

✓ SegResNet

 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 21.8 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 5.6 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 20.2 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.
Successfully installed einops-0.8.0 monai-1.3.1 nvidia-cublas-cu12-12.1.3.1 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 SEGRESNET
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}")
```

```
平淡无奇的输出
平淡无奇的输出
```

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

```
平淡无奇的输出
平淡无奇的输出
```

```
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 = "SegResNet"
3 model = SEGRESNET
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 = (240, 240, 160)
8
9 # Training Configuration
10 init_epoch = 50 # 0 if new training
11 best_epoch = 46 # 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()

```

	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	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 init_epoch is not None:
6     if os.path.exists(f"outputs/{model_name}/last_{model_name}_{init_epoch}.pth"):
7         model.load_state_dict(torch.load(f"outputs/{model_name}/last_{model_name}_{init_epoch}.pth"))
8
9 # Report File Headers
10 if init_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 51/100

TRAIN

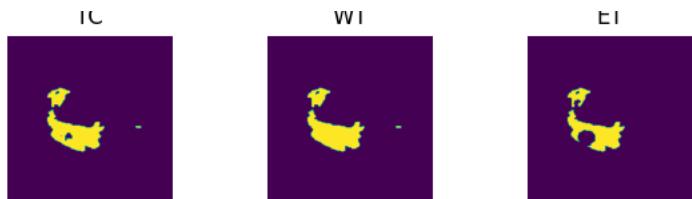
Batch 1/248, train_loss: 0.0666, step time: 8.1748
Batch 2/248, train_loss: 0.6451, step time: 1.3296
Batch 3/248, train_loss: 0.3121, step time: 1.3449
Batch 4/248, train_loss: 0.9390, step time: 1.3513
Batch 5/248, train_loss: 0.2521, step time: 1.3595
Batch 6/248, train_loss: 0.3367, step time: 1.3500
Batch 7/248, train_loss: 0.1138, step time: 1.3475
Batch 8/248, train_loss: 0.6453, step time: 1.3244
Batch 9/248, train_loss: 0.0408, step time: 1.3168
Batch 10/248, train_loss: 0.2446, step time: 1.3487
Batch 11/248, train_loss: 0.1828, step time: 1.3339
Batch 12/248, train_loss: 0.4040, step time: 1.3599
Batch 13/248, train_loss: 0.3132, step time: 1.3397
Batch 14/248, train_loss: 0.0714, step time: 1.3655
Batch 15/248, train_loss: 0.3674, step time: 1.3291
Batch 16/248, train_loss: 0.1603, step time: 1.3304
Batch 17/248, train_loss: 0.2862, step time: 1.3294
Batch 18/248, train_loss: 0.3831, step time: 1.3445
Batch 19/248, train_loss: 0.2008, step time: 1.3571
Batch 20/248, train_loss: 0.4130, step time: 1.3442
Batch 21/248, train_loss: 0.0731, step time: 1.3488
Batch 22/248, train_loss: 0.7199, step time: 1.3660
Batch 23/248, train_loss: 0.4820, step time: 1.3372
Batch 24/248, train_loss: 0.1676, step time: 1.3367
Batch 25/248, train_loss: 0.0631, step time: 1.3363
Batch 26/248, train_loss: 0.3945, step time: 1.3349
Batch 27/248, train_loss: 0.0664, step time: 1.3453
Batch 28/248, train_loss: 0.1643, step time: 1.3335
Batch 29/248, train_loss: 0.4513, step time: 1.3634
Batch 30/248, train_loss: 0.2650, step time: 1.3471
Batch 31/248, train_loss: 0.3056, step time: 1.3546
Batch 32/248, train_loss: 0.0728, step time: 1.3626
Batch 33/248, train_loss: 0.0817, step time: 1.3364
Batch 34/248, train_loss: 0.0398, step time: 1.3418
Batch 35/248, train_loss: 0.0607, step time: 1.3787
Batch 36/248, train_loss: 0.5888, step time: 1.3615
Batch 37/248, train_loss: 0.1512, step time: 1.3733
Batch 38/248, train_loss: 0.2979, step time: 1.3674
Batch 39/248, train_loss: 0.1653, step time: 1.3559
Batch 40/248, train_loss: 0.7054, step time: 1.3635
Batch 41/248, train_loss: 0.2557, step time: 1.3402
Batch 42/248, train_loss: 0.0673, step time: 1.3311
Batch 43/248, train_loss: 0.0580, step time: 1.3617
Batch 44/248, train_loss: 0.1372, step time: 1.3590
Batch 45/248, train_loss: 0.6761, step time: 1.3526
Batch 46/248, train_loss: 0.1522, step time: 1.3637
Batch 47/248, train_loss: 0.0838, step time: 1.3613
Batch 48/248, train_loss: 0.1867, step time: 1.3749
Batch 49/248, train_loss: 0.3924, step time: 1.3636
Batch 50/248, train_loss: 0.1429, step time: 1.3774
Batch 51/248, train_loss: 0.1445, step time: 1.3387
Batch 52/248, train_loss: 0.1535, step time: 1.3498
Batch 53/248, train_loss: 0.3895, step time: 1.3405
Batch 54/248, train_loss: 0.2732, step time: 1.3496
Batch 55/248, train_loss: 0.2801, step time: 1.3567
Batch 56/248, train_loss: 0.1918, step time: 1.3604
Batch 57/248, train_loss: 0.2280, step time: 1.3507
Batch 58/248, train_loss: 0.0728, step time: 1.3315
Batch 59/248, train_loss: 0.1031, step time: 1.3556
Batch 60/248, train_loss: 0.0713, step time: 1.3566
Batch 61/248, train_loss: 0.1339, step time: 1.3529
Batch 62/248, train_loss: 0.2195, step time: 1.3702
Batch 63/248, train_loss: 0.4273, step time: 1.3412
Batch 64/248, train_loss: 0.4126, step time: 1.3326
Batch 65/248, train_loss: 0.2819, step time: 1.3719
Batch 66/248, train_loss: 0.1184, step time: 1.3284
Batch 67/248, train_loss: 0.0661, step time: 1.3185
Batch 68/248, train_loss: 0.0988, step time: 1.3315
