
Batch 138/248, train_loss: 0.6547, step time: 1.0236
Batch 139/248, train_loss: 0.7042, step time: 1.0237
Batch 140/248, train_loss: 0.7265, step time: 1.0398
Batch 141/248, train_loss: 0.7110, step time: 1.0339
Batch 142/248, train_loss: 0.8984, step time: 1.0288
Batch 143/248, train_loss: 0.7382, step time: 1.0394
Batch 144/248, train_loss: 0.6889, step time: 1.0206
Batch 145/248, train_loss: 0.6184, step time: 1.0261
Batch 146/248, train_loss: 0.7577, step time: 1.0246
Batch 147/248, train_loss: 0.6059, step time: 1.0424
Batch 148/248, train_loss: 0.8391, step time: 1.0284
Batch 149/248, train_loss: 0.7060, step time: 1.0340
Batch 150/248, train_loss: 0.8403, step time: 1.0425

Batch 151/248, train_loss: 0.7722, step time: 1.0342
Batch 152/248, train_loss: 0.6065, step time: 1.0424
Batch 153/248, train_loss: 0.7570, step time: 1.0200
Batch 154/248, train_loss: 0.7616, step time: 1.0340
Batch 155/248, train_loss: 0.6999, step time: 1.0361
Batch 156/248, train_loss: 0.7049, step time: 1.0293
Batch 157/248, train_loss: 0.7330, step time: 1.0391
Batch 158/248, train_loss: 0.9989, step time: 1.0219
Batch 159/248, train_loss: 0.7791, step time: 1.0346
Batch 160/248, train_loss: 0.6883, step time: 1.0220
Batch 161/248, train_loss: 0.6870, step time: 1.0176
Batch 162/248, train_loss: 0.5983, step time: 1.0374
Batch 163/248, train_loss: 0.7160, step time: 1.0373
Batch 164/248, train_loss: 0.7138, step time: 1.0354
Batch 165/248, train_loss: 0.8389, step time: 1.0344
Batch 166/248, train_loss: 0.6974, step time: 1.0191
Batch 167/248, train_loss: 0.7150, step time: 1.0383
Batch 168/248, train_loss: 0.7074, step time: 1.0394
Batch 169/248, train_loss: 0.6895, step time: 1.0469
Batch 170/248, train_loss: 0.8420, step time: 1.0240
Batch 171/248, train_loss: 0.6373, step time: 1.0295
Batch 172/248, train_loss: 0.8252, step time: 1.0219
Batch 173/248, train_loss: 0.6648, step time: 1.0200
Batch 174/248, train_loss: 0.8706, step time: 1.0458
Batch 175/248, train_loss: 0.6439, step time: 1.0379
Batch 176/248, train_loss: 0.7805, step time: 1.0198
Batch 177/248, train_loss: 0.7293, step time: 1.0278
Batch 178/248, train_loss: 0.7260, step time: 1.0422
Batch 179/248, train_loss: 0.5916, step time: 1.0380
Batch 180/248, train_loss: 0.7896, step time: 1.0173
Batch 181/248, train_loss: 0.6578, step time: 1.0368
Batch 182/248, train_loss: 0.9723, step time: 1.0410
Batch 183/248, train_loss: 0.6787, step time: 1.0348
Batch 184/248, train_loss: 0.7283, step time: 1.0262
Batch 185/248, train_loss: 0.6926, step time: 1.0400
Batch 186/248, train_loss: 0.6790, step time: 1.0269
Batch 187/248, train_loss: 0.6928, step time: 1.0421
Batch 188/248, train_loss: 0.7275, step time: 1.0409
Batch 189/248, train_loss: 0.7924, step time: 1.0411
Batch 190/248, train_loss: 0.6971, step time: 1.0443
Batch 191/248, train_loss: 0.8151, step time: 1.0328
Batch 192/248, train_loss: 0.7190, step time: 1.0206
Batch 193/248, train_loss: 0.7357, step time: 1.0261
Batch 194/248, train_loss: 0.6933, step time: 1.0459
Batch 195/248, train_loss: 0.8012, step time: 1.0430
Batch 196/248, train_loss: 1.0000, step time: 1.0254
Batch 197/248, train_loss: 0.7393, step time: 1.0188
Batch 198/248, train_loss: 0.9808, step time: 1.0245
Batch 199/248, train_loss: 0.7123, step time: 1.0311
Batch 200/248, train_loss: 0.7057, step time: 1.0239
Batch 201/248, train_loss: 0.6894, step time: 1.0239
Batch 202/248, train_loss: 0.7758, step time: 1.0389
Batch 203/248, train_loss: 0.7768, step time: 1.0174
Batch 204/248, train_loss: 0.6602, step time: 1.0363
Batch 205/248, train_loss: 0.7515, step time: 1.0346
Batch 206/248, train_loss: 0.8121, step time: 1.0199
Batch 207/248, train_loss: 0.6685, step time: 1.0256
Batch 208/248, train_loss: 0.7157, step time: 1.0328
Batch 209/248, train_loss: 0.7013, step time: 1.0196
Batch 210/248, train_loss: 0.6650, step time: 1.0385
Batch 211/248, train_loss: 0.6672, step time: 1.0194
Batch 212/248, train_loss: 0.7228, step time: 1.0251
Batch 213/248, train_loss: 0.7014, step time: 1.0273
Batch 214/248, train_loss: 0.6788, step time: 1.0352
Batch 215/248, train_loss: 0.7458, step time: 1.0298
Batch 216/248, train_loss: 0.7070, step time: 1.0329
Batch 217/248, train_loss: 0.7840, step time: 1.0255
Batch 218/248, train_loss: 0.8914, step time: 1.0214
Batch 219/248, train_loss: 0.6782, step time: 1.0187
Batch 220/248, train_loss: 0.7592, step time: 1.0454
Batch 221/248, train_loss: 0.7687, step time: 1.0471
Batch 222/248, train_loss: 0.7335, step time: 1.0204
Batch 223/248, train_loss: 0.6429, step time: 1.0231
Batch 224/248, train_loss: 0.6724, step time: 1.0194
Batch 225/248, train_loss: 0.7232, step time: 1.0454
Batch 226/248, train_loss: 0.7056, step time: 1.0222
Batch 227/248, train_loss: 0.6798, step time: 1.0163
Batch 228/248, train_loss: 0.7593, step time: 1.0358
Batch 229/248, train_loss: 0.6544, step time: 1.0386
Batch 230/248, train_loss: 0.6766, step time: 1.0276
Batch 231/248, train_loss: 0.7427, step time: 1.0359
Batch 232/248, train_loss: 0.6758, step time: 1.0294
Batch 233/248, train_loss: 0.9685, step time: 1.0282
Batch 234/248, train_loss: 0.8146, step time: 1.0353
Batch 235/248, train_loss: 0.7721, step time: 1.0210

```
Batch 229/248, train_loss: 0.7551, step time: 1.0249
Batch 230/248, train_loss: 0.8949, step time: 1.0164
Batch 231/248, train_loss: 0.6768, step time: 1.0351
Batch 232/248, train_loss: 0.6849, step time: 1.0218
Batch 233/248, train_loss: 0.5704, step time: 1.0376
Batch 234/248, train_loss: 0.7857, step time: 1.0197
Batch 235/248, train_loss: 0.8876, step time: 1.0224
Batch 236/248, train_loss: 0.7123, step time: 1.0284
Batch 237/248, train_loss: 0.7884, step time: 1.0244
Batch 238/248, train_loss: 0.7991, step time: 1.0187
Batch 239/248, train_loss: 0.6770, step time: 1.0274
Batch 240/248, train_loss: 0.8343, step time: 1.0220
Batch 241/248, train_loss: 0.6255, step time: 1.0180
Batch 242/248, train_loss: 0.9998, step time: 1.0315
```

Labels

TC



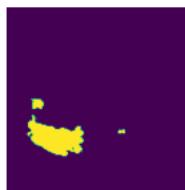
WT



ET



Predictions

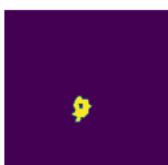


VAL

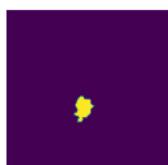
```
Batch 1/31, val_loss: 0.8021
Batch 2/31, val_loss: 0.8756
Batch 3/31, val_loss: 0.8705
Batch 4/31, val_loss: 0.8591
Batch 5/31, val_loss: 0.8585
Batch 6/31, val_loss: 0.6854
Batch 7/31, val_loss: 0.7817
Batch 8/31, val_loss: 0.8629
Batch 9/31, val_loss: 0.6897
Batch 10/31, val_loss: 0.8510
Batch 11/31, val_loss: 0.7447
Batch 12/31, val_loss: 0.8541
Batch 13/31, val_loss: 0.8661
Batch 14/31, val_loss: 0.8472
Batch 15/31, val_loss: 0.8721
Batch 16/31, val_loss: 0.8495
Batch 17/31, val_loss: 0.8696
Batch 18/31, val_loss: 0.8451
Batch 19/31, val_loss: 0.7406
Batch 20/31, val_loss: 0.8024
Batch 21/31, val_loss: 0.8563
Batch 22/31, val_loss: 0.8714
Batch 23/31, val_loss: 0.8648
Batch 24/31, val_loss: 0.7045
Batch 25/31, val_loss: 0.7462
Batch 26/31, val_loss: 0.8079
Batch 27/31, val_loss: 0.8627
Batch 28/31, val_loss: 0.7382
Batch 29/31, val_loss: 0.8916
Batch 30/31, val_loss: 0.8602
Batch 31/31, val_loss: 0.8520
```

Labels

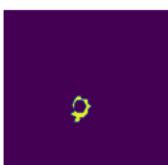
TC



WT

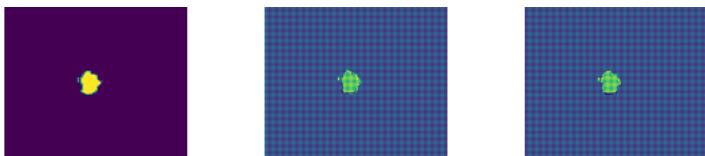


ET



Predictions





```
epoch 46
average train loss: 0.7334
average validation loss: 0.8218
saved as best model: True
current mean dice: 0.2060
current TC dice: 0.5646
current WT dice: 0.0261
current ET dice: 0.0235
Best Mean Metric: 0.2060
time consuming of epoch 46 is: 1718.4020
```

```
-----  
epoch 47/100  
TRAIN
```

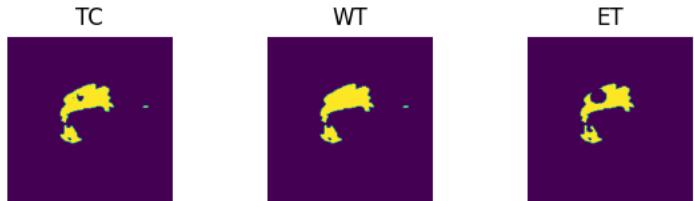
```
Batch 1/248, train_loss: 0.6513, step time: 1.0377
Batch 2/248, train_loss: 0.8929, step time: 1.0275
Batch 3/248, train_loss: 0.7523, step time: 1.0173
Batch 4/248, train_loss: 0.9817, step time: 1.0400
Batch 5/248, train_loss: 0.7449, step time: 1.0320
Batch 6/248, train_loss: 0.7207, step time: 1.0373
Batch 7/248, train_loss: 0.6198, step time: 1.0219
Batch 8/248, train_loss: 0.8743, step time: 1.0233
Batch 9/248, train_loss: 0.6407, step time: 1.0412
Batch 10/248, train_loss: 0.7510, step time: 1.0187
Batch 11/248, train_loss: 0.6951, step time: 1.0441
Batch 12/248, train_loss: 0.7547, step time: 1.0368
Batch 13/248, train_loss: 0.7495, step time: 1.0164
Batch 14/248, train_loss: 0.6024, step time: 1.0462
Batch 15/248, train_loss: 0.7794, step time: 1.0399
Batch 16/248, train_loss: 0.7078, step time: 1.0188
Batch 17/248, train_loss: 0.7304, step time: 1.0336
Batch 18/248, train_loss: 0.8099, step time: 1.0377
Batch 19/248, train_loss: 0.6685, step time: 1.0176
Batch 20/248, train_loss: 0.7095, step time: 1.0440
Batch 21/248, train_loss: 0.6707, step time: 1.0237
Batch 22/248, train_loss: 0.8068, step time: 1.0312
Batch 23/248, train_loss: 0.9489, step time: 1.0416
Batch 24/248, train_loss: 0.6835, step time: 1.0313
Batch 25/248, train_loss: 0.6008, step time: 1.0394
Batch 26/248, train_loss: 0.8089, step time: 1.0251
Batch 27/248, train_loss: 0.6477, step time: 1.0220
Batch 28/248, train_loss: 0.7186, step time: 1.0177
Batch 29/248, train_loss: 0.7706, step time: 1.0346
Batch 30/248, train_loss: 0.7319, step time: 1.0278
Batch 31/248, train_loss: 0.7737, step time: 1.0497
Batch 32/248, train_loss: 0.6824, step time: 1.0243
Batch 33/248, train_loss: 0.6415, step time: 1.0418
Batch 34/248, train_loss: 0.6506, step time: 1.0407
Batch 35/248, train_loss: 0.6727, step time: 1.0346
Batch 36/248, train_loss: 0.7513, step time: 1.0302
Batch 37/248, train_loss: 0.7257, step time: 1.0254
Batch 38/248, train_loss: 0.7440, step time: 1.0259
Batch 39/248, train_loss: 0.7046, step time: 1.0325
Batch 40/248, train_loss: 0.9713, step time: 1.0335
Batch 41/248, train_loss: 0.7019, step time: 1.0411
Batch 42/248, train_loss: 0.6760, step time: 1.0363
Batch 43/248, train_loss: 0.6513, step time: 1.0360
Batch 44/248, train_loss: 0.7001, step time: 1.0355
Batch 45/248, train_loss: 0.8519, step time: 1.0405
Batch 46/248, train_loss: 0.7038, step time: 1.0340
Batch 47/248, train_loss: 0.6839, step time: 1.0162
Batch 48/248, train_loss: 0.7321, step time: 1.0277
Batch 49/248, train_loss: 0.7689, step time: 1.0291
Batch 50/248, train_loss: 0.7054, step time: 1.0217
Batch 51/248, train_loss: 0.7200, step time: 1.0440
Batch 52/248, train_loss: 0.6979, step time: 1.0393
Batch 53/248, train_loss: 0.7639, step time: 1.0390
Batch 54/248, train_loss: 0.7398, step time: 1.0309
Batch 55/248, train_loss: 0.7399, step time: 1.0338
Batch 56/248, train_loss: 0.7199, step time: 1.0303
Batch 57/248, train_loss: 0.7356, step time: 1.0243
Batch 58/248, train_loss: 0.6748, step time: 1.0400
Batch 59/248, train_loss: 0.6782, step time: 1.0207
Batch 60/248, train_loss: 0.6669, step time: 1.0203
Batch 61/248, train_loss: 0.6800, step time: 1.0341
Batch 62/248, train_loss: 0.7533, step time: 1.0312
Batch 63/248, train_loss: 0.8134, step time: 1.0352
Batch 64/248, train_loss: 0.7725, step time: 1.0398
Batch 65/248, train_loss: 0.7500, step time: 1.0335
```