Batch 69/248, train_loss: 0.6431, step time: 1.3593
Batch 70/248, train_loss: 0.1696, step time: 1.3304
Batch 71/248, train_loss: 0.1440, step time: 1.3487
Batch 72/248, train_loss: 0.0807, step time: 1.3282
Batch 73/248, train_loss: 0.1431, step time: 1.3191
Batch 74/248, train_loss: 0.9863, step time: 1.3400
Batch 75/248, train_loss: 0.1429, step time: 1.3677
Batch 76/248, train_loss: 0.8585, step time: 1.3632
Batch 77/248, train_loss: 0.8078, step time: 1.3769
Batch 78/248, train_loss: 0.1204, step time: 1.3556
Batch 79/248, train_loss: 0.1483, step time: 1.3347
Batch 80/248, train_loss: 0.2412, step time: 1.3482
Batch 81/248, train_loss: 0.1379, step time: 1.3388

Batch 82/248, train_loss: 0.0957, step time: 1.3627
Batch 83/248, train_loss: 0.4897, step time: 1.3745
Batch 84/248, train_loss: 0.2883, step time: 1.3598
Batch 85/248, train_loss: 0.3183, step time: 1.3375
Batch 86/248, train_loss: 0.2344, step time: 1.3431
Batch 87/248, train_loss: 0.8462, step time: 1.3350
Batch 88/248, train_loss: 0.4025, step time: 1.3779
Batch 89/248, train_loss: 0.0835, step time: 1.3725
Batch 90/248, train_loss: 0.2246, step time: 1.3673
Batch 91/248, train_loss: 0.3293, step time: 1.3747
Batch 92/248, train_loss: 0.6852, step time: 1.3601
Batch 93/248, train_loss: 0.1503, step time: 1.3766
Batch 94/248, train_loss: 0.2951, step time: 1.3694
Batch 95/248, train_loss: 0.1805, step time: 1.3959
Batch 96/248, train_loss: 0.1349, step time: 1.3770
Batch 97/248, train_loss: 0.9071, step time: 1.3875
Batch 98/248, train_loss: 0.0998, step time: 1.3856
Batch 99/248, train_loss: 0.3018, step time: 1.3900
Batch 100/248, train_loss: 0.4208, step time: 1.3731
Batch 101/248, train_loss: 0.0418, step time: 1.3468
Batch 102/248, train_loss: 0.1200, step time: 1.3664
Batch 103/248, train_loss: 0.4867, step time: 1.3906
Batch 104/248, train_loss: 0.2899, step time: 1.3899
Batch 105/248, train_loss: 0.0859, step time: 1.3557
Batch 106/248, train_loss: 0.1359, step time: 1.3738
Batch 107/248, train_loss: 0.3227, step time: 1.3944
Batch 108/248, train_loss: 0.5164, step time: 1.3637
Batch 109/248, train_loss: 0.9769, step time: 1.3958
Batch 110/248, train_loss: 0.9972, step time: 1.3828
Batch 111/248, train_loss: 0.1170, step time: 1.3670
Batch 112/248, train_loss: 0.2422, step time: 1.3662
Batch 113/248, train_loss: 0.9790, step time: 1.3834
Batch 114/248, train_loss: 0.2124, step time: 1.3866
Batch 115/248, train_loss: 0.3002, step time: 1.3908
Batch 116/248, train_loss: 0.1186, step time: 1.3867
Batch 117/248, train_loss: 0.5488, step time: 1.3992
Batch 118/248, train_loss: 0.9055, step time: 1.3759
Batch 119/248, train_loss: 0.4968, step time: 1.3726
Batch 120/248, train_loss: 0.2884, step time: 1.3687
Batch 121/248, train_loss: 0.2563, step time: 1.4029
Batch 122/248, train_loss: 0.4809, step time: 1.3917
Batch 123/248, train_loss: 0.0883, step time: 1.3682
Batch 124/248, train_loss: 0.2877, step time: 1.3886
Batch 125/248, train_loss: 0.4896, step time: 1.3652
Batch 126/248, train_loss: 0.3181, step time: 1.4019
Batch 127/248, train_loss: 0.1467, step time: 1.3737
Batch 128/248, train_loss: 0.1849, step time: 1.3739
Batch 129/248, train_loss: 0.1039, step time: 1.3670
Batch 130/248, train_loss: 0.1188, step time: 1.3809
Batch 131/248, train_loss: 0.5154, step time: 1.3704
Batch 132/248, train_loss: 0.2529, step time: 1.3786
Batch 133/248, train_loss: 0.1561, step time: 1.3687
Batch 134/248, train_loss: 0.9649, step time: 1.3854
Batch 135/248, train_loss: 0.2019, step time: 1.3760
Batch 136/248, train_loss: 0.1687, step time: 1.3647
Batch 137/248, train_loss: 0.1332, step time: 1.3822
Batch 138/248, train_loss: 0.0723, step time: 1.3536
Batch 139/248, train_loss: 0.2514, step time: 1.3638
Batch 140/248, train_loss: 0.1622, step time: 1.3798
Batch 141/248, train_loss: 0.1481, step time: 1.3930
Batch 142/248, train_loss: 0.6955, step time: 1.3962
Batch 143/248, train_loss: 0.2240, step time: 1.3814
Batch 144/248, train_loss: 0.1048, step time: 1.3939
Batch 145/248, train_loss: 0.0619, step time: 1.3939
Batch 146/248, train_loss: 0.4713, step time: 1.3983
Batch 147/248, train_loss: 0.0533, step time: 1.3585
Batch 148/248, train_loss: 0.7962, step time: 1.4092
Batch 149/248, train_loss: 0.1364, step time: 1.3616
Batch 150/248, train_loss: 0.6450, step time: 1.3965
Batch 151/248, train_loss: 0.2119, step time: 1.3752
Batch 152/248, train_loss: 0.0475, step time: 1.3923
Batch 153/248, train_loss: 0.2094, step time: 1.3875
Batch 154/248, train_loss: 0.5030, step time: 1.3747
Batch 155/248, train_loss: 0.0848, step time: 1.3790
Batch 156/248, train_loss: 0.1924, step time: 1.3982
Batch 157/248, train_loss: 0.2967, step time: 1.3645
Batch 158/248, train_loss: 0.9341, step time: 1.3735
Batch 159/248, train_loss: 0.5028, step time: 1.3925
Batch 160/248, train_loss: 0.1299, step time: 1.3893
Batch 161/248, train_loss: 0.1085, step time: 1.3683
Batch 162/248, train_loss: 0.1375, step time: 1.3856
Batch 163/248, train_loss: 0.1435, step time: 1.3944
Batch 164/248, train_loss: 0.2780, step time: 1.3971
Batch 165/248, train_loss: 0.6217, step time: 1.3827
Batch 166/248, train_loss: 0.1572, step time: 1.3906

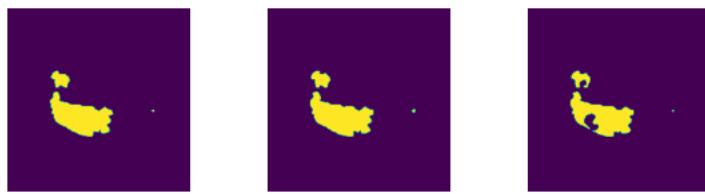
Batch 167/248, train_loss: 0.1883, step time: 1.3821
Batch 168/248, train_loss: 0.1676, step time: 1.3864
Batch 169/248, train_loss: 0.1138, step time: 1.4036
Batch 170/248, train_loss: 0.5819, step time: 1.3997
Batch 171/248, train_loss: 0.0873, step time: 1.3855
Batch 172/248, train_loss: 0.6530, step time: 1.3871
Batch 173/248, train_loss: 0.1084, step time: 1.3922
Batch 174/248, train_loss: 0.4996, step time: 1.3986
Batch 175/248, train_loss: 0.1385, step time: 1.3921
Batch 176/248, train_loss: 0.4164, step time: 1.3639
Batch 177/248, train_loss: 0.3292, step time: 1.3766
Batch 178/248, train_loss: 0.2467, step time: 1.3803
Batch 179/248, train_loss: 0.0735, step time: 1.3667
Batch 180/248, train_loss: 0.3792, step time: 1.3912
Batch 181/248, train_loss: 0.1022, step time: 1.3693
Batch 182/248, train_loss: 0.9294, step time: 1.3853
Batch 183/248, train_loss: 0.1362, step time: 1.4015
Batch 184/248, train_loss: 0.2672, step time: 1.3748
Batch 185/248, train_loss: 0.1090, step time: 1.3917
Batch 186/248, train_loss: 0.0870, step time: 1.3747
Batch 187/248, train_loss: 0.1977, step time: 1.3850
Batch 188/248, train_loss: 0.2644, step time: 1.3720
Batch 189/248, train_loss: 0.5055, step time: 1.3703
Batch 190/248, train_loss: 0.1313, step time: 1.3620
Batch 191/248, train_loss: 0.6395, step time: 1.3877
Batch 192/248, train_loss: 0.3567, step time: 1.3672
Batch 193/248, train_loss: 0.2656, step time: 1.3835
Batch 194/248, train_loss: 0.0835, step time: 1.3586
Batch 195/248, train_loss: 0.7217, step time: 1.3846
Batch 196/248, train_loss: 0.6724, step time: 1.3931
Batch 197/248, train_loss: 0.1692, step time: 1.3640
Batch 198/248, train_loss: 0.9859, step time: 1.3717
Batch 199/248, train_loss: 0.1533, step time: 1.3841
Batch 200/248, train_loss: 0.1341, step time: 1.3678
Batch 201/248, train_loss: 0.1134, step time: 1.3800
Batch 202/248, train_loss: 0.4094, step time: 1.3919
Batch 203/248, train_loss: 0.5611, step time: 1.3819
Batch 204/248, train_loss: 0.0977, step time: 1.3653
Batch 205/248, train_loss: 0.2500, step time: 1.4010
Batch 206/248, train_loss: 0.8254, step time: 1.3968
Batch 207/248, train_loss: 0.1175, step time: 1.3638
Batch 208/248, train_loss: 0.1521, step time: 1.3793
Batch 209/248, train_loss: 0.1661, step time: 1.3755
Batch 210/248, train_loss: 0.0682, step time: 1.3545
Batch 211/248, train_loss: 0.0774, step time: 1.3553
Batch 212/248, train_loss: 0.2361, step time: 1.3627
Batch 213/248, train_loss: 0.1971, step time: 1.3905
Batch 214/248, train_loss: 0.0939, step time: 1.3982
Batch 215/248, train_loss: 0.3690, step time: 1.3874
Batch 216/248, train_loss: 0.1816, step time: 1.3946
Batch 217/248, train_loss: 0.5223, step time: 1.3927
Batch 218/248, train_loss: 0.7213, step time: 1.3779
Batch 219/248, train_loss: 0.0924, step time: 1.3629
Batch 220/248, train_loss: 0.2244, step time: 1.4030
Batch 221/248, train_loss: 0.2496, step time: 1.3759
Batch 222/248, train_loss: 0.1979, step time: 1.3739
Batch 223/248, train_loss: 0.0580, step time: 1.3739
Batch 224/248, train_loss: 0.0948, step time: 1.3622
Batch 225/248, train_loss: 0.5348, step time: 1.3813
Batch 226/248, train_loss: 0.3788, step time: 1.3907
Batch 227/248, train_loss: 0.1132, step time: 1.3710
Batch 228/248, train_loss: 0.1507, step time: 1.3782
Batch 229/248, train_loss: 0.1159, step time: 1.3771
Batch 230/248, train_loss: 0.0897, step time: 1.4029
Batch 231/248, train_loss: 0.3079, step time: 1.3923
Batch 232/248, train_loss: 0.0791, step time: 1.3602
Batch 233/248, train_loss: 0.9616, step time: 1.3639
Batch 234/248, train_loss: 0.5153, step time: 1.3690
Batch 235/248, train_loss: 0.2230, step time: 1.3719
Batch 236/248, train_loss: 0.7721, step time: 1.3844
Batch 237/248, train_loss: 0.1468, step time: 1.3998
Batch 238/248, train_loss: 0.1023, step time: 1.3944
Batch 239/248, train_loss: 0.0605, step time: 1.3746
Batch 240/248, train_loss: 0.4192, step time: 1.3781
Batch 241/248, train_loss: 0.7217, step time: 1.3888
Batch 242/248, train_loss: 0.1537, step time: 1.3920
Batch 243/248, train_loss: 0.4620, step time: 1.3684
Batch 244/248, train_loss: 0.4800, step time: 1.3879
Batch 245/248, train_loss: 0.0737, step time: 1.3625
Batch 246/248, train_loss: 0.5672, step time: 1.3954
Batch 247/248, train_loss: 0.0949, step time: 1.3706
Batch 248/248, train_loss: 0.9999, step time: 1.3432

Labels

— — — — —



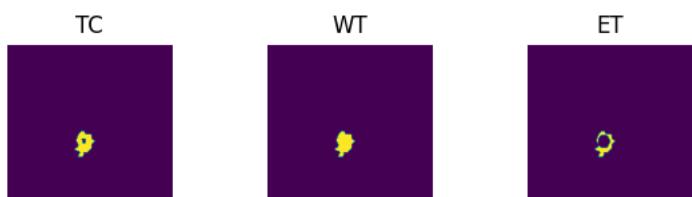
Predictions



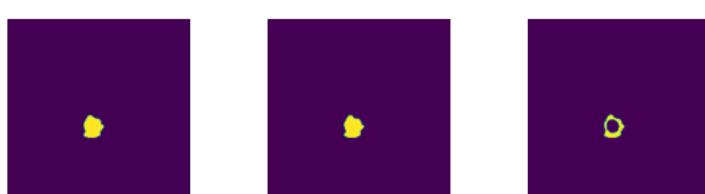
VAL

```
Batch 1/31, val_loss: 0.8428
Batch 2/31, val_loss: 0.9932
Batch 3/31, val_loss: 0.9693