Batch 55/248, train_loss: 0.6900, step time: 1.0000
Batch 66/248, train_loss: 0.6987, step time: 1.0313
Batch 67/248, train_loss: 0.6422, step time: 1.0213
Batch 68/248, train_loss: 0.6767, step time: 1.0220
Batch 69/248, train_loss: 0.7928, step time: 1.0320
Batch 70/248, train_loss: 0.6976, step time: 1.0208
Batch 71/248, train_loss: 0.6861, step time: 1.0364
Batch 72/248, train_loss: 0.6603, step time: 1.0386
Batch 73/248, train_loss: 0.7147, step time: 1.0297
Batch 74/248, train_loss: 0.9975, step time: 1.0253
Batch 75/248, train_loss: 0.6821, step time: 1.0216
Batch 76/248, train_loss: 0.7698, step time: 1.0189
Batch 77/248, train_loss: 0.8230, step time: 1.0158
Batch 78/248, train_loss: 0.6962, step time: 1.0408
Batch 79/248, train_loss: 0.7057, step time: 1.0337
Batch 80/248, train_loss: 0.7211, step time: 1.0402
Batch 81/248, train_loss: 0.7182, step time: 1.0360
Batch 82/248, train_loss: 0.6760, step time: 1.0278
Batch 83/248, train_loss: 0.8458, step time: 1.0332
Batch 84/248, train_loss: 0.7199, step time: 1.0187
Batch 85/248, train_loss: 0.7713, step time: 1.0163
Batch 86/248, train_loss: 0.7342, step time: 1.0339
Batch 87/248, train_loss: 0.7583, step time: 1.0272
Batch 88/248, train_loss: 0.7703, step time: 1.0334
Batch 89/248, train_loss: 0.6312, step time: 1.0395
Batch 90/248, train_loss: 0.7259, step time: 1.0273
Batch 91/248, train_loss: 0.7697, step time: 1.0249
Batch 92/248, train_loss: 0.7467, step time: 1.0230
Batch 93/248, train_loss: 0.6989, step time: 1.0326
Batch 94/248, train_loss: 0.7407, step time: 1.0371
Batch 95/248, train_loss: 0.7072, step time: 1.0198
Batch 96/248, train_loss: 0.7009, step time: 1.0316
Batch 97/248, train_loss: 0.7496, step time: 1.0205
Batch 98/248, train_loss: 0.6683, step time: 1.0324
Batch 99/248, train_loss: 0.7634, step time: 1.0266
Batch 100/248, train_loss: 0.8018, step time: 1.0269
Batch 101/248, train_loss: 0.6175, step time: 1.0223
Batch 102/248, train_loss: 0.6904, step time: 1.0264
Batch 103/248, train_loss: 0.7612, step time: 1.0334
Batch 104/248, train_loss: 0.7259, step time: 1.0404
Batch 105/248, train_loss: 0.6612, step time: 1.0303
Batch 106/248, train_loss: 0.7011, step time: 1.0276
Batch 107/248, train_loss: 0.7344, step time: 1.0433
Batch 108/248, train_loss: 0.8344, step time: 1.0280
Batch 109/248, train_loss: 0.7665, step time: 1.0324
Batch 110/248, train_loss: 0.7036, step time: 1.0392
Batch 111/248, train_loss: 0.6616, step time: 1.0317
Batch 112/248, train_loss: 0.6759, step time: 1.0173
Batch 113/248, train_loss: 0.9933, step time: 1.0214
Batch 114/248, train_loss: 0.6517, step time: 1.0272
Batch 115/248, train_loss: 0.7016, step time: 1.0307
Batch 116/248, train_loss: 0.6585, step time: 1.0236
Batch 117/248, train_loss: 0.8789, step time: 1.0209
Batch 118/248, train_loss: 0.7506, step time: 1.0407
Batch 119/248, train_loss: 0.7335, step time: 1.0425
Batch 120/248, train_loss: 0.7236, step time: 1.0394
Batch 121/248, train_loss: 0.7438, step time: 1.0180
Batch 122/248, train_loss: 0.7746, step time: 1.0406
Batch 123/248, train_loss: 0.6699, step time: 1.0206
Batch 124/248, train_loss: 0.7318, step time: 1.0355
Batch 125/248, train_loss: 0.8006, step time: 1.0196
Batch 126/248, train_loss: 0.6992, step time: 1.0445
Batch 127/248, train_loss: 0.6889, step time: 1.0170
Batch 128/248, train_loss: 0.7209, step time: 1.0397
Batch 129/248, train_loss: 0.6480, step time: 1.0327
Batch 130/248, train_loss: 0.6471, step time: 1.0202
Batch 131/248, train_loss: 0.7562, step time: 1.0292
Batch 132/248, train_loss: 0.7234, step time: 1.0284
Batch 133/248, train_loss: 0.6360, step time: 1.0241
Batch 134/248, train_loss: 0.7654, step time: 1.0235
Batch 135/248, train_loss: 0.7125, step time: 1.0452
Batch 136/248, train_loss: 0.6990, step time: 1.0409
Batch 137/248, train_loss: 0.6615, step time: 1.0241
Batch 138/248, train_loss: 0.6547, step time: 1.0196
Batch 139/248, train_loss: 0.6858, step time: 1.0310
Batch 140/248, train_loss: 0.7343, step time: 1.0257
Batch 141/248, train_loss: 0.6953, step time: 1.0441
Batch 142/248, train_loss: 0.8424, step time: 1.0227
Batch 143/248, train_loss: 0.7350, step time: 1.0380
Batch 144/248, train_loss: 0.6872, step time: 1.0364
Batch 145/248, train_loss: 0.6072, step time: 1.0346
Batch 146/248, train_loss: 0.7614, step time: 1.0355
Batch 147/248, train_loss: 0.5999, step time: 1.0320
Batch 148/248, train_loss: 0.8132, step time: 1.0398
Batch 149/248, train_loss: 0.6989, step time: 1.0289
Total 150/248 train loss: 0.6444 step time: 1.0126

Batch 150/248, train_loss: 0.8444, step time: 1.0450
Batch 151/248, train_loss: 0.7521, step time: 1.0224
Batch 152/248, train_loss: 0.6073, step time: 1.0161
Batch 153/248, train_loss: 0.7430, step time: 1.0332
Batch 154/248, train_loss: 0.7609, step time: 1.0368
Batch 155/248, train_loss: 0.6963, step time: 1.0436
Batch 156/248, train_loss: 0.7086, step time: 1.0239
Batch 157/248, train_loss: 0.7257, step time: 1.0346
Batch 158/248, train_loss: 0.9993, step time: 1.0340
Batch 159/248, train_loss: 0.7564, step time: 1.0241
Batch 160/248, train_loss: 0.6836, step time: 1.0241
Batch 161/248, train_loss: 0.6837, step time: 1.0271
Batch 162/248, train_loss: 0.5945, step time: 1.0200
Batch 163/248, train_loss: 0.7086, step time: 1.0326
Batch 164/248, train_loss: 0.7142, step time: 1.0169
Batch 165/248, train_loss: 0.8201, step time: 1.0419
Batch 166/248, train_loss: 0.6960, step time: 1.0391
Batch 167/248, train_loss: 0.7102, step time: 1.0275
Batch 168/248, train_loss: 0.7075, step time: 1.0323
Batch 169/248, train_loss: 0.6884, step time: 1.0221
Batch 170/248, train_loss: 0.8158, step time: 1.0228
Batch 171/248, train_loss: 0.6364, step time: 1.0267
Batch 172/248, train_loss: 0.8472, step time: 1.0313
Batch 173/248, train_loss: 0.6610, step time: 1.0374
Batch 174/248, train_loss: 0.8851, step time: 1.0204
Batch 175/248, train_loss: 0.6463, step time: 1.0245
Batch 176/248, train_loss: 0.7800, step time: 1.0157
Batch 177/248, train_loss: 0.7595, step time: 1.0227
Batch 178/248, train_loss: 0.7117, step time: 1.0278
Batch 179/248, train_loss: 0.5930, step time: 1.0237
Batch 180/248, train_loss: 0.7842, step time: 1.0328
Batch 181/248, train_loss: 0.6596, step time: 1.0206
Batch 182/248, train_loss: 0.9615, step time: 1.0178
Batch 183/248, train_loss: 0.6796, step time: 1.0207
Batch 184/248, train_loss: 0.7161, step time: 1.0445
Batch 185/248, train_loss: 0.6926, step time: 1.0202
Batch 186/248, train_loss: 0.6775, step time: 1.0379
Batch 187/248, train_loss: 0.6936, step time: 1.0194
Batch 188/248, train_loss: 0.7313, step time: 1.0167
Batch 189/248, train_loss: 0.7928, step time: 1.0391
Batch 190/248, train_loss: 0.6951, step time: 1.0180
Batch 191/248, train_loss: 0.8157, step time: 1.0311
Batch 192/248, train_loss: 0.7269, step time: 1.0217
Batch 193/248, train_loss: 0.7356, step time: 1.0192
Batch 194/248, train_loss: 0.6920, step time: 1.0477
Batch 195/248, train_loss: 0.8290, step time: 1.0245
Batch 196/248, train_loss: 0.9999, step time: 1.0184
Batch 197/248, train_loss: 0.7317, step time: 1.0303
Batch 198/248, train_loss: 0.9661, step time: 1.0305
Batch 199/248, train_loss: 0.7078, step time: 1.0183
Batch 200/248, train_loss: 0.7002, step time: 1.0240
Batch 201/248, train_loss: 0.6882, step time: 1.0306
Batch 202/248, train_loss: 0.7802, step time: 1.0221
Batch 203/248, train_loss: 0.7674, step time: 1.0346
Batch 204/248, train_loss: 0.6580, step time: 1.0351
Batch 205/248, train_loss: 0.7498, step time: 1.0234
Batch 206/248, train_loss: 0.7328, step time: 1.0160
Batch 207/248, train_loss: 0.6668, step time: 1.0412
Batch 208/248, train_loss: 0.7132, step time: 1.0332
Batch 209/248, train_loss: 0.7008, step time: 1.0264
Batch 210/248, train_loss: 0.6676, step time: 1.0326
Batch 211/248, train_loss: 0.6664, step time: 1.0202
Batch 212/248, train_loss: 0.7578, step time: 1.0312
Batch 213/248, train_loss: 0.7061, step time: 1.0273
Batch 214/248, train_loss: 0.6797, step time: 1.0369
Batch 215/248, train_loss: 0.7379, step time: 1.0361
Batch 216/248, train_loss: 0.7131, step time: 1.0182
Batch 217/248, train_loss: 0.7615, step time: 1.0373
Batch 218/248, train_loss: 0.8949, step time: 1.0172
Batch 219/248, train_loss: 0.6824, step time: 1.0310
Batch 220/248, train_loss: 0.7473, step time: 1.0216
Batch 221/248, train_loss: 0.7344, step time: 1.0272
Batch 222/248, train_loss: 0.7356, step time: 1.0398
Batch 223/248, train_loss: 0.6422, step time: 1.0256
Batch 224/248, train_loss: 0.6731, step time: 1.0188
Batch 225/248, train_loss: 0.7225, step time: 1.0450
Batch 226/248, train_loss: 0.7076, step time: 1.0204
Batch 227/248, train_loss: 0.6781, step time: 1.0196
Batch 228/248, train_loss: 0.7141, step time: 1.0378
Batch 229/248, train_loss: 0.6586, step time: 1.0434
Batch 230/248, train_loss: 0.6742, step time: 1.0360
Batch 231/248, train_loss: 0.7274, step time: 1.0367
Batch 232/248, train_loss: 0.6785, step time: 1.0261
Batch 233/248, train_loss: 0.9808, step time: 1.0466
Batch 234/248, train_loss: 0.8140, step time: 1.0187

```
Batch 235/248, train_loss: 0.7350, step time: 1.0342
Batch 236/248, train_loss: 0.8968, step time: 1.0351
Batch 237/248, train_loss: 0.6773, step time: 1.0301
Batch 238/248, train_loss: 0.6813, step time: 1.0322
Batch 239/248, train_loss: 0.5705, step time: 1.0192
Batch 240/248, train_loss: 0.7745, step time: 1.0363
Batch 241/248, train_loss: 0.8696, step time: 1.0427
Batch 242/248, train_loss: 0.7109, step time: 1.0172
Batch 243/248, train_loss: 0.8010, step time: 1.0271
Batch 244/248, train_loss: 0.7950, step time: 1.0388
Batch 245/248, train_loss: 0.6689, step time: 1.0175
Batch 246/248, train_loss: 0.8301, step time: 1.0298
Batch 247/248, train_loss: 0.6156, step time: 1.0240
Batch 248/248, train_loss: 0.9998, step time: 1.0159
```