Batch 4/31, val_loss: 0.9482
Batch 5/31, val_loss: 0.9920
Batch 6/31, val_loss: 0.7229
Batch 7/31, val_loss: 0.8433
Batch 8/31, val_loss: 0.9525
Batch 9/31, val_loss: 0.7036
Batch 10/31, val_loss: 0.9114
Batch 11/31, val_loss: 0.8207
Batch 12/31, val_loss: 0.9742
Batch 13/31, val_loss: 0.9858
Batch 14/31, val_loss: 0.9442
Batch 15/31, val_loss: 0.9852
Batch 16/31, val_loss: 0.9718
Batch 17/31, val_loss: 0.9705
Batch 18/31, val_loss: 0.9379
Batch 19/31, val_loss: 0.7509
Batch 20/31, val_loss: 0.8627
Batch 21/31, val_loss: 0.8850
Batch 22/31, val_loss: 0.9634
Batch 23/31, val_loss: 0.9715
Batch 24/31, val_loss: 0.7514
Batch 25/31, val_loss: 0.8054
Batch 26/31, val_loss: 0.9239
Batch 27/31, val_loss: 0.9726
Batch 28/31, val_loss: 0.7478
Batch 29/31, val_loss: 0.9829
Batch 30/31, val_loss: 0.9634
Batch 31/31, val_loss: 0.9726
```

Labels



Predictions



```
epoch 51
average train loss: 0.3046
average validation loss: 0.9040
saved as best model: True
current mean dice: 0.6036
current TC dice: 0.6349
current WT dice: 0.6418
current ET dice: 0.5735
Best Mean Metric: 0.6036
```

time consuming of epoch 51 is: 3922.1156

epoch 52/100

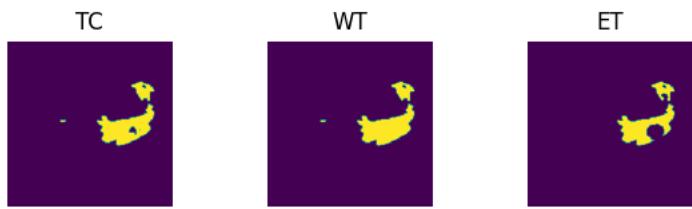
TRAIN

Batch 1/248, train_loss: 0.0720, step time: 1.4081
Batch 2/248, train_loss: 0.7535, step time: 1.3642
Batch 3/248, train_loss: 0.4069, step time: 1.3699
Batch 4/248, train_loss: 0.9846, step time: 1.3753
Batch 5/248, train_loss: 0.2367, step time: 1.3668
Batch 6/248, train_loss: 0.4335, step time: 1.3823
Batch 7/248, train_loss: 0.1175, step time: 1.3701
Batch 8/248, train_loss: 0.8398, step time: 1.4032
Batch 9/248, train_loss: 0.0405, step time: 1.3598
Batch 10/248, train_loss: 0.2489, step time: 1.3699
Batch 11/248, train_loss: 0.2120, step time: 1.3694
Batch 12/248, train_loss: 0.3704, step time: 1.3875
Batch 13/248, train_loss: 0.2441, step time: 1.3851
Batch 14/248, train_loss: 0.0658, step time: 1.3501
Batch 15/248, train_loss: 0.3383, step time: 1.3550
Batch 16/248, train_loss: 0.1747, step time: 1.3618
Batch 17/248, train_loss: 0.2786, step time: 1.3959
Batch 18/248, train_loss: 0.2746, step time: 1.3738
Batch 19/248, train_loss: 0.4150, step time: 1.3861
Batch 20/248, train_loss: 0.1843, step time: 1.3681
Batch 21/248, train_loss: 0.0646, step time: 1.3799
Batch 22/248, train_loss: 0.9024, step time: 1.3821
Batch 23/248, train_loss: 0.5976, step time: 1.3927
Batch 24/248, train_loss: 0.0902, step time: 1.3872
Batch 25/248, train_loss: 0.0717, step time: 1.3658
Batch 26/248, train_loss: 0.3900, step time: 1.3990
Batch 27/248, train_loss: 0.1265, step time: 1.3712
Batch 28/248, train_loss: 0.1626, step time: 1.3884
Batch 29/248, train_loss: 0.4912, step time: 1.3964
Batch 30/248, train_loss: 0.3573, step time: 1.3832
Batch 31/248, train_loss: 0.2996, step time: 1.3604
Batch 32/248, train_loss: 0.0993, step time: 1.3801
Batch 33/248, train_loss: 0.0682, step time: 1.3793
Batch 34/248, train_loss: 0.0536, step time: 1.3503
Batch 35/248, train_loss: 0.0709, step time: 1.3688
Batch 36/248, train_loss: 0.4951, step time: 1.3763
Batch 37/248, train_loss: 0.1844, step time: 1.3632
Batch 38/248, train_loss: 0.3001, step time: 1.3656
Batch 39/248, train_loss: 0.1994, step time: 1.3637
Batch 40/248, train_loss: 0.7548, step time: 1.3720
Batch 41/248, train_loss: 0.3583, step time: 1.3782
Batch 42/248, train_loss: 0.0599, step time: 1.3603
Batch 43/248, train_loss: 0.0592, step time: 1.3587
Batch 44/248, train_loss: 0.1750, step time: 1.3791
Batch 45/248, train_loss: 0.6410, step time: 1.3738
Batch 46/248, train_loss: 0.1558, step time: 1.3691
Batch 47/248, train_loss: 0.0905, step time: 1.3645
Batch 48/248, train_loss: 0.1909, step time: 1.3737
Batch 49/248, train_loss: 0.4205, step time: 1.3926
Batch 50/248, train_loss: 0.1338, step time: 1.3783
Batch 51/248, train_loss: 0.1618, step time: 1.3780
Batch 52/248, train_loss: 0.1101, step time: 1.3625
Batch 53/248, train_loss: 0.3856, step time: 1.3799
Batch 54/248, train_loss: 0.2505, step time: 1.3667
Batch 55/248, train_loss: 0.2583, step time: 1.3702
Batch 56/248, train_loss: 0.1693, step time: 1.3705
Batch 57/248, train_loss: 0.2614, step time: 1.4022
Batch 58/248, train_loss: 0.0839, step time: 1.3897
Batch 59/248, train_loss: 0.0987, step time: 1.3600
Batch 60/248, train_loss: 0.0835, step time: 1.3689
Batch 61/248, train_loss: 0.0992, step time: 1.3643
Batch 62/248, train_loss: 0.2492, step time: 1.3549
Batch 63/248, train_loss: 0.3860, step time: 1.3773
Batch 64/248, train_loss: 0.3752, step time: 1.3573
Batch 65/248, train_loss: 0.5685, step time: 1.3927
Batch 66/248, train_loss: 0.1313, step time: 1.3801
Batch 67/248, train_loss: 0.0763, step time: 1.3970
Batch 68/248, train_loss: 0.0966, step time: 1.3874
Batch 69/248, train_loss: 0.6176, step time: 1.3673
Batch 70/248, train_loss: 0.1786, step time: 1.3927
Batch 71/248, train_loss: 0.1502, step time: 1.3931
Batch 72/248, train_loss: 0.0564, step time: 1.3742
Batch 73/248, train_loss: 0.3290, step time: 1.3679
Batch 74/248, train_loss: 0.9896, step time: 1.3735
Batch 75/248, train_loss: 0.1090, step time: 1.3829
Batch 76/248, train_loss: 0.5347, step time: 1.4042
Batch 77/248, train_loss: 0.7878, step time: 1.3814
Batch 78/248, train_loss: 0.1427, step time: 1.3834
Batch 79/248, train_loss: 0.1308, step time: 1.3772
Batch 80/248, train_loss: 0.2240, step time: 1.4066
Batch 81/248, train_loss: 0.1400, step time: 1.3694

Batch 82/248, train_loss: 0.1069, step time: 1.3686
Batch 83/248, train_loss: 0.7684, step time: 1.3981
Batch 84/248, train_loss: 0.3052, step time: 1.3763
Batch 85/248, train_loss: 0.3691, step time: 1.3871
Batch 86/248, train_loss: 0.3033, step time: 1.3543
Batch 87/248, train_loss: 0.8211, step time: 1.3755
Batch 88/248, train_loss: 0.4247, step time: 1.3726
Batch 89/248, train_loss: 0.0961, step time: 1.3610
Batch 90/248, train_loss: 0.5494, step time: 1.3715
Batch 91/248, train_loss: 0.3539, step time: 1.3768
Batch 92/248, train_loss: 0.8879, step time: 1.3814
Batch 93/248, train_loss: 0.1927, step time: 1.3951
Batch 94/248, train_loss: 0.2439, step time: 1.3842
Batch 95/248, train_loss: 0.1702, step time: 1.3514
Batch 96/248, train_loss: 0.2833, step time: 1.3640
Batch 97/248, train_loss: 0.6366, step time: 1.3727
Batch 98/248, train_loss: 0.1428, step time: 1.3807
Batch 99/248, train_loss: 0.4251, step time: 1.3900
Batch 100/248, train_loss: 0.3367, step time: 1.3697
Batch 101/248, train_loss: 0.0545, step time: 1.3692
Batch 102/248, train_loss: 0.1254, step time: 1.3808
Batch 103/248, train_loss: 0.3364, step time: 1.3933
Batch 104/248, train_loss: 0.4116, step time: 1.3907
Batch 105/248, train_loss: 0.0846, step time: 1.3736
Batch 106/248, train_loss: 0.1348, step time: 1.3848
Batch 107/248, train_loss: 0.2693, step time: 1.3743
Batch 108/248, train_loss: 0.6416, step time: 1.3847
Batch 109/248, train_loss: 0.9479, step time: 1.3867
Batch 110/248, train_loss: 0.5824, step time: 1.3739
Batch 111/248, train_loss: 0.1092, step time: 1.3809
Batch 112/248, train_loss: 0.1801, step time: 1.3842
Batch 113/248, train_loss: 0.8246, step time: 1.3900
Batch 114/248, train_loss: 0.1450, step time: 1.3956
Batch 115/248, train_loss: 0.1382, step time: 1.3587
Batch 116/248, train_loss: 0.0614, step time: 1.3885
Batch 117/248, train_loss: 0.7938, step time: 1.3759
Batch 118/248, train_loss: 0.2090, step time: 1.3661
Batch 119/248, train_loss: 0.2769, step time: 1.3856
Batch 120/248, train_loss: 0.2076, step time: 1.3610
Batch 121/248, train_loss: 0.3115, step time: 1.3846
Batch 122/248, train_loss: 0.4542, step time: 1.3670
Batch 123/248, train_loss: 0.0749, step time: 1.3659
Batch 124/248, train_loss: 0.3671, step time: 1.3704
Batch 125/248, train_loss: 0.5635, step time: 1.3768
Batch 126/248, train_loss: 0.2314, step time: 1.3968
Batch 127/248, train_loss: 0.1083, step time: 1.3713
Batch 128/248, train_loss: 0.1398, step time: 1.3849
Batch 129/248, train_loss: 0.1202, step time: 1.3906
Batch 130/248, train_loss: 0.1373, step time: 1.3690
Batch 131/248, train_loss: 0.4690, step time: 1.3851
Batch 132/248, train_loss: 0.2025, step time: 1.3731
Batch 133/248, train_loss: 0.1333, step time: 1.3676
Batch 134/248, train_loss: 0.9328, step time: 1.3695
Batch 135/248, train_loss: 0.2737, step time: 1.3770
Batch 136/248, train_loss: 0.1169, step time: 1.3962
Batch 137/248, train_loss: 0.1373, step time: 1.3663
Batch 138/248, train_loss: 0.0962, step time: 1.3653
Batch 139/248, train_loss: 0.2591, step time: 1.3904
Batch 140/248, train_loss: 0.1774, step time: 1.3676
Batch 141/248, train_loss: 0.1494, step time: 1.3874
Batch 142/248, train_loss: 0.6824, step time: 1.3795
Batch 143/248, train_loss: 0.2367, step time: 1.3795
Batch 144/248, train_loss: 0.1426, step time: 1.3691
Batch 145/248, train_loss: 0.0632, step time: 1.3645
Batch 146/248, train_loss: 0.3846, step time: 1.3928
Batch 147/248, train_loss: 0.0447, step time: 1.3759
Batch 148/248, train_loss: 0.9595, step time: 1.3740
Batch 149/248, train_loss: 0.1456, step time: 1.3854
Batch 150/248, train_loss: 0.5792, step time: 1.3810
Batch 151/248, train_loss: 0.3060, step time: 1.3656
Batch 152/248, train_loss: 0.0436, step time: 1.3907
Batch 153/248, train_loss: 0.3367, step time: 1.3801
Batch 154/248, train_loss: 0.7074, step time: 1.3627
Batch 155/248, train_loss: 0.1016, step time: 1.3783
Batch 156/248, train_loss: 0.1283, step time: 1.3644
Batch 157/248, train_loss: 0.3348, step time: 1.3964
Batch 158/248, train_loss: 0.9246, step time: 1.3825
Batch 159/248, train_loss: 0.4180, step time: 1.3829
Batch 160/248, train_loss: 0.1097, step time: 1.3774
Batch 161/248, train_loss: 0.1356, step time: 1.3963
Batch 162/248, train_loss: 0.0746, step time: 1.3638
Batch 163/248, train_loss: 0.1406, step time: 1.3899
Batch 164/248, train_loss: 0.5697, step time: 1.3819