Labels



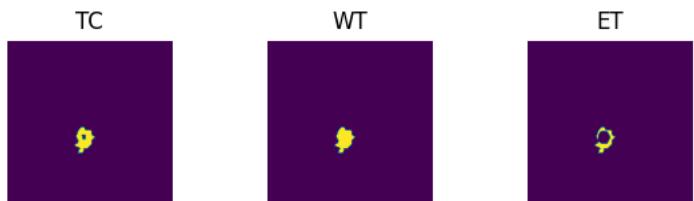
Predictions



VAL

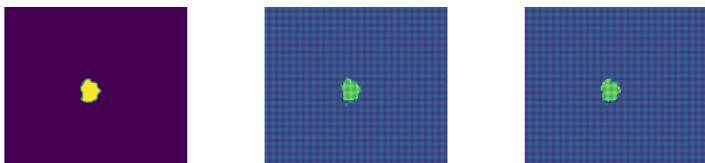
```
Batch 1/31, val_loss: 0.8000
Batch 2/31, val_loss: 0.8751
Batch 3/31, val_loss: 0.8735
Batch 4/31, val_loss: 0.8640
Batch 5/31, val_loss: 0.8516
Batch 6/31, val_loss: 0.6779
Batch 7/31, val_loss: 0.7743
Batch 8/31, val_loss: 0.8573
Batch 9/31, val_loss: 0.6855
Batch 10/31, val_loss: 0.8392
Batch 11/31, val_loss: 0.7450
Batch 12/31, val_loss: 0.8615
Batch 13/31, val_loss: 0.8723
Batch 14/31, val_loss: 0.8516
Batch 15/31, val_loss: 0.8627
Batch 16/31, val_loss: 0.8596
Batch 17/31, val_loss: 0.8652
Batch 18/31, val_loss: 0.8436
Batch 19/31, val_loss: 0.7383
Batch 20/31, val_loss: 0.8061
Batch 21/31, val_loss: 0.8506
Batch 22/31, val_loss: 0.8767
Batch 23/31, val_loss: 0.8631
Batch 24/31, val_loss: 0.6990
Batch 25/31, val_loss: 0.7394
Batch 26/31, val_loss: 0.8131
Batch 27/31, val_loss: 0.8610
Batch 28/31, val_loss: 0.7388
Batch 29/31, val_loss: 0.8926
Batch 30/31, val_loss: 0.8562
Batch 31/31, val_loss: 0.8498
```

Labels



Predictions





```
epoch 47
  average train loss: 0.7325
  average validation loss: 0.8208
  saved as best model: False
  current mean dice: 0.2032
  current TC dice: 0.5590
  current WT dice: 0.0265
  current ET dice: 0.0239
Best Mean Metric: 0.2060
time consuming of epoch 47 is: 1691.5758
```

```
-----  
epoch 48/100
```

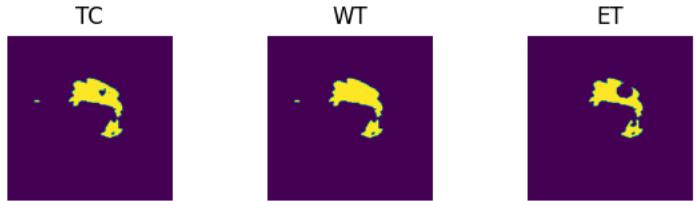
```
TRAIN
  Batch 1/248, train_loss: 0.6461, step time: 1.0398
  Batch 2/248, train_loss: 0.9035, step time: 1.0501
  Batch 3/248, train_loss: 0.7575, step time: 1.0182
  Batch 4/248, train_loss: 0.9958, step time: 1.0347
  Batch 5/248, train_loss: 0.7221, step time: 1.0415
  Batch 6/248, train_loss: 0.7237, step time: 1.0271
  Batch 7/248, train_loss: 0.6180, step time: 1.0258
  Batch 8/248, train_loss: 0.9034, step time: 1.0177
  Batch 9/248, train_loss: 0.6391, step time: 1.0218
  Batch 10/248, train_loss: 0.7500, step time: 1.0228
  Batch 11/248, train_loss: 0.6903, step time: 1.0175
  Batch 12/248, train_loss: 0.7424, step time: 1.0276
  Batch 13/248, train_loss: 0.7469, step time: 1.0312
  Batch 14/248, train_loss: 0.6046, step time: 1.0187
  Batch 15/248, train_loss: 0.7803, step time: 1.0413
  Batch 16/248, train_loss: 0.7084, step time: 1.0428
  Batch 17/248, train_loss: 0.7202, step time: 1.0393
  Batch 18/248, train_loss: 0.7462, step time: 1.0247
  Batch 19/248, train_loss: 0.6626, step time: 1.0415
  Batch 20/248, train_loss: 0.7287, step time: 1.0339
  Batch 21/248, train_loss: 0.6696, step time: 1.0351
  Batch 22/248, train_loss: 0.8056, step time: 1.0235
  Batch 23/248, train_loss: 0.8680, step time: 1.0337
  Batch 24/248, train_loss: 0.6834, step time: 1.0360
  Batch 25/248, train_loss: 0.6024, step time: 1.0410
  Batch 26/248, train_loss: 0.7966, step time: 1.0320
  Batch 27/248, train_loss: 0.6456, step time: 1.0290
  Batch 28/248, train_loss: 0.7220, step time: 1.0219
  Batch 29/248, train_loss: 0.7821, step time: 1.0368
  Batch 30/248, train_loss: 0.7400, step time: 1.0272
  Batch 31/248, train_loss: 0.7735, step time: 1.0218
  Batch 32/248, train_loss: 0.6772, step time: 1.0256
  Batch 33/248, train_loss: 0.6403, step time: 1.0163
  Batch 34/248, train_loss: 0.6501, step time: 1.0296
  Batch 35/248, train_loss: 0.6715, step time: 1.0322
  Batch 36/248, train_loss: 0.7523, step time: 1.0198
  Batch 37/248, train_loss: 0.7255, step time: 1.0184
  Batch 38/248, train_loss: 0.7487, step time: 1.0246
  Batch 39/248, train_loss: 0.7068, step time: 1.0397
  Batch 40/248, train_loss: 0.9844, step time: 1.0436
  Batch 41/248, train_loss: 0.7111, step time: 1.0417
  Batch 42/248, train_loss: 0.6741, step time: 1.0243
  Batch 43/248, train_loss: 0.6492, step time: 1.0403
  Batch 44/248, train_loss: 0.7021, step time: 1.0202
  Batch 45/248, train_loss: 0.8650, step time: 1.0252
  Batch 46/248, train_loss: 0.7040, step time: 1.0199
  Batch 47/248, train_loss: 0.6845, step time: 1.0246
  Batch 48/248, train_loss: 0.7326, step time: 1.0223
  Batch 49/248, train_loss: 0.7544, step time: 1.0216
  Batch 50/248, train_loss: 0.7027, step time: 1.0214
  Batch 51/248, train_loss: 0.7112, step time: 1.0254
  Batch 52/248, train_loss: 0.7005, step time: 1.0410
  Batch 53/248, train_loss: 0.7598, step time: 1.0221
  Batch 54/248, train_loss: 0.7409, step time: 1.0309
  Batch 55/248, train_loss: 0.7317, step time: 1.0414
  Batch 56/248, train_loss: 0.7199, step time: 1.0441
  Batch 57/248, train_loss: 0.7245, step time: 1.0345
  Batch 58/248, train_loss: 0.6752, step time: 1.0223
  Batch 59/248, train_loss: 0.6799, step time: 1.0241
  Batch 60/248, train_loss: 0.6655, step time: 1.0255
  Batch 61/248, train_loss: 0.6798, step time: 1.0386
  Batch 62/248, train_loss: 0.7521, step time: 1.0311
  Batch 63/248, train_loss: 0.8178, step time: 1.0320
  Batch 64/248, train_loss: 0.7748, step time: 1.0235
```

Batch 65/248, train_loss: 0.7639, step time: 1.0327
Batch 66/248, train_loss: 0.6942, step time: 1.0236
Batch 67/248, train_loss: 0.6412, step time: 1.0317
Batch 68/248, train_loss: 0.6775, step time: 1.0449
Batch 69/248, train_loss: 0.7722, step time: 1.0424
Batch 70/248, train_loss: 0.6973, step time: 1.0267
Batch 71/248, train_loss: 0.6814, step time: 1.0400
Batch 72/248, train_loss: 0.6596, step time: 1.0350
Batch 73/248, train_loss: 0.7076, step time: 1.0261
Batch 74/248, train_loss: 0.9970, step time: 1.0459
Batch 75/248, train_loss: 0.6796, step time: 1.0239
Batch 76/248, train_loss: 0.7724, step time: 1.0179
Batch 77/248, train_loss: 0.8405, step time: 1.0337
Batch 78/248, train_loss: 0.6991, step time: 1.0200
Batch 79/248, train_loss: 0.7048, step time: 1.0392
Batch 80/248, train_loss: 0.7265, step time: 1.0209
Batch 81/248, train_loss: 0.7245, step time: 1.0393
Batch 82/248, train_loss: 0.6749, step time: 1.0177
Batch 83/248, train_loss: 0.8551, step time: 1.0360
Batch 84/248, train_loss: 0.7159, step time: 1.0256
Batch 85/248, train_loss: 0.7537, step time: 1.0315
Batch 86/248, train_loss: 0.7287, step time: 1.0232
Batch 87/248, train_loss: 0.7558, step time: 1.0258
Batch 88/248, train_loss: 0.7619, step time: 1.0221
Batch 89/248, train_loss: 0.6310, step time: 1.0290
Batch 90/248, train_loss: 0.7175, step time: 1.0253
Batch 91/248, train_loss: 0.7693, step time: 1.0313
Batch 92/248, train_loss: 0.7388, step time: 1.0426
Batch 93/248, train_loss: 0.6984, step time: 1.0292
Batch 94/248, train_loss: 0.7282, step time: 1.0370
Batch 95/248, train_loss: 0.7086, step time: 1.0258
Batch 96/248, train_loss: 0.6996, step time: 1.0192
Batch 97/248, train_loss: 0.7686, step time: 1.0365
Batch 98/248, train_loss: 0.6669, step time: 1.0333
Batch 99/248, train_loss: 0.7638, step time: 1.0290
Batch 100/248, train_loss: 0.7375, step time: 1.0277
Batch 101/248, train_loss: 0.6161, step time: 1.0206
Batch 102/248, train_loss: 0.6940, step time: 1.0261
Batch 103/248, train_loss: 0.7663, step time: 1.0353
Batch 104/248, train_loss: 0.7279, step time: 1.0327
Batch 105/248, train_loss: 0.6600, step time: 1.0333
Batch 106/248, train_loss: 0.7041, step time: 1.0312
Batch 107/248, train_loss: 0.7350, step time: 1.0445
Batch 108/248, train_loss: 0.8250, step time: 1.0248
Batch 109/248, train_loss: 0.7420, step time: 1.0346
Batch 110/248, train_loss: 0.6983, step time: 1.0373
Batch 111/248, train_loss: 0.6614, step time: 1.0283
Batch 112/248, train_loss: 0.6720, step time: 1.0159
Batch 113/248, train_loss: 0.9985, step time: 1.0334
Batch 114/248, train_loss: 0.6445, step time: 1.0200
Batch 115/248, train_loss: 0.7119, step time: 1.0282
Batch 116/248, train_loss: 0.6584, step time: 1.0376
Batch 117/248, train_loss: 0.8887, step time: 1.0199
Batch 118/248, train_loss: 0.7191, step time: 1.0245
Batch 119/248, train_loss: 0.7279, step time: 1.0374
Batch 120/248, train_loss: 0.7218, step time: 1.0251
Batch 121/248, train_loss: 0.7464, step time: 1.0241
Batch 122/248, train_loss: 0.7686, step time: 1.0201
Batch 123/248, train_loss: 0.6700, step time: 1.0409
Batch 124/248, train_loss: 0.7396, step time: 1.0215
Batch 125/248, train_loss: 0.8117, step time: 1.0150
Batch 126/248, train_loss: 0.7387, step time: 1.0252
Batch 127/248, train_loss: 0.6915, step time: 1.0226
Batch 128/248, train_loss: 0.7188, step time: 1.0401
Batch 129/248, train_loss: 0.6483, step time: 1.0167
Batch 130/248, train_loss: 0.6434, step time: 1.0171
Batch 131/248, train_loss: 0.7576, step time: 1.0370
Batch 132/248, train_loss: 0.7287, step time: 1.0357
Batch 133/248, train_loss: 0.6335, step time: 1.0243
Batch 134/248, train_loss: 0.7313, step time: 1.0263
Batch 135/248, train_loss: 0.7160, step time: 1.0360
Batch 136/248, train_loss: 0.6977, step time: 1.0228
Batch 137/248, train_loss: 0.6633, step time: 1.0421
Batch 138/248, train_loss: 0.6546, step time: 1.0238
Batch 139/248, train_loss: 0.6889, step time: 1.0332
Batch 140/248, train_loss: 0.7123, step time: 1.0434
Batch 141/248, train_loss: 0.6985, step time: 1.0471
Batch 142/248, train_loss: 0.8654, step time: 1.0398
Batch 143/248, train_loss: 0.7348, step time: 1.0458
Batch 144/248, train_loss: 0.6875, step time: 1.0369
Batch 145/248, train_loss: 0.6074, step time: 1.0146
Batch 146/248, train_loss: 0.7399, step time: 1.0423
Batch 147/248, train_loss: 0.6018, step time: 1.0311
Batch 148/248, train_loss: 0.8023, step time: 1.0456
Batch 149/248, train_loss: 0.6993, step time: 1.0401

Batch 150/248, train_loss: 0.8469, step time: 1.0340
Batch 151/248, train_loss: 0.7994, step time: 1.0287
Batch 152/248, train_loss: 0.6054, step time: 1.0404
Batch 153/248, train_loss: 0.7289, step time: 1.0324
Batch 154/248, train_loss: 0.7599, step time: 1.0393
Batch 155/248, train_loss: 0.6934, step time: 1.0209
Batch 156/248, train_loss: 0.7165, step time: 1.0251
Batch 157/248, train_loss: 0.7290, step time: 1.0242
Batch 158/248, train_loss: 0.9925, step time: 1.0335
Batch 159/248, train_loss: 0.7557, step time: 1.0346
Batch 160/248, train_loss: 0.6756, step time: 1.0429
Batch 161/248, train_loss: 0.6795, step time: 1.0389
Batch 162/248, train_loss: 0.6031, step time: 1.0456
Batch 163/248, train_loss: 0.7055, step time: 1.0167
Batch 164/248, train_loss: 0.7150, step time: 1.0225
Batch 165/248, train_loss: 0.8017, step time: 1.0171
Batch 166/248, train_loss: 0.6986, step time: 1.0421
Batch 167/248, train_loss: 0.7009, step time: 1.0167
Batch 168/248, train_loss: 0.7088, step time: 1.0226
Batch 169/248, train_loss: 0.6844, step time: 1.0170
Batch 170/248, train_loss: 0.8109, step time: 1.0200
Batch 171/248, train_loss: 0.6377, step time: 1.0390
Batch 172/248, train_loss: 0.8052, step time: 1.0246
Batch 173/248, train_loss: 0.6557, step time: 1.0335
Batch 174/248, train_loss: 0.9588, step time: 1.0217
Batch 175/248, train_loss: 0.6540, step time: 1.0219
Batch 176/248, train_loss: 0.7805, step time: 1.0266
Batch 177/248, train_loss: 0.7432, step time: 1.0355
Batch 178/248, train_loss: 0.7094, step time: 1.0396
Batch 179/248, train_loss: 0.5915, step time: 1.0175
Batch 180/248, train_loss: 0.7822, step time: 1.0363
Batch 181/248, train_loss: 0.6573, step time: 1.0231
Batch 182/248, train_loss: 0.9504, step time: 1.0395
Batch 183/248, train_loss: 0.6764, step time: 1.0436
Batch 184/248, train_loss: 0.7263, step time: 1.0186
Batch 185/248, train_loss: 0.6967, step time: 1.0422
Batch 186/248, train_loss: 0.6806, step time: 1.0451
Batch 187/248, train_loss: 0.6894, step time: 1.0189
Batch 188/248, train_loss: 0.7249, step time: 1.0461
Batch 189/248, train_loss: 0.7897, step time: 1.0469
Batch 190/248, train_loss: 0.6969, step time: 1.0366
Batch 191/248, train_loss: 0.8204, step time: 1.0235
Batch 192/248, train_loss: 0.7168, step time: 1.0335
Batch 193/248, train_loss: 0.7339, step time: 1.0242
Batch 194/248, train_loss: 0.6940, step time: 1.0306
Batch 195/248, train_loss: 0.8076, step time: 1.0233
Batch 196/248, train_loss: 0.9991, step time: 1.0279
Batch 197/248, train_loss: 0.7326, step time: 1.0434
Batch 198/248, train_loss: 0.9988, step time: 1.0162
Batch 199/248, train_loss: 0.7092, step time: 1.0369
Batch 200/248, train_loss: 0.7008, step time: 1.0239
Batch 201/248, train_loss: 0.6890, step time: 1.0390
Batch 202/248, train_loss: 0.7830, step time: 1.0440
Batch 203/248, train_loss: 0.7853, step time: 1.0273
Batch 204/248, train_loss: 0.6530, step time: 1.0284
Batch 205/248, train_loss: 0.7564, step time: 1.0278
Batch 206/248, train_loss: 0.7741, step time: 1.0377
Batch 207/248, train_loss: 0.6674, step time: 1.0306
Batch 208/248, train_loss: 0.7035, step time: 1.0307
Batch 209/248, train_loss: 0.7008, step time: 1.0383
Batch 210/248, train_loss: 0.6637, step time: 1.0417
Batch 211/248, train_loss: 0.6661, step time: 1.0188
Batch 212/248, train_loss: 0.7191, step time: 1.0290
Batch 213/248, train_loss: 0.7016, step time: 1.0347
Batch 214/248, train_loss: 0.6772, step time: 1.0465
Batch 215/248, train_loss: 0.7694, step time: 1.0226
Batch 216/248, train_loss: 0.7129, step time: 1.0453
Batch 217/248, train_loss: 0.7714, step time: 1.0218
Batch 218/248, train_loss: 0.8913, step time: 1.0404
Batch 219/248, train_loss: 0.6792, step time: 1.0342
Batch 220/248, train_loss: 0.7519, step time: 1.0467
Batch 221/248, train_loss: 0.7389, step time: 1.0358
Batch 222/248, train_loss: 0.7255, step time: 1.0210
Batch 223/248, train_loss: 0.6408, step time: 1.0302
Batch 224/248, train_loss: 0.6727, step time: 1.0211
Batch 225/248, train_loss: 0.7401, step time: 1.0405
Batch 226/248, train_loss: 0.7082, step time: 1.0404
Batch 227/248, train_loss: 0.6766, step time: 1.0195
Batch 228/248, train_loss: 0.7169, step time: 1.0235
Batch 229/248, train_loss: 0.6546, step time: 1.0227
Batch 230/248, train_loss: 0.6744, step time: 1.0151
Batch 231/248, train_loss: 0.7310, step time: 1.0303
Batch 232/248, train_loss: 0.6751, step time: 1.0344
Batch 233/248, train_loss: 0.9716, step time: 1.0181
Batch 234/248. train loss: 0.8141. step time: 1.0193

```
Batch 235/248, train_loss: 0.7332, step time: 1.0306
Batch 236/248, train_loss: 0.8880, step time: 1.0323
Batch 237/248, train_loss: 0.6771, step time: 1.0179
Batch 238/248, train_loss: 0.6835, step time: 1.0185
Batch 239/248, train_loss: 0.5617, step time: 1.0223
Batch 240/248, train_loss: 0.7593, step time: 1.0406
Batch 241/248, train_loss: 0.8566, step time: 1.0455
Batch 242/248, train_loss: 0.7078, step time: 1.0269
Batch 243/248, train_loss: 0.8456, step time: 1.0175
Batch 244/248, train_loss: 0.8034, step time: 1.0274
Batch 245/248, train_loss: 0.6676, step time: 1.0232
Batch 246/248, train_loss: 0.8372, step time: 1.0369
Batch 247/248, train_loss: 0.6123, step time: 1.0311
Batch 248/248, train_loss: 0.9997, step time: 1.0263
```

Labels



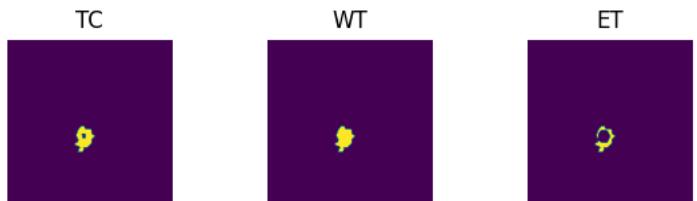
Predictions



VAL

```
Batch 1/31, val_loss: 0.7935
Batch 2/31, val_loss: 0.8701
Batch 3/31, val_loss: 0.8645
Batch 4/31, val_loss: 0.8452
Batch 5/31, val_loss: 0.8407
Batch 6/31, val_loss: 0.6788
Batch 7/31, val_loss: 0.7715
Batch 8/31, val_loss: 0.8555
Batch 9/31, val_loss: 0.6864
Batch 10/31, val_loss: 0.8322
Batch 11/31, val_loss: 0.7503
Batch 12/31, val_loss: 0.8437
Batch 13/31, val_loss: 0.8697
Batch 14/31, val_loss: 0.8405
Batch 15/31, val_loss: 0.8550
Batch 16/31, val_loss: 0.8491
Batch 17/31, val_loss: 0.8511
Batch 18/31, val_loss: 0.8399
Batch 19/31, val_loss: 0.7392
Batch 20/31, val_loss: 0.7906
Batch 21/31, val_loss: 0.8454
Batch 22/31, val_loss: 0.8665
Batch 23/31, val_loss: 0.8605
Batch 24/31, val_loss: 0.7099
Batch 25/31, val_loss: 0.7372
Batch 26/31, val_loss: 0.8083
Batch 27/31, val_loss: 0.8495
Batch 28/31, val_loss: 0.7273
Batch 29/31, val_loss: 0.8813
Batch 30/31, val_loss: 0.8514
Batch 31/31, val_loss: 0.8368
```

Labels



Predictions





```
epoch 48
average train loss: 0.7317
average validation loss: 0.8142
saved as best model: True
current mean dice: 0.2109
current TC dice: 0.5797
current WT dice: 0.0269
current ET dice: 0.0242
Best Mean Metric: 0.2109
time consuming of epoch 48 is: 1692.9109
-----
```

```
epoch 49/100
```

```
TRAIN
```

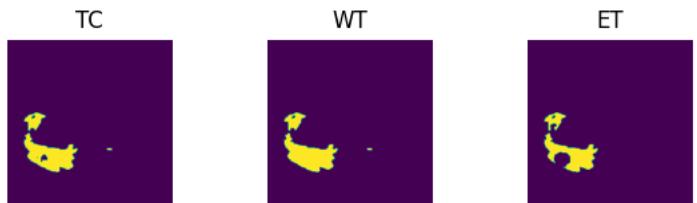
```
Batch 1/248, train_loss: 0.6462, step time: 1.0390
Batch 2/248, train_loss: 0.9045, step time: 1.0187
Batch 3/248, train_loss: 0.7584, step time: 1.0272
Batch 4/248, train_loss: 0.9656, step time: 1.0290
Batch 5/248, train_loss: 0.7234, step time: 1.0427
Batch 6/248, train_loss: 0.7115, step time: 1.0347
Batch 7/248, train_loss: 0.6146, step time: 1.0303
Batch 8/248, train_loss: 0.8858, step time: 1.0255
Batch 9/248, train_loss: 0.6365, step time: 1.0163
Batch 10/248, train_loss: 0.7443, step time: 1.0419
Batch 11/248, train_loss: 0.6947, step time: 1.0245
Batch 12/248, train_loss: 0.7515, step time: 1.0170
Batch 13/248, train_loss: 0.7402, step time: 1.0216
Batch 14/248, train_loss: 0.5992, step time: 1.0229
Batch 15/248, train_loss: 0.7753, step time: 1.0242
Batch 16/248, train_loss: 0.7078, step time: 1.0384
Batch 17/248, train_loss: 0.7224, step time: 1.0175
Batch 18/248, train_loss: 0.7501, step time: 1.0388
Batch 19/248, train_loss: 0.6560, step time: 1.0364
Batch 20/248, train_loss: 0.7113, step time: 1.0306
Batch 21/248, train_loss: 0.6659, step time: 1.0369
Batch 22/248, train_loss: 0.8157, step time: 1.0310
Batch 23/248, train_loss: 0.7680, step time: 1.0258
Batch 24/248, train_loss: 0.6810, step time: 1.0260
Batch 25/248, train_loss: 0.5940, step time: 1.0294
Batch 26/248, train_loss: 0.7940, step time: 1.0286
Batch 27/248, train_loss: 0.6434, step time: 1.0194
Batch 28/248, train_loss: 0.7143, step time: 1.0269
Batch 29/248, train_loss: 0.7898, step time: 1.0175
Batch 30/248, train_loss: 0.7995, step time: 1.0327
Batch 31/248, train_loss: 0.7610, step time: 1.0188
Batch 32/248, train_loss: 0.6757, step time: 1.0404
Batch 33/248, train_loss: 0.6398, step time: 1.0163
Batch 34/248, train_loss: 0.6464, step time: 1.0218
Batch 35/248, train_loss: 0.6700, step time: 1.0236
Batch 36/248, train_loss: 0.7636, step time: 1.0337
Batch 37/248, train_loss: 0.7244, step time: 1.0160
Batch 38/248, train_loss: 0.7417, step time: 1.0346
Batch 39/248, train_loss: 0.7079, step time: 1.0281
Batch 40/248, train_loss: 0.9938, step time: 1.0352
Batch 41/248, train_loss: 0.7030, step time: 1.0232
Batch 42/248, train_loss: 0.6714, step time: 1.0240
Batch 43/248, train_loss: 0.6453, step time: 1.0350
Batch 44/248, train_loss: 0.6973, step time: 1.0312
Batch 45/248, train_loss: 0.8623, step time: 1.0244
Batch 46/248, train_loss: 0.7091, step time: 1.0337
Batch 47/248, train_loss: 0.6827, step time: 1.0331
Batch 48/248, train_loss: 0.7840, step time: 1.0208
Batch 49/248, train_loss: 0.7613, step time: 1.0197
Batch 50/248, train_loss: 0.7011, step time: 1.0339
Batch 51/248, train_loss: 0.7159, step time: 1.0195
Batch 52/248, train_loss: 0.6971, step time: 1.0158
Batch 53/248, train_loss: 0.7742, step time: 1.0173
Batch 54/248, train_loss: 0.7403, step time: 1.0232
Batch 55/248, train_loss: 0.7313, step time: 1.0225
Batch 56/248, train_loss: 0.7186, step time: 1.0208
Batch 57/248, train_loss: 0.7248, step time: 1.0394
Batch 58/248, train_loss: 0.6731, step time: 1.0406
Batch 59/248, train_loss: 0.6739, step time: 1.0277
Batch 60/248, train_loss: 0.6610, step time: 1.0347
Batch 61/248, train_loss: 0.6809, step time: 1.0441
Batch 62/248, train_loss: 0.7507, step time: 1.0201
Batch 63/248, train_loss: 0.8153, step time: 1.0369
Batch 64/248, train_loss: 0.7894, step time: 1.0164
```