Batch 165/248, train_loss: 0.7318, step time: 1.4009
Batch 166/248, train_loss: 0.5114, step time: 1.4071

Batch 167/248, train_loss: 0.1732, step time: 1.3799
Batch 168/248, train_loss: 0.1653, step time: 1.3937
Batch 169/248, train_loss: 0.1045, step time: 1.3906
Batch 170/248, train_loss: 0.5370, step time: 1.3757
Batch 171/248, train_loss: 0.0837, step time: 1.3716
Batch 172/248, train_loss: 0.5067, step time: 1.3800
Batch 173/248, train_loss: 0.1126, step time: 1.3700
Batch 174/248, train_loss: 0.5135, step time: 1.4079
Batch 175/248, train_loss: 0.1545, step time: 1.3882
Batch 176/248, train_loss: 0.4269, step time: 1.3690
Batch 177/248, train_loss: 0.3057, step time: 1.3839
Batch 178/248, train_loss: 0.4309, step time: 1.3876
Batch 179/248, train_loss: 0.1287, step time: 1.3892
Batch 180/248, train_loss: 0.4796, step time: 1.3820
Batch 181/248, train_loss: 0.1244, step time: 1.4018
Batch 182/248, train_loss: 0.9573, step time: 1.3756
Batch 183/248, train_loss: 0.1285, step time: 1.3961
Batch 184/248, train_loss: 0.3232, step time: 1.3897
Batch 185/248, train_loss: 0.0975, step time: 1.3620
Batch 186/248, train_loss: 0.1044, step time: 1.3662
Batch 187/248, train_loss: 0.2288, step time: 1.3961
Batch 188/248, train_loss: 0.2061, step time: 1.3909
Batch 189/248, train_loss: 0.7954, step time: 1.3960
Batch 190/248, train_loss: 0.1340, step time: 1.3711
Batch 191/248, train_loss: 0.7418, step time: 1.3760
Batch 192/248, train_loss: 0.2381, step time: 1.3856
Batch 193/248, train_loss: 0.2492, step time: 1.3785
Batch 194/248, train_loss: 0.1212, step time: 1.3709
Batch 195/248, train_loss: 0.6003, step time: 1.4030
Batch 196/248, train_loss: 0.8394, step time: 1.3954
Batch 197/248, train_loss: 0.1986, step time: 1.3892
Batch 198/248, train_loss: 0.9866, step time: 1.3589
Batch 199/248, train_loss: 0.1608, step time: 1.3867
Batch 200/248, train_loss: 0.1334, step time: 1.3888
Batch 201/248, train_loss: 0.1227, step time: 1.3821
Batch 202/248, train_loss: 0.5604, step time: 1.3982
Batch 203/248, train_loss: 0.4069, step time: 1.4029
Batch 204/248, train_loss: 0.1164, step time: 1.3570
Batch 205/248, train_loss: 0.2588, step time: 1.3687
Batch 206/248, train_loss: 0.5150, step time: 1.3817
Batch 207/248, train_loss: 0.0938, step time: 1.3626
Batch 208/248, train_loss: 0.1105, step time: 1.3708
Batch 209/248, train_loss: 0.1798, step time: 1.3844
Batch 210/248, train_loss: 0.0701, step time: 1.3643
Batch 211/248, train_loss: 0.0734, step time: 1.3634
Batch 212/248, train_loss: 0.3365, step time: 1.3765
Batch 213/248, train_loss: 0.1461, step time: 1.3787
Batch 214/248, train_loss: 0.0700, step time: 1.3640
Batch 215/248, train_loss: 0.4057, step time: 1.3655
Batch 216/248, train_loss: 0.2162, step time: 1.3977
Batch 217/248, train_loss: 0.2659, step time: 1.3749
Batch 218/248, train_loss: 0.7191, step time: 1.3683
Batch 219/248, train_loss: 0.0612, step time: 1.3831
Batch 220/248, train_loss: 0.2029, step time: 1.3882
Batch 221/248, train_loss: 0.2692, step time: 1.3793
Batch 222/248, train_loss: 0.2203, step time: 1.3706
Batch 223/248, train_loss: 0.0568, step time: 1.3654
Batch 224/248, train_loss: 0.0993, step time: 1.3853
Batch 225/248, train_loss: 0.3248, step time: 1.3609
Batch 226/248, train_loss: 0.4503, step time: 1.3619
Batch 227/248, train_loss: 0.0947, step time: 1.3765
Batch 228/248, train_loss: 0.1572, step time: 1.3611
Batch 229/248, train_loss: 0.0858, step time: 1.3577
Batch 230/248, train_loss: 0.0714, step time: 1.3775
Batch 231/248, train_loss: 0.7790, step time: 1.3822
Batch 232/248, train_loss: 0.0811, step time: 1.3773
Batch 233/248, train_loss: 0.9569, step time: 1.3780
Batch 234/248, train_loss: 0.4569, step time: 1.3888
Batch 235/248, train_loss: 0.2297, step time: 1.3870
Batch 236/248, train_loss: 0.7794, step time: 1.3786
Batch 237/248, train_loss: 0.1479, step time: 1.3692
Batch 238/248, train_loss: 0.0959, step time: 1.3855
Batch 239/248, train_loss: 0.0559, step time: 1.3715
Batch 240/248, train_loss: 0.3897, step time: 1.3635
Batch 241/248, train_loss: 0.9023, step time: 1.3739
Batch 242/248, train_loss: 0.1424, step time: 1.3914
Batch 243/248, train_loss: 0.4333, step time: 1.3870
Batch 244/248, train_loss: 0.3890, step time: 1.3627
Batch 245/248, train_loss: 0.0846, step time: 1.3593
Batch 246/248, train_loss: 0.6049, step time: 1.3920
Batch 247/248, train_loss: 0.1020, step time: 1.3601
Batch 248/248, train_loss: 0.9998, step time: 1.3724

Labels



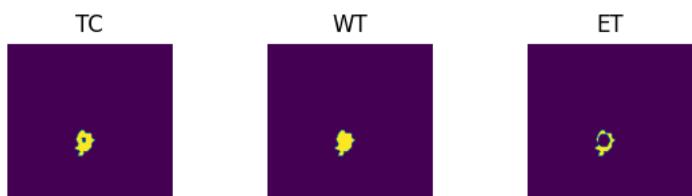
Predictions



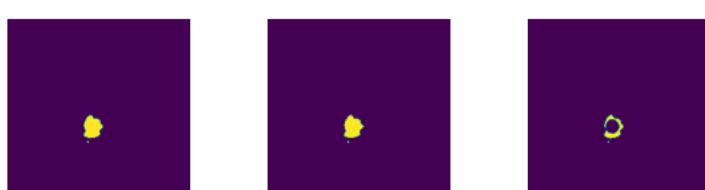
VAL

```
Batch 1/31, val_loss: 0.8369
Batch 2/31, val_loss: 0.9904
Batch 3/31, val_loss: 0.9660
Batch 4/31, val_loss: 0.9452
Batch 5/31, val_loss: 0.9941
Batch 6/31, val_loss: 0.6984
Batch 7/31, val_loss: 0.8280
Batch 8/31, val_loss: 0.9490
Batch 9/31, val_loss: 0.6940
Batch 10/31, val_loss: 0.9141