Batch 65/248, train_loss: 0.7528, step time: 1.0396
Batch 66/248, train_loss: 0.6986, step time: 1.0230
Batch 67/248, train_loss: 0.6337, step time: 1.0320
Batch 68/248, train_loss: 0.6772, step time: 1.0410
Batch 69/248, train_loss: 0.7796, step time: 1.0334
Batch 70/248, train_loss: 0.6938, step time: 1.0149
Batch 71/248, train_loss: 0.6742, step time: 1.0185
Batch 72/248, train_loss: 0.6578, step time: 1.0369
Batch 73/248, train_loss: 0.6806, step time: 1.0207
Batch 74/248, train_loss: 0.9964, step time: 1.0391
Batch 75/248, train_loss: 0.6748, step time: 1.0335
Batch 76/248, train_loss: 0.7826, step time: 1.0414
Batch 77/248, train_loss: 0.8704, step time: 1.0174
Batch 78/248, train_loss: 0.6997, step time: 1.0217
Batch 79/248, train_loss: 0.7058, step time: 1.0347
Batch 80/248, train_loss: 0.7221, step time: 1.0153
Batch 81/248, train_loss: 0.7183, step time: 1.0411
Batch 82/248, train_loss: 0.6708, step time: 1.0373
Batch 83/248, train_loss: 0.8517, step time: 1.0235
Batch 84/248, train_loss: 0.7220, step time: 1.0286
Batch 85/248, train_loss: 0.7609, step time: 1.0255
Batch 86/248, train_loss: 0.7245, step time: 1.0175
Batch 87/248, train_loss: 0.7496, step time: 1.0362
Batch 88/248, train_loss: 0.7620, step time: 1.0229
Batch 89/248, train_loss: 0.6190, step time: 1.0360
Batch 90/248, train_loss: 0.7229, step time: 1.0268
Batch 91/248, train_loss: 0.7651, step time: 1.0244
Batch 92/248, train_loss: 0.7431, step time: 1.0231
Batch 93/248, train_loss: 0.6915, step time: 1.0286
Batch 94/248, train_loss: 0.7277, step time: 1.0304
Batch 95/248, train_loss: 0.7052, step time: 1.0397
Batch 96/248, train_loss: 0.6953, step time: 1.0399
Batch 97/248, train_loss: 0.7427, step time: 1.0320
Batch 98/248, train_loss: 0.6609, step time: 1.0286
Batch 99/248, train_loss: 0.7785, step time: 1.0202
Batch 100/248, train_loss: 0.7489, step time: 1.0222
Batch 101/248, train_loss: 0.6009, step time: 1.0134
Batch 102/248, train_loss: 0.6858, step time: 1.0208
Batch 103/248, train_loss: 0.7752, step time: 1.0213
Batch 104/248, train_loss: 0.7168, step time: 1.0372
Batch 105/248, train_loss: 0.6511, step time: 1.0320
Batch 106/248, train_loss: 0.7058, step time: 1.0232
Batch 107/248, train_loss: 0.7333, step time: 1.0211
Batch 108/248, train_loss: 0.8482, step time: 1.0419
Batch 109/248, train_loss: 0.7467, step time: 1.0165
Batch 110/248, train_loss: 0.6995, step time: 1.0263
Batch 111/248, train_loss: 0.6520, step time: 1.0370
Batch 112/248, train_loss: 0.6599, step time: 1.0244
Batch 113/248, train_loss: 0.9786, step time: 1.0454
Batch 114/248, train_loss: 0.6351, step time: 1.0167
Batch 115/248, train_loss: 0.6998, step time: 1.0231
Batch 116/248, train_loss: 0.6459, step time: 1.0384
Batch 117/248, train_loss: 0.8665, step time: 1.0437
Batch 118/248, train_loss: 0.7086, step time: 1.0231
Batch 119/248, train_loss: 0.7242, step time: 1.0218
Batch 120/248, train_loss: 0.7191, step time: 1.0478
Batch 121/248, train_loss: 0.7412, step time: 1.0161
Batch 122/248, train_loss: 0.7762, step time: 1.0294
Batch 123/248, train_loss: 0.6594, step time: 1.0432
Batch 124/248, train_loss: 0.7386, step time: 1.0293
Batch 125/248, train_loss: 0.8005, step time: 1.0239
Batch 126/248, train_loss: 0.6982, step time: 1.0390
Batch 127/248, train_loss: 0.6845, step time: 1.0210
Batch 128/248, train_loss: 0.7394, step time: 1.0297
Batch 129/248, train_loss: 0.6291, step time: 1.0248
Batch 130/248, train_loss: 0.6308, step time: 1.0210
Batch 131/248, train_loss: 0.7549, step time: 1.0378
Batch 132/248, train_loss: 0.7184, step time: 1.0425
Batch 133/248, train_loss: 0.6107, step time: 1.0068
Batch 134/248, train_loss: 0.7540, step time: 1.0278
Batch 135/248, train_loss: 0.7078, step time: 1.0292
Batch 136/248, train_loss: 0.6953, step time: 1.0242
Batch 137/248, train_loss: 0.6444, step time: 1.0238
Batch 138/248, train_loss: 0.6381, step time: 1.0286
Batch 139/248, train_loss: 0.6770, step time: 1.0325
Batch 140/248, train_loss: 0.7098, step time: 1.0216
Batch 141/248, train_loss: 0.6818, step time: 1.0399
Batch 142/248, train_loss: 0.8598, step time: 1.0348
Batch 143/248, train_loss: 0.7258, step time: 1.0261
Batch 144/248, train_loss: 0.6708, step time: 1.0395
Batch 145/248, train_loss: 0.5694, step time: 1.0197
Batch 146/248, train_loss: 0.7586, step time: 1.0292
Batch 147/248, train_loss: 0.5607, step time: 1.0391
Batch 148/248, train_loss: 0.8140, step time: 1.0196
Batch 149/248, train_loss: 0.6963, step time: 1.0475

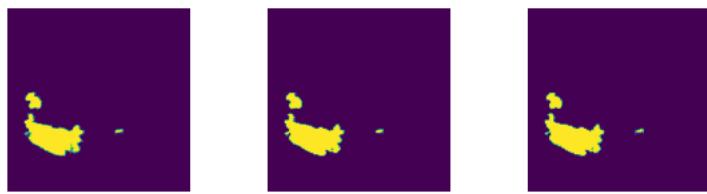
Batch 125/248, train_loss: 0.5559, step time: 1.0225
Batch 150/248, train_loss: 0.8237, step time: 1.0269
Batch 151/248, train_loss: 0.7413, step time: 1.0343
Batch 152/248, train_loss: 0.5658, step time: 1.0308
Batch 153/248, train_loss: 0.7291, step time: 1.0199
Batch 154/248, train_loss: 0.7702, step time: 1.0315
Batch 155/248, train_loss: 0.6894, step time: 1.0217
Batch 156/248, train_loss: 0.7009, step time: 1.0348
Batch 157/248, train_loss: 0.6977, step time: 1.0223
Batch 158/248, train_loss: 0.9965, step time: 1.0313
Batch 159/248, train_loss: 0.7518, step time: 1.0231
Batch 160/248, train_loss: 0.6624, step time: 1.0226
Batch 161/248, train_loss: 0.6752, step time: 1.0401
Batch 162/248, train_loss: 0.5389, step time: 1.0075
Batch 163/248, train_loss: 0.7067, step time: 1.0215
Batch 164/248, train_loss: 0.7080, step time: 1.0193
Batch 165/248, train_loss: 0.8228, step time: 1.0236
Batch 166/248, train_loss: 0.6900, step time: 1.0461
Batch 167/248, train_loss: 0.6943, step time: 1.0376
Batch 168/248, train_loss: 0.6960, step time: 1.0367
Batch 169/248, train_loss: 0.6623, step time: 1.0331
Batch 170/248, train_loss: 0.8130, step time: 1.0198
Batch 171/248, train_loss: 0.5840, step time: 1.0236
Batch 172/248, train_loss: 0.8194, step time: 1.0233
Batch 173/248, train_loss: 0.6218, step time: 1.0251
Batch 174/248, train_loss: 0.8429, step time: 1.0326
Batch 175/248, train_loss: 0.5951, step time: 1.0291
Batch 176/248, train_loss: 0.7704, step time: 1.0231
Batch 177/248, train_loss: 0.7330, step time: 1.0330
Batch 178/248, train_loss: 0.6910, step time: 1.0233
Batch 179/248, train_loss: 0.5130, step time: 1.0230
Batch 180/248, train_loss: 0.7715, step time: 1.0236
Batch 181/248, train_loss: 0.6085, step time: 1.0374
Batch 182/248, train_loss: 0.9493, step time: 1.0194
Batch 183/248, train_loss: 0.6674, step time: 1.0265
Batch 184/248, train_loss: 0.7137, step time: 1.0245
Batch 185/248, train_loss: 0.6803, step time: 1.0277
Batch 186/248, train_loss: 0.6491, step time: 1.0379
Batch 187/248, train_loss: 0.6675, step time: 1.0437
Batch 188/248, train_loss: 0.7147, step time: 1.0199
Batch 189/248, train_loss: 0.7888, step time: 1.0493
Batch 190/248, train_loss: 0.6671, step time: 1.0294
Batch 191/248, train_loss: 0.8143, step time: 1.4004
Batch 192/248, train_loss: 0.6848, step time: 1.0329
Batch 193/248, train_loss: 0.7292, step time: 1.0383
Batch 194/248, train_loss: 0.6823, step time: 1.0319
Batch 195/248, train_loss: 0.8115, step time: 1.0303
Batch 196/248, train_loss: 0.9970, step time: 1.0313
Batch 197/248, train_loss: 0.7325, step time: 1.0252
Batch 198/248, train_loss: 0.9996, step time: 1.0152
Batch 199/248, train_loss: 0.6919, step time: 1.0219
Batch 200/248, train_loss: 0.6842, step time: 1.0349
Batch 201/248, train_loss: 0.6450, step time: 1.0179
Batch 202/248, train_loss: 0.7677, step time: 1.0416
Batch 203/248, train_loss: 0.7842, step time: 1.0165
Batch 204/248, train_loss: 0.5791, step time: 1.0208
Batch 205/248, train_loss: 0.7451, step time: 1.0152
Batch 206/248, train_loss: 0.7590, step time: 1.0225
Batch 207/248, train_loss: 0.6090, step time: 1.0317
Batch 208/248, train_loss: 0.6847, step time: 1.0284
Batch 209/248, train_loss: 0.6655, step time: 1.0268
Batch 210/248, train_loss: 0.6019, step time: 1.0158
Batch 211/248, train_loss: 0.5979, step time: 1.0241
Batch 212/248, train_loss: 0.7131, step time: 1.0457
Batch 213/248, train_loss: 0.6900, step time: 1.0404
Batch 214/248, train_loss: 0.6255, step time: 1.0287
Batch 215/248, train_loss: 0.7290, step time: 1.0265
Batch 216/248, train_loss: 0.6344, step time: 1.0190
Batch 217/248, train_loss: 0.7583, step time: 1.0253
Batch 218/248, train_loss: 0.8631, step time: 1.0404
Batch 219/248, train_loss: 0.6212, step time: 1.0358
Batch 220/248, train_loss: 0.7324, step time: 1.0236
Batch 221/248, train_loss: 0.7165, step time: 1.0412
Batch 222/248, train_loss: 0.6438, step time: 1.0343
Batch 223/248, train_loss: 0.5058, step time: 1.0221
Batch 224/248, train_loss: 0.5667, step time: 1.0182
Batch 225/248, train_loss: 0.7350, step time: 1.0296
Batch 226/248, train_loss: 0.7002, step time: 1.0316
Batch 227/248, train_loss: 0.5925, step time: 1.0202
Batch 228/248, train_loss: 0.6930, step time: 1.0193
Batch 229/248, train_loss: 0.4949, step time: 1.0195
Batch 230/248, train_loss: 0.5867, step time: 1.0163
Batch 231/248, train_loss: 0.7534, step time: 1.0254
Batch 232/248, train_loss: 0.5875, step time: 1.0395
Batch 233/248, train_loss: 0.9720, step time: 1.0387

```
Batch 234/248, train_loss: 0.8127, step time: 1.0254
Batch 235/248, train_loss: 0.7264, step time: 1.0306
Batch 236/248, train_loss: 0.8893, step time: 1.0339
Batch 237/248, train_loss: 0.5037, step time: 1.0377
Batch 238/248, train_loss: 0.5572, step time: 1.0222
Batch 239/248, train_loss: 0.3611, step time: 1.0387
Batch 240/248, train_loss: 0.7385, step time: 1.0425
Batch 241/248, train_loss: 0.8745, step time: 1.0255
Batch 242/248, train_loss: 0.6840, step time: 1.0391
Batch 243/248, train_loss: 0.8350, step time: 1.0405
Batch 244/248, train_loss: 0.7955, step time: 1.0153
Batch 245/248, train_loss: 0.5049, step time: 1.0389
Batch 246/248, train_loss: 0.7953, step time: 1.0225
Batch 247/248, train_loss: 0.4046, step time: 1.0392
Batch 248/248, train_loss: 0.9999, step time: 1.0160
```

Labels



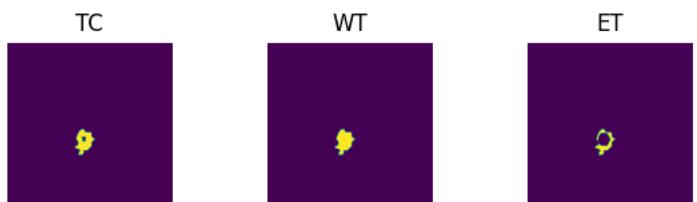
Predictions



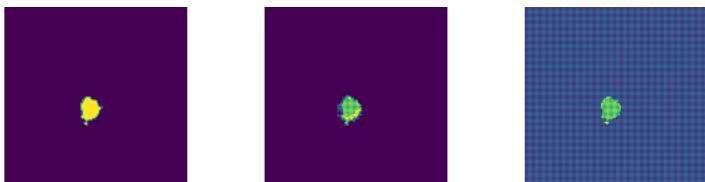
VAL

```
Batch 1/31, val_loss: 0.7849
Batch 2/31, val_loss: 0.8557
Batch 3/31, val_loss: 0.8604
Batch 4/31, val_loss: 0.8460
Batch 5/31, val_loss: 0.8370
Batch 6/31, val_loss: 0.6481
Batch 7/31, val_loss: 0.7596
Batch 8/31, val_loss: 0.8504
Batch 9/31, val_loss: 0.6571
Batch 10/31, val_loss: 0.8228
Batch 11/31, val_loss: 0.7239
Batch 12/31, val_loss: 0.8414
Batch 13/31, val_loss: 0.8601
Batch 14/31, val_loss: 0.8399
Batch 15/31, val_loss: 0.8481
Batch 16/31, val_loss: 0.8450
Batch 17/31, val_loss: 0.8477
Batch 18/31, val_loss: 0.8314
Batch 19/31, val_loss: 0.7182
Batch 20/31, val_loss: 0.7737
Batch 21/31, val_loss: 0.8392
Batch 22/31, val_loss: 0.8689
Batch 23/31, val_loss: 0.8597
Batch 24/31, val_loss: 0.6719
Batch 25/31, val_loss: 0.7149
Batch 26/31, val_loss: 0.7922
Batch 27/31, val_loss: 0.8468
Batch 28/31, val_loss: 0.7071
Batch 29/31, val_loss: 0.8875
Batch 30/31, val_loss: 0.8413
Batch 31/31, val_loss: 0.8338
```

Labels



Predictions



```
epoch 49
    average train loss: 0.7160
    average validation loss: 0.8037
    saved as best model: True
    current mean dice: 0.3705
    current TC dice: 0.5647
    current WT dice: 0.5184
    current ET dice: 0.0245
Best Mean Metric: 0.3705
time consuming of epoch 49 is: 1671.3603
```

```
epoch 50/100
```

```
TRAIN
```

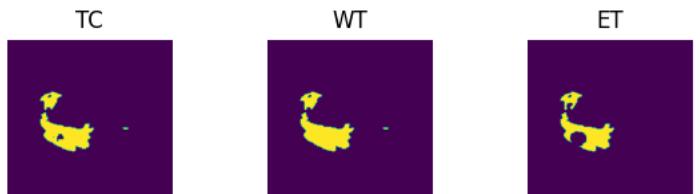
```
Batch 1/248, train_loss: 0.4423, step time: 1.0186
Batch 2/248, train_loss: 0.9072, step time: 1.0273
Batch 3/248, train_loss: 0.7464, step time: 1.0192
Batch 4/248, train_loss: 0.9849, step time: 1.0249
Batch 5/248, train_loss: 0.6570, step time: 1.0285
Batch 6/248, train_loss: 0.6310, step time: 1.0160
Batch 7/248, train_loss: 0.3942, step time: 1.0185
Batch 8/248, train_loss: 0.7704, step time: 1.0352
Batch 9/248, train_loss: 0.4197, step time: 1.0160
Batch 10/248, train_loss: 0.7111, step time: 1.0334
Batch 11/248, train_loss: 0.6039, step time: 1.0308
Batch 12/248, train_loss: 0.7542, step time: 1.0297
Batch 13/248, train_loss: 0.7169, step time: 1.0311
Batch 14/248, train_loss: 0.3667, step time: 1.0210
Batch 15/248, train_loss: 0.7338, step time: 1.0267
Batch 16/248, train_loss: 0.6163, step time: 1.0356
Batch 17/248, train_loss: 0.7317, step time: 1.0375
Batch 18/248, train_loss: 0.7490, step time: 1.0229
Batch 19/248, train_loss: 0.4426, step time: 1.0243
Batch 20/248, train_loss: 0.5515, step time: 1.0241
Batch 21/248, train_loss: 0.4582, step time: 1.0218
Batch 22/248, train_loss: 0.9737, step time: 1.0182
Batch 23/248, train_loss: 0.8127, step time: 1.0342
Batch 24/248, train_loss: 0.4884, step time: 1.0390
Batch 25/248, train_loss: 0.3602, step time: 1.0300
Batch 26/248, train_loss: 0.7695, step time: 1.0294
Batch 27/248, train_loss: 0.4103, step time: 1.0366
Batch 28/248, train_loss: 0.5855, step time: 1.0461
Batch 29/248, train_loss: 0.7700, step time: 1.0207
Batch 30/248, train_loss: 0.5935, step time: 1.0180
Batch 31/248, train_loss: 0.6781, step time: 1.0372
Batch 32/248, train_loss: 0.4454, step time: 1.0344
Batch 33/248, train_loss: 0.3855, step time: 1.0163
Batch 34/248, train_loss: 0.3963, step time: 1.0205
Batch 35/248, train_loss: 0.4449, step time: 1.0284
Batch 36/248, train_loss: 0.7722, step time: 1.0266
Batch 37/248, train_loss: 0.5206, step time: 1.0276
Batch 38/248, train_loss: 0.6217, step time: 1.0256
Batch 39/248, train_loss: 0.5154, step time: 1.0273
Batch 40/248, train_loss: 0.9957, step time: 1.0376
Batch 41/248, train_loss: 0.4779, step time: 1.0373
Batch 42/248, train_loss: 0.4286, step time: 1.0331
Batch 43/248, train_loss: 0.3795, step time: 1.0244
Batch 44/248, train_loss: 0.4819, step time: 1.0185
Batch 45/248, train_loss: 0.7831, step time: 1.0186
Batch 46/248, train_loss: 0.4853, step time: 1.0245
Batch 47/248, train_loss: 0.4805, step time: 1.0189
Batch 48/248, train_loss: 0.5259, step time: 1.0247
Batch 49/248, train_loss: 0.7005, step time: 1.0243
Batch 50/248, train_loss: 0.5037, step time: 1.0227
Batch 51/248, train_loss: 0.5104, step time: 1.0301
Batch 52/248, train_loss: 0.4592, step time: 1.0224
Batch 53/248, train_loss: 0.6148, step time: 1.0398
Batch 54/248, train_loss: 0.5274, step time: 1.0375
Batch 55/248, train_loss: 0.5994, step time: 1.0210
Batch 56/248, train_loss: 0.5066, step time: 1.0172
Batch 57/248, train_loss: 0.5256, step time: 1.0398
Batch 58/248, train_loss: 0.4042, step time: 1.0271
Batch 59/248, train_loss: 0.4163, step time: 1.0373
Batch 60/248, train_loss: 0.3825, step time: 1.0336
Batch 61/248, train_loss: 0.4076, step time: 1.0156
Batch 62/248, train_loss: 0.6081, step time: 1.0218
Batch 63/248, train_loss: 0.7701, step time: 1.0359
Batch 64/248, train_loss: 0.6926, step time: 1.0212
```

Batch 54/248, train_loss: 0.6920, step time: 1.0222
Batch 65/248, train_loss: 0.5342, step time: 1.0420
Batch 66/248, train_loss: 0.4619, step time: 1.0335
Batch 67/248, train_loss: 0.3662, step time: 1.0244
Batch 68/248, train_loss: 0.4107, step time: 1.0277
Batch 69/248, train_loss: 0.8311, step time: 1.0282
Batch 70/248, train_loss: 0.4152, step time: 1.0246
Batch 71/248, train_loss: 0.4272, step time: 1.0362
Batch 72/248, train_loss: 0.3756, step time: 1.0373
Batch 73/248, train_loss: 0.4384, step time: 1.0309
Batch 74/248, train_loss: 0.9969, step time: 1.0304
Batch 75/248, train_loss: 0.4017, step time: 1.0261
Batch 76/248, train_loss: 0.7061, step time: 1.0242
Batch 77/248, train_loss: 0.7953, step time: 1.0357
Batch 78/248, train_loss: 0.4509, step time: 1.0326
Batch 79/248, train_loss: 0.4579, step time: 1.0247
Batch 80/248, train_loss: 0.5078, step time: 1.0213
Batch 81/248, train_loss: 0.5211, step time: 1.0247
Batch 82/248, train_loss: 0.3984, step time: 1.0239
Batch 83/248, train_loss: 0.7983, step time: 1.0440
Batch 84/248, train_loss: 0.4808, step time: 1.0307
Batch 85/248, train_loss: 0.6750, step time: 1.0426
Batch 86/248, train_loss: 0.6485, step time: 1.0396
Batch 87/248, train_loss: 0.6410, step time: 1.0253
Batch 88/248, train_loss: 0.6235, step time: 1.0149
Batch 89/248, train_loss: 0.3605, step time: 1.0303
Batch 90/248, train_loss: 0.5092, step time: 1.0218
Batch 91/248, train_loss: 0.6863, step time: 1.0273
Batch 92/248, train_loss: 0.5098, step time: 1.0306
Batch 93/248, train_loss: 0.4341, step time: 1.0283
Batch 94/248, train_loss: 0.6381, step time: 1.0292
Batch 95/248, train_loss: 0.4473, step time: 1.0247
Batch 96/248, train_loss: 0.4327, step time: 1.0197
Batch 97/248, train_loss: 0.8381, step time: 1.0268
Batch 98/248, train_loss: 0.3947, step time: 1.0274
Batch 99/248, train_loss: 0.5707, step time: 1.0221
Batch 100/248, train_loss: 0.6665, step time: 1.0153
Batch 101/248, train_loss: 0.3459, step time: 1.0255
Batch 102/248, train_loss: 0.4777, step time: 1.0299
Batch 103/248, train_loss: 0.6788, step time: 1.0370
Batch 104/248, train_loss: 0.4624, step time: 1.0178
Batch 105/248, train_loss: 0.3818, step time: 1.0176
Batch 106/248, train_loss: 0.4353, step time: 1.0258
Batch 107/248, train_loss: 0.5629, step time: 1.0141
Batch 108/248, train_loss: 0.7410, step time: 1.0218
Batch 109/248, train_loss: 0.5922, step time: 1.0398
Batch 110/248, train_loss: 0.4305, step time: 1.0205
Batch 111/248, train_loss: 0.3806, step time: 1.0189
Batch 112/248, train_loss: 0.3796, step time: 1.0317
Batch 113/248, train_loss: 0.9983, step time: 1.0142
Batch 114/248, train_loss: 0.3826, step time: 1.0219
Batch 115/248, train_loss: 0.4465, step time: 1.0160
Batch 116/248, train_loss: 0.3763, step time: 1.0300
Batch 117/248, train_loss: 0.8433, step time: 1.0204
Batch 118/248, train_loss: 0.4974, step time: 1.0205
Batch 119/248, train_loss: 0.4603, step time: 1.0248
Batch 120/248, train_loss: 0.4717, step time: 1.0356
Batch 121/248, train_loss: 0.5313, step time: 1.0168
Batch 122/248, train_loss: 0.5838, step time: 1.0317
Batch 123/248, train_loss: 0.3868, step time: 1.0192
Batch 124/248, train_loss: 0.5096, step time: 1.0331
Batch 125/248, train_loss: 0.6991, step time: 1.0418
Batch 126/248, train_loss: 0.5717, step time: 1.0374
Batch 127/248, train_loss: 0.4050, step time: 1.0359
Batch 128/248, train_loss: 0.5001, step time: 1.0201
Batch 129/248, train_loss: 0.3813, step time: 1.0252
Batch 130/248, train_loss: 0.3820, step time: 1.0269
Batch 131/248, train_loss: 0.5556, step time: 1.0161
Batch 132/248, train_loss: 0.5314, step time: 1.0393
Batch 133/248, train_loss: 0.4246, step time: 1.0212
Batch 134/248, train_loss: 0.8493, step time: 1.0278
Batch 135/248, train_loss: 0.5279, step time: 1.0424
Batch 136/248, train_loss: 0.4216, step time: 1.0431
Batch 137/248, train_loss: 0.4325, step time: 1.0341
Batch 138/248, train_loss: 0.3681, step time: 1.0205
Batch 139/248, train_loss: 0.4680, step time: 1.0234
Batch 140/248, train_loss: 0.4483, step time: 1.0358
Batch 141/248, train_loss: 0.4342, step time: 1.0371
Batch 142/248, train_loss: 0.7360, step time: 1.0333
Batch 143/248, train_loss: 0.4997, step time: 1.0241
Batch 144/248, train_loss: 0.4407, step time: 1.0287
Batch 145/248, train_loss: 0.3660, step time: 1.0125
Batch 146/248, train_loss: 0.5689, step time: 1.0245
Batch 147/248, train_loss: 0.3388, step time: 1.0388
Batch 148/248, train_loss: 0.6288, step time: 1.0301