Batch 11/31, val_loss: 0.8169
Batch 12/31, val_loss: 0.9748
Batch 13/31, val_loss: 0.9978
Batch 14/31, val_loss: 0.9426
Batch 15/31, val_loss: 0.9864
Batch 16/31, val_loss: 0.9711
Batch 17/31, val_loss: 0.9691
Batch 18/31, val_loss: 0.9434
Batch 19/31, val_loss: 0.7403
Batch 20/31, val_loss: 0.8669
Batch 21/31, val_loss: 0.8774
Batch 22/31, val_loss: 0.9643
Batch 23/31, val_loss: 0.9701
Batch 24/31, val_loss: 0.7527
Batch 25/31, val_loss: 0.7975
Batch 26/31, val_loss: 0.9246
Batch 27/31, val_loss: 0.9765
Batch 28/31, val_loss: 0.7452
Batch 29/31, val_loss: 0.9841
Batch 30/31, val_loss: 0.9650
Batch 31/31, val_loss: 0.9725
```

Labels



Predictions



epoch 52

```
average train loss: 0.3109
average validation loss: 0.9018
saved as best model: False
current mean dice: 0.5804
current TC dice: 0.6130
current WT dice: 0.6204
current ET dice: 0.5477
Best Mean Metric: 0.6036
```

```
time consuming of epoch 52 is: 1669.8504
```

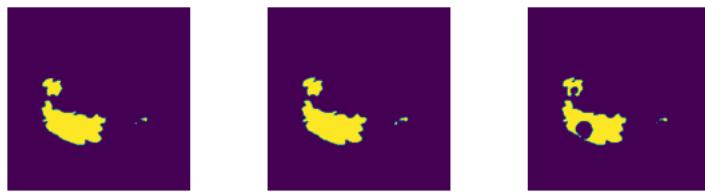
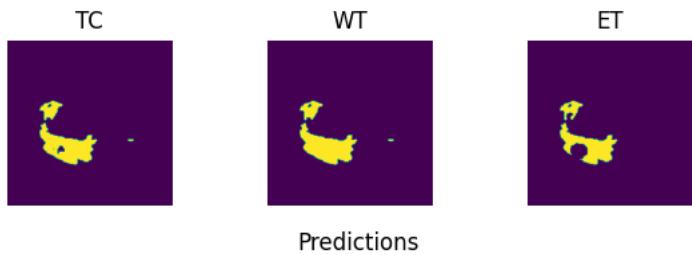
```
-----  
epoch 53/100
```

```
TRAIN
```

```
Batch 1/248, train_loss: 0.0888, step time: 1.4233  
Batch 2/248, train_loss: 0.7482, step time: 1.3756  
Batch 3/248, train_loss: 0.3344, step time: 1.4020  
Batch 4/248, train_loss: 0.9780, step time: 1.3576  
Batch 5/248, train_loss: 0.2170, step time: 1.3732  
Batch 6/248, train_loss: 0.5456, step time: 1.3732  
Batch 7/248, train_loss: 0.0635, step time: 1.3602  
Batch 8/248, train_loss: 0.7072, step time: 1.3836  
Batch 9/248, train_loss: 0.0365, step time: 1.3656  
Batch 10/248, train_loss: 0.2510, step time: 1.3971  
Batch 11/248, train_loss: 0.2095, step time: 1.3589  
Batch 12/248, train_loss: 0.3290, step time: 1.3692  
Batch 13/248, train_loss: 0.4257, step time: 1.4012  
Batch 14/248, train_loss: 0.0836, step time: 1.3747  
Batch 15/248, train_loss: 0.3189, step time: 1.3769  
Batch 16/248, train_loss: 0.1723, step time: 1.3976  
Batch 17/248, train_loss: 0.3170, step time: 1.3919  
Batch 18/248, train_loss: 0.3373, step time: 1.3549  
Batch 19/248, train_loss: 0.1811, step time: 1.3742  
Batch 20/248, train_loss: 0.2165, step time: 1.3769  
Batch 21/248, train_loss: 0.0550, step time: 1.3941  
Batch 22/248, train_loss: 0.8344, step time: 1.3900  
Batch 23/248, train_loss: 0.7936, step time: 1.3691  
Batch 24/248, train_loss: 0.0909, step time: 1.3672  
Batch 25/248, train_loss: 0.0586, step time: 1.3612  
Batch 26/248, train_loss: 0.3806, step time: 1.3741  
Batch 27/248, train_loss: 0.0838, step time: 1.3733  
Batch 28/248, train_loss: 0.1664, step time: 1.3933  
Batch 29/248, train_loss: 0.3461, step time: 1.4073  
Batch 30/248, train_loss: 0.4945, step time: 1.3842  
Batch 31/248, train_loss: 0.4984, step time: 1.3812  
Batch 32/248, train_loss: 0.0746, step time: 1.3796  
Batch 33/248, train_loss: 0.0985, step time: 1.3832  
Batch 34/248, train_loss: 0.0467, step time: 1.3515  
Batch 35/248, train_loss: 0.0760, step time: 1.3744  
Batch 36/248, train_loss: 0.5603, step time: 1.3893  
Batch 37/248, train_loss: 0.1584, step time: 1.3609  
Batch 38/248, train_loss: 0.2803, step time: 1.3924  
Batch 39/248, train_loss: 0.1467, step time: 1.3784  
Batch 40/248, train_loss: 0.5947, step time: 1.3979  
Batch 41/248, train_loss: 0.2068, step time: 1.3638  
Batch 42/248, train_loss: 0.0729, step time: 1.3748  
Batch 43/248, train_loss: 0.0888, step time: 1.3782  
Batch 44/248, train_loss: 0.1498, step time: 1.3928  
Batch 45/248, train_loss: 0.6792, step time: 1.3895  
Batch 46/248, train_loss: 0.1492, step time: 1.3954  
Batch 47/248, train_loss: 0.0739, step time: 1.3850  
Batch 48/248, train_loss: 0.2048, step time: 1.3811  
Batch 49/248, train_loss: 0.4126, step time: 1.3713  
Batch 50/248, train_loss: 0.1397, step time: 1.3803  
Batch 51/248, train_loss: 0.1397, step time: 1.3646  
Batch 52/248, train_loss: 0.1597, step time: 1.3854  
Batch 53/248, train_loss: 0.4270, step time: 1.3947  
Batch 54/248, train_loss: 0.2569, step time: 1.3843  
Batch 55/248, train_loss: 0.2468, step time: 1.3932  
Batch 56/248, train_loss: 0.2289, step time: 1.3956  
Batch 57/248, train_loss: 0.2433, step time: 1.3796  
Batch 58/248, train_loss: 0.0758, step time: 1.3763  
Batch 59/248, train_loss: 0.1078, step time: 1.3728  
Batch 60/248, train_loss: 0.0713, step time: 1.3569  
Batch 61/248, train_loss: 0.0781, step time: 1.3548  
Batch 62/248, train_loss: 0.2224, step time: 1.3749  
Batch 63/248, train_loss: 0.3857, step time: 1.3988  
Batch 64/248, train_loss: 0.3786, step time: 1.3757  
Batch 65/248, train_loss: 0.2291, step time: 1.3809  
Batch 66/248, train_loss: 0.1104, step time: 1.3793  
Batch 67/248, train_loss: 0.0702, step time: 1.3554  
Batch 68/248, train_loss: 0.1096, step time: 1.3812  
Batch 69/248, train_loss: 0.6101, step time: 1.4014  
Batch 70/248, train_loss: 0.1663, step time: 1.3795  
Batch 71/248, train_loss: 0.1537, step time: 1.3936  