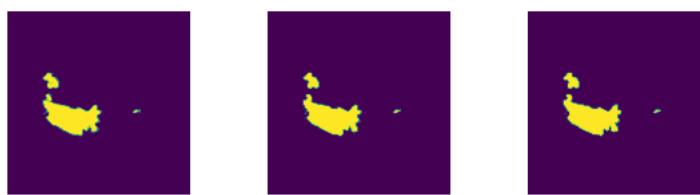
Batch 149/248, train_loss: 0.4264, step time: 1.0338
Batch 150/248, train_loss: 0.7264, step time: 1.0301
Batch 151/248, train_loss: 0.5037, step time: 1.0299
Batch 152/248, train_loss: 0.3323, step time: 1.0124
Batch 153/248, train_loss: 0.5038, step time: 1.0181
Batch 154/248, train_loss: 0.5934, step time: 1.0220
Batch 155/248, train_loss: 0.4393, step time: 1.0345
Batch 156/248, train_loss: 0.4418, step time: 1.0191
Batch 157/248, train_loss: 0.4864, step time: 1.0297
Batch 158/248, train_loss: 0.9975, step time: 1.0253
Batch 159/248, train_loss: 0.6217, step time: 1.0180
Batch 160/248, train_loss: 0.4000, step time: 1.0315
Batch 161/248, train_loss: 0.3872, step time: 1.0269
Batch 162/248, train_loss: 0.3445, step time: 1.0386
Batch 163/248, train_loss: 0.4765, step time: 1.0353
Batch 164/248, train_loss: 0.4334, step time: 1.0273
Batch 165/248, train_loss: 0.7088, step time: 1.0448
Batch 166/248, train_loss: 0.4219, step time: 1.0199
Batch 167/248, train_loss: 0.4506, step time: 1.0434
Batch 168/248, train_loss: 0.4316, step time: 1.0191
Batch 169/248, train_loss: 0.3987, step time: 1.0207
Batch 170/248, train_loss: 0.6731, step time: 1.0259
Batch 171/248, train_loss: 0.3680, step time: 1.0148
Batch 172/248, train_loss: 0.7869, step time: 1.0235
Batch 173/248, train_loss: 0.3688, step time: 1.0373
Batch 174/248, train_loss: 0.7724, step time: 1.0386
Batch 175/248, train_loss: 0.3768, step time: 1.0433
Batch 176/248, train_loss: 0.5063, step time: 1.0217
Batch 177/248, train_loss: 0.5860, step time: 1.0365
Batch 178/248, train_loss: 0.4549, step time: 1.0434
Batch 179/248, train_loss: 0.3497, step time: 1.0356
Batch 180/248, train_loss: 0.5642, step time: 1.0300
Batch 181/248, train_loss: 0.3748, step time: 1.0239
Batch 182/248, train_loss: 0.8853, step time: 1.0314
Batch 183/248, train_loss: 0.3770, step time: 1.0295
Batch 184/248, train_loss: 0.5850, step time: 1.0187
Batch 185/248, train_loss: 0.4142, step time: 1.0210
Batch 186/248, train_loss: 0.4001, step time: 1.0427
Batch 187/248, train_loss: 0.4145, step time: 1.0394
Batch 188/248, train_loss: 0.4737, step time: 1.0375
Batch 189/248, train_loss: 0.6502, step time: 1.0174
Batch 190/248, train_loss: 0.4254, step time: 1.0377
Batch 191/248, train_loss: 0.6942, step time: 1.0238
Batch 192/248, train_loss: 0.4678, step time: 1.0293
Batch 193/248, train_loss: 0.5041, step time: 1.0385
Batch 194/248, train_loss: 0.4108, step time: 1.0128
Batch 195/248, train_loss: 0.6994, step time: 1.0144
Batch 196/248, train_loss: 0.9999, step time: 1.0215
Batch 197/248, train_loss: 0.4938, step time: 1.0258
Batch 198/248, train_loss: 0.9649, step time: 1.0193
Batch 199/248, train_loss: 0.4377, step time: 1.0324
Batch 200/248, train_loss: 0.4192, step time: 1.0223
Batch 201/248, train_loss: 0.4117, step time: 1.0382
Batch 202/248, train_loss: 0.5840, step time: 1.0166
Batch 203/248, train_loss: 0.6085, step time: 1.0335
Batch 204/248, train_loss: 0.4202, step time: 1.0438
Batch 205/248, train_loss: 0.5299, step time: 1.0280
Batch 206/248, train_loss: 0.6666, step time: 1.0400
Batch 207/248, train_loss: 0.3703, step time: 1.0152
Batch 208/248, train_loss: 0.4463, step time: 1.0359
Batch 209/248, train_loss: 0.4244, step time: 1.0380
Batch 210/248, train_loss: 0.3801, step time: 1.0472
Batch 211/248, train_loss: 0.3809, step time: 1.0262
Batch 212/248, train_loss: 0.4559, step time: 1.0166
Batch 213/248, train_loss: 0.4352, step time: 1.0340
Batch 214/248, train_loss: 0.3915, step time: 1.0340
Batch 215/248, train_loss: 0.4877, step time: 1.0368
Batch 216/248, train_loss: 0.4547, step time: 1.0299
Batch 217/248, train_loss: 0.5587, step time: 1.0388
Batch 218/248, train_loss: 0.7786, step time: 1.0271
Batch 219/248, train_loss: 0.3879, step time: 1.0369
Batch 220/248, train_loss: 0.5149, step time: 1.0276
Batch 221/248, train_loss: 0.4764, step time: 1.0189
Batch 222/248, train_loss: 0.4704, step time: 1.0361
Batch 223/248, train_loss: 0.3518, step time: 1.0246
Batch 224/248, train_loss: 0.3881, step time: 1.0250
Batch 225/248, train_loss: 0.5456, step time: 1.0365
Batch 226/248, train_loss: 0.4390, step time: 1.0206
Batch 227/248, train_loss: 0.3837, step time: 1.0151
Batch 228/248, train_loss: 0.4519, step time: 1.0223
Batch 229/248, train_loss: 0.3796, step time: 1.0213
Batch 230/248, train_loss: 0.3713, step time: 1.0211
Batch 231/248, train_loss: 0.5040, step time: 1.0282
Batch 232/248, train_loss: 0.3936, step time: 1.0219
Batch 233/248, train_loss: 0.9727, step time: 1.0246

```
Batch 234/248, train_loss: 0.6602, step time: 1.0206
Batch 235/248, train_loss: 0.5145, step time: 1.0326
Batch 236/248, train_loss: 0.7953, step time: 1.0249
Batch 237/248, train_loss: 0.4075, step time: 1.0335
Batch 238/248, train_loss: 0.3946, step time: 1.0416
Batch 239/248, train_loss: 0.3460, step time: 1.0204
Batch 240/248, train_loss: 0.5690, step time: 1.0287
Batch 241/248, train_loss: 0.7728, step time: 1.0186
Batch 242/248, train_loss: 0.4401, step time: 1.0325
Batch 243/248, train_loss: 0.6366, step time: 1.0250
Batch 244/248, train_loss: 0.6426, step time: 1.0304
Batch 245/248, train_loss: 0.3786, step time: 1.0239
Batch 246/248, train_loss: 0.6974, step time: 1.0245
Batch 247/248, train_loss: 0.3563, step time: 1.0252
Batch 248/248, train_loss: 0.9997, step time: 1.0208
```

Labels



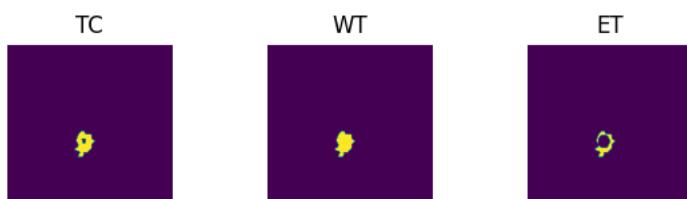
Predictions



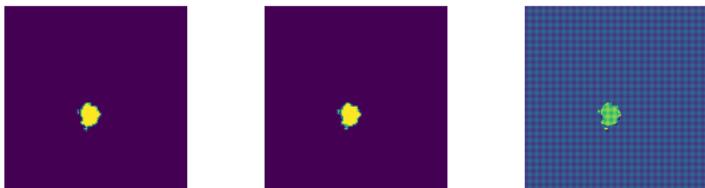
VAL

```
Batch 1/31, val_loss: 0.7150
Batch 2/31, val_loss: 0.7732
Batch 3/31, val_loss: 0.7921
Batch 4/31, val_loss: 0.7713
Batch 5/31, val_loss: 0.7705
Batch 6/31, val_loss: 0.5995
Batch 7/31, val_loss: 0.6995
Batch 8/31, val_loss: 0.7931
Batch 9/31, val_loss: 0.5955
Batch 10/31, val_loss: 0.7607
Batch 11/31, val_loss: 0.6478
Batch 12/31, val_loss: 0.7776
Batch 13/31, val_loss: 0.8040
Batch 14/31, val_loss: 0.7743
Batch 15/31, val_loss: 0.7845
Batch 16/31, val_loss: 0.7547
Batch 17/31, val_loss: 0.7736
Batch 18/31, val_loss: 0.7587
Batch 19/31, val_loss: 0.6573
Batch 20/31, val_loss: 0.7262
Batch 21/31, val_loss: 0.7874
Batch 22/31, val_loss: 0.8108
Batch 23/31, val_loss: 0.7967
Batch 24/31, val_loss: 0.6182
Batch 25/31, val_loss: 0.6460
Batch 26/31, val_loss: 0.7106
Batch 27/31, val_loss: 0.7955
Batch 28/31, val_loss: 0.6429
Batch 29/31, val_loss: 0.8171
Batch 30/31, val_loss: 0.7720
Batch 31/31, val_loss: 0.7786
```

Labels



Predictions



```
epoch 50
  average train loss: 0.5389
  average validation loss: 0.7389
  saved as best model: True
  current mean dice: 0.3886
  current TC dice: 0.5690
  current WT dice: 0.5653
  current ET dice: 0.0240
Best Mean Metric: 0.3886
time consuming of epoch 50 is: 1663.1284
```

```
-----
```

```
epoch 51/100
```

```
TRAIN
```

```
Batch 1/248, train_loss: 0.3687, step time: 1.0262
Batch 2/248, train_loss: 0.8329, step time: 1.0399
Batch 3/248, train_loss: 0.5522, step time: 1.0343
Batch 4/248, train_loss: 0.9938, step time: 1.0188
Batch 5/248, train_loss: 0.4839, step time: 1.0419
Batch 6/248, train_loss: 0.4379, step time: 1.0323
Batch 7/248, train_loss: 0.3502, step time: 1.0218
Batch 8/248, train_loss: 0.7559, step time: 1.0154
Batch 9/248, train_loss: 0.3447, step time: 1.0274
Batch 10/248, train_loss: 0.5222, step time: 1.0186
Batch 11/248, train_loss: 0.3980, step time: 1.0326
Batch 12/248, train_loss: 0.5380, step time: 1.0222
Batch 13/248, train_loss: 0.5170, step time: 1.0207
Batch 14/248, train_loss: 0.3381, step time: 1.0286
Batch 15/248, train_loss: 0.5639, step time: 1.0216
Batch 16/248, train_loss: 0.4231, step time: 1.0148
Batch 17/248, train_loss: 0.4860, step time: 1.0331
Batch 18/248, train_loss: 0.5086, step time: 1.0264
Batch 19/248, train_loss: 0.3819, step time: 1.0453
Batch 20/248, train_loss: 0.4438, step time: 1.0448
Batch 21/248, train_loss: 0.3753, step time: 1.0173
Batch 22/248, train_loss: 0.9258, step time: 1.0372
Batch 23/248, train_loss: 0.6644, step time: 1.0272
Batch 24/248, train_loss: 0.3946, step time: 1.0394
Batch 25/248, train_loss: 0.3428, step time: 1.0219
Batch 26/248, train_loss: 0.6470, step time: 1.0455
Batch 27/248, train_loss: 0.3603, step time: 1.0189
Batch 28/248, train_loss: 0.4573, step time: 1.0215
Batch 29/248, train_loss: 0.5983, step time: 1.0228
Batch 30/248, train_loss: 0.6427, step time: 1.0149
Batch 31/248, train_loss: 0.5151, step time: 1.0322
Batch 32/248, train_loss: 0.3813, step time: 1.0353
Batch 33/248, train_loss: 0.3531, step time: 1.0248
Batch 34/248, train_loss: 0.3547, step time: 1.0312
Batch 35/248, train_loss: 0.3710, step time: 1.0320
Batch 36/248, train_loss: 0.5721, step time: 1.0300
Batch 37/248, train_loss: 0.4355, step time: 1.0413
Batch 38/248, train_loss: 0.4915, step time: 1.0214
Batch 39/248, train_loss: 0.4502, step time: 1.0465
Batch 40/248, train_loss: 0.9838, step time: 1.0205
Batch 41/248, train_loss: 0.4449, step time: 1.0235
Batch 42/248, train_loss: 0.3884, step time: 1.0176
Batch 43/248, train_loss: 0.3585, step time: 1.0394
Batch 44/248, train_loss: 0.4367, step time: 1.0229
Batch 45/248, train_loss: 0.7118, step time: 1.0186
Batch 46/248, train_loss: 0.4195, step time: 1.0170
Batch 47/248, train_loss: 0.3919, step time: 1.0331
Batch 48/248, train_loss: 0.4675, step time: 1.0179
Batch 49/248, train_loss: 0.5448, step time: 1.0323
Batch 50/248, train_loss: 0.4181, step time: 1.0316
Batch 51/248, train_loss: 0.4375, step time: 1.0163
Batch 52/248, train_loss: 0.4021, step time: 1.0208
Batch 53/248, train_loss: 0.5481, step time: 1.0456
Batch 54/248, train_loss: 0.4724, step time: 1.0282
Batch 55/248, train_loss: 0.4969, step time: 1.0150
Batch 56/248, train_loss: 0.4456, step time: 1.0321
Batch 57/248, train_loss: 0.4689, step time: 1.0251
Batch 58/248, train_loss: 0.3824, step time: 1.0191
Batch 59/248, train_loss: 0.3861, step time: 1.0194
Batch 60/248, train_loss: 0.3627, step time: 1.0198
Batch 61/248, train_loss: 0.3852, step time: 1.0178
Batch 62/248, train_loss: 0.5073, step time: 1.0377
Batch 63/248, train_loss: 0.6535, step time: 1.0322
```

Batch 64/248, train_loss: 0.5786, step time: 1.0189
Batch 65/248, train_loss: 0.5005, step time: 1.0229
Batch 66/248, train_loss: 0.4082, step time: 1.0143
Batch 67/248, train_loss: 0.3592, step time: 1.0212
Batch 68/248, train_loss: 0.3991, step time: 1.0355
Batch 69/248, train_loss: 0.6487, step time: 1.0251
Batch 70/248, train_loss: 0.4028, step time: 1.0176
Batch 71/248, train_loss: 0.4078, step time: 1.0206
Batch 72/248, train_loss: 0.3628, step time: 1.0316
Batch 73/248, train_loss: 0.4146, step time: 1.0179
Batch 74/248, train_loss: 0.9955, step time: 1.0195
Batch 75/248, train_loss: 0.3979, step time: 1.0335
Batch 76/248, train_loss: 0.5698, step time: 1.0362
Batch 77/248, train_loss: 0.7885, step time: 1.0263
Batch 78/248, train_loss: 0.4200, step time: 1.0126
Batch 79/248, train_loss: 0.4154, step time: 1.0386
Batch 80/248, train_loss: 0.4595, step time: 1.0276
Batch 81/248, train_loss: 0.4522, step time: 1.0199
Batch 82/248, train_loss: 0.3882, step time: 1.0306
Batch 83/248, train_loss: 0.7259, step time: 1.0367
Batch 84/248, train_loss: 0.4445, step time: 1.0263
Batch 85/248, train_loss: 0.5531, step time: 1.0415
Batch 86/248, train_loss: 0.4744, step time: 1.0189
Batch 87/248, train_loss: 0.5236, step time: 1.0230
Batch 88/248, train_loss: 0.5357, step time: 1.0370
Batch 89/248, train_loss: 0.3625, step time: 1.0397
Batch 90/248, train_loss: 0.4477, step time: 1.0225
Batch 91/248, train_loss: 0.5630, step time: 1.0296
Batch 92/248, train_loss: 0.4838, step time: 1.0134
Batch 93/248, train_loss: 0.4283, step time: 1.0347
Batch 94/248, train_loss: 0.4623, step time: 1.0385
Batch 95/248, train_loss: 0.4410, step time: 1.0361
Batch 96/248, train_loss: 0.4225, step time: 1.0333
Batch 97/248, train_loss: 0.6241, step time: 1.0365
Batch 98/248, train_loss: 0.3895, step time: 1.0235
Batch 99/248, train_loss: 0.5050, step time: 1.0185
Batch 100/248, train_loss: 0.5514, step time: 1.0191
Batch 101/248, train_loss: 0.3447, step time: 1.0186
Batch 102/248, train_loss: 0.3886, step time: 1.0187
Batch 103/248, train_loss: 0.5528, step time: 1.0312
Batch 104/248, train_loss: 0.4434, step time: 1.0200
Batch 105/248, train_loss: 0.3764, step time: 1.0425
Batch 106/248, train_loss: 0.4179, step time: 1.0429
Batch 107/248, train_loss: 0.4986, step time: 1.0339
Batch 108/248, train_loss: 0.7173, step time: 1.0331
Batch 109/248, train_loss: 0.5677, step time: 1.0192
Batch 110/248, train_loss: 0.6261, step time: 1.0302
Batch 111/248, train_loss: 0.3777, step time: 1.0215
Batch 112/248, train_loss: 0.3895, step time: 1.0277
Batch 113/248, train_loss: 0.9962, step time: 1.0409
Batch 114/248, train_loss: 0.3869, step time: 1.0300
Batch 115/248, train_loss: 0.5447, step time: 1.0159
Batch 116/248, train_loss: 0.3955, step time: 1.0238
Batch 117/248, train_loss: 0.8861, step time: 1.0204
Batch 118/248, train_loss: 0.9267, step time: 1.0400
Batch 119/248, train_loss: 0.4752, step time: 1.0266
Batch 120/248, train_loss: 0.5479, step time: 1.0256
Batch 121/248, train_loss: 0.8263, step time: 1.0222
Batch 122/248, train_loss: 0.8895, step time: 1.0220
Batch 123/248, train_loss: 0.4529, step time: 1.0195
Batch 124/248, train_loss: 0.9088, step time: 1.0217
Batch 125/248, train_loss: 0.7045, step time: 1.0351
Batch 126/248, train_loss: 0.4383, step time: 1.0196
Batch 127/248, train_loss: 0.3909, step time: 1.0172
Batch 128/248, train_loss: 0.4597, step time: 1.0315
Batch 129/248, train_loss: 0.3798, step time: 1.0170
Batch 130/248, train_loss: 0.3846, step time: 1.0145
Batch 131/248, train_loss: 0.5773, step time: 1.0149
Batch 132/248, train_loss: 0.4833, step time: 1.0278
Batch 133/248, train_loss: 0.4053, step time: 1.0392
Batch 134/248, train_loss: 0.6869, step time: 1.0152
Batch 135/248, train_loss: 0.4433, step time: 1.0414
Batch 136/248, train_loss: 0.4086, step time: 1.0288
Batch 137/248, train_loss: 0.3971, step time: 1.0153
Batch 138/248, train_loss: 0.3621, step time: 1.0142
Batch 139/248, train_loss: 0.4421, step time: 1.0245
Batch 140/248, train_loss: 0.4468, step time: 1.0331
Batch 141/248, train_loss: 0.4248, step time: 1.0410
Batch 142/248, train_loss: 0.7386, step time: 1.0206
Batch 143/248, train_loss: 0.4886, step time: 1.0363
Batch 144/248, train_loss: 0.4447, step time: 1.0319
Batch 145/248, train_loss: 0.3376, step time: 1.0168
Batch 146/248, train_loss: 0.5015, step time: 1.0334
Batch 147/248, train_loss: 0.3302, step time: 1.0177
Batch 148/248, train_loss: 0.8335, step time: 1.0349

Batch 149/248, train_loss: 0.4207, step time: 1.0373
Batch 150/248, train_loss: 0.7331, step time: 1.0303
Batch 151/248, train_loss: 0.4522, step time: 1.0235
Batch 152/248, train_loss: 0.3289, step time: 1.0365
Batch 153/248, train_loss: 0.5023, step time: 1.0231
Batch 154/248, train_loss: 0.5069, step time: 1.0183
Batch 155/248, train_loss: 0.4116, step time: 1.0396
Batch 156/248, train_loss: 0.4291, step time: 1.0186
Batch 157/248, train_loss: 0.4843, step time: 1.0384
Batch 158/248, train_loss: 0.9968, step time: 1.0197
Batch 159/248, train_loss: 0.5778, step time: 1.0289
Batch 160/248, train_loss: 0.3927, step time: 1.0287
Batch 161/248, train_loss: 0.3740, step time: 1.0213
Batch 162/248, train_loss: 0.3688, step time: 1.0368
Batch 163/248, train_loss: 0.4384, step time: 1.0191
Batch 164/248, train_loss: 0.4817, step time: 1.0219
Batch 165/248, train_loss: 0.6485, step time: 1.0434
Batch 166/248, train_loss: 0.4114, step time: 1.0269
Batch 167/248, train_loss: 0.4216, step time: 1.0229
Batch 168/248, train_loss: 0.4339, step time: 1.0238
Batch 169/248, train_loss: 0.3948, step time: 1.0295
Batch 170/248, train_loss: 0.6796, step time: 1.0410
Batch 171/248, train_loss: 0.3687, step time: 1.0368
Batch 172/248, train_loss: 0.7006, step time: 1.0257
Batch 173/248, train_loss: 0.3687, step time: 1.0375
Batch 174/248, train_loss: 0.6927, step time: 1.0391
Batch 175/248, train_loss: 0.4193, step time: 1.0377
Batch 176/248, train_loss: 0.5088, step time: 1.0289
Batch 177/248, train_loss: 0.5417, step time: 1.0343
Batch 178/248, train_loss: 0.4527, step time: 1.0196
Batch 179/248, train_loss: 0.3576, step time: 1.0183
Batch 180/248, train_loss: 0.5794, step time: 1.0335
Batch 181/248, train_loss: 0.3720, step time: 1.0166
Batch 182/248, train_loss: 0.8907, step time: 1.0245
Batch 183/248, train_loss: 0.3734, step time: 1.0334
Batch 184/248, train_loss: 0.5123, step time: 1.0229
Batch 185/248, train_loss: 0.4166, step time: 1.0172
Batch 186/248, train_loss: 0.3893, step time: 1.0327
Batch 187/248, train_loss: 0.4162, step time: 1.0182
Batch 188/248, train_loss: 0.4746, step time: 1.0257
Batch 189/248, train_loss: 0.6119, step time: 1.0357
Batch 190/248, train_loss: 0.4215, step time: 1.0338
Batch 191/248, train_loss: 0.6532, step time: 1.0230
Batch 192/248, train_loss: 0.4642, step time: 1.0189
Batch 193/248, train_loss: 0.4878, step time: 1.0404
Batch 194/248, train_loss: 0.3997, step time: 1.0424
Batch 195/248, train_loss: 0.6489, step time: 1.0196
Batch 196/248, train_loss: 0.9999, step time: 1.0276
Batch 197/248, train_loss: 0.4751, step time: 1.0434
Batch 198/248, train_loss: 0.9979, step time: 1.0360
Batch 199/248, train_loss: 0.4271, step time: 1.0211
Batch 200/248, train_loss: 0.4137, step time: 1.0211
Batch 201/248, train_loss: 0.4121, step time: 1.0302
Batch 202/248, train_loss: 0.5735, step time: 1.0345
Batch 203/248, train_loss: 0.6587, step time: 1.0152
Batch 204/248, train_loss: 0.4743, step time: 1.0185
Batch 205/248, train_loss: 0.5272, step time: 1.0462
Batch 206/248, train_loss: 0.5468, step time: 1.0384
Batch 207/248, train_loss: 0.3762, step time: 1.0260
Batch 208/248, train_loss: 0.4402, step time: 1.0346
Batch 209/248, train_loss: 0.4247, step time: 1.0155
Batch 210/248, train_loss: 0.3670, step time: 1.0252
Batch 211/248, train_loss: 0.3798, step time: 1.0311
Batch 212/248, train_loss: 0.4452, step time: 1.0186
Batch 213/248, train_loss: 0.4070, step time: 1.0349
Batch 214/248, train_loss: 0.3797, step time: 1.0278
Batch 215/248, train_loss: 0.5084, step time: 1.0199
Batch 216/248, train_loss: 0.4322, step time: 1.0149
Batch 217/248, train_loss: 0.5709, step time: 1.0439
Batch 218/248, train_loss: 0.7520, step time: 1.0182
Batch 219/248, train_loss: 0.3824, step time: 1.0211
Batch 220/248, train_loss: 0.4965, step time: 1.0153
Batch 221/248, train_loss: 0.4746, step time: 1.0197
Batch 222/248, train_loss: 0.4673, step time: 1.0439
Batch 223/248, train_loss: 0.3516, step time: 1.0312
Batch 224/248, train_loss: 0.3874, step time: 1.0173
Batch 225/248, train_loss: 0.5044, step time: 1.0342
Batch 226/248, train_loss: 0.4371, step time: 1.0200
Batch 227/248, train_loss: 0.3856, step time: 1.0211
Batch 228/248, train_loss: 0.4450, step time: 1.0275
Batch 229/248, train_loss: 0.3729, step time: 1.0343
Batch 230/248, train_loss: 0.3696, step time: 1.0250
Batch 231/248, train_loss: 0.4798, step time: 1.0216