Batch 72/248, train_loss: 0.0630, step time: 1.3634  
Batch 73/248, train_loss: 0.1292, step time: 1.3783  
Batch 74/248, train_loss: 0.8758, step time: 1.3861  
Batch 75/248, train_loss: 0.1030, step time: 1.3848  
Batch 76/248, train_loss: 0.5683, step time: 1.3593  
Batch 77/248, train_loss: 0.6787, step time: 1.3556  
Batch 78/248, train_loss: 0.1019, step time: 1.3929  
Batch 79/248, train_loss: 0.2462, step time: 1.4007  
Batch 80/248, train_loss: 0.3102, step time: 1.3946  
Batch 81/248, train_loss: 0.2429, step time: 1.3812
```


Batch 166/248, train_loss: 0.1044, step time: 1.3821
Batch 167/248, train_loss: 0.1960, step time: 1.3865
Batch 168/248, train_loss: 0.1499, step time: 1.3865
Batch 169/248, train_loss: 0.1103, step time: 1.3707
Batch 170/248, train_loss: 0.6643, step time: 1.3957
Batch 171/248, train_loss: 0.0943, step time: 1.3603
Batch 172/248, train_loss: 0.4125, step time: 1.3884
Batch 173/248, train_loss: 0.0691, step time: 1.3723
Batch 174/248, train_loss: 0.8166, step time: 1.3612
Batch 175/248, train_loss: 0.1477, step time: 1.4008
Batch 176/248, train_loss: 0.3655, step time: 1.3781
Batch 177/248, train_loss: 0.2429, step time: 1.3847
Batch 178/248, train_loss: 0.3050, step time: 1.3940
Batch 179/248, train_loss: 0.0734, step time: 1.3650
Batch 180/248, train_loss: 0.3445, step time: 1.3816
Batch 181/248, train_loss: 0.0964, step time: 1.3709
Batch 182/248, train_loss: 0.9029, step time: 1.3665
Batch 183/248, train_loss: 0.1183, step time: 1.3596
Batch 184/248, train_loss: 0.2282, step time: 1.3902
Batch 185/248, train_loss: 0.0871, step time: 1.3561
Batch 186/248, train_loss: 0.0772, step time: 1.3765
Batch 187/248, train_loss: 0.2264, step time: 1.3981
Batch 188/248, train_loss: 0.2316, step time: 1.4014
Batch 189/248, train_loss: 0.5375, step time: 1.3856
Batch 190/248, train_loss: 0.1148, step time: 1.3769
Batch 191/248, train_loss: 0.6545, step time: 1.3699
Batch 192/248, train_loss: 0.2338, step time: 1.3668
Batch 193/248, train_loss: 0.2438, step time: 1.3569
Batch 194/248, train_loss: 0.0847, step time: 1.3729
Batch 195/248, train_loss: 0.6559, step time: 1.3848
Batch 196/248, train_loss: 0.6750, step time: 1.3723
Batch 197/248, train_loss: 0.1630, step time: 1.3772
Batch 198/248, train_loss: 0.9566, step time: 1.3907
Batch 199/248, train_loss: 0.1380, step time: 1.3650
Batch 200/248, train_loss: 0.1267, step time: 1.4003
Batch 201/248, train_loss: 0.1109, step time: 1.3693
Batch 202/248, train_loss: 0.5826, step time: 1.3717
Batch 203/248, train_loss: 0.4277, step time: 1.3760
Batch 204/248, train_loss: 0.1015, step time: 1.3737
Batch 205/248, train_loss: 0.3411, step time: 1.3638
Batch 206/248, train_loss: 0.7478, step time: 1.3787
Batch 207/248, train_loss: 0.0953, step time: 1.3923
Batch 208/248, train_loss: 0.1131, step time: 1.3936
Batch 209/248, train_loss: 0.1406, step time: 1.3737
Batch 210/248, train_loss: 0.0731, step time: 1.3810
Batch 211/248, train_loss: 0.0847, step time: 1.3842
Batch 212/248, train_loss: 0.3234, step time: 1.3647
Batch 213/248, train_loss: 0.1825, step time: 1.3871
Batch 214/248, train_loss: 0.0807, step time: 1.3638
Batch 215/248, train_loss: 0.3420, step time: 1.3939
Batch 216/248, train_loss: 0.1935, step time: 1.4012
Batch 217/248, train_loss: 0.3219, step time: 1.3952
Batch 218/248, train_loss: 0.7522, step time: 1.4017
Batch 219/248, train_loss: 0.0791, step time: 1.3726
Batch 220/248, train_loss: 0.2277, step time: 1.3872
Batch 221/248, train_loss: 0.3082, step time: 1.3740
Batch 222/248, train_loss: 0.2061, step time: 1.3788
Batch 223/248, train_loss: 0.0461, step time: 1.3530
Batch 224/248, train_loss: 0.0909, step time: 1.3619
Batch 225/248, train_loss: 0.4615, step time: 1.3714
Batch 226/248, train_loss: 0.3935, step time: 1.3903
Batch 227/248, train_loss: 0.0865, step time: 1.3733
Batch 228/248, train_loss: 0.1554, step time: 1.3626
Batch 229/248, train_loss: 0.0917, step time: 1.3886
Batch 230/248, train_loss: 0.0621, step time: 1.3951
Batch 231/248, train_loss: 0.4260, step time: 1.3933
Batch 232/248, train_loss: 0.0806, step time: 1.3659
Batch 233/248, train_loss: 0.9658, step time: 1.3799
Batch 234/248, train_loss: 0.5688, step time: 1.3699
Batch 235/248, train_loss: 0.2507, step time: 1.3942
Batch 236/248, train_loss: 0.7655, step time: 1.3638
Batch 237/248, train_loss: 0.1336, step time: 1.3911
Batch 238/248, train_loss: 0.0995, step time: 1.3670
Batch 239/248, train_loss: 0.0788, step time: 1.3609
Batch 240/248, train_loss: 0.3281, step time: 1.3835
Batch 241/248, train_loss: 0.9444, step time: 1.3921
Batch 242/248, train_loss: 0.1579, step time: 1.3613
Batch 243/248, train_loss: 0.4810, step time: 1.3664
Batch 244/248, train_loss: 0.4193, step time: 1.3850
Batch 245/248, train_loss: 0.0693, step time: 1.3532
Batch 246/248, train_loss: 0.5655, step time: 1.3711
Batch 247/248, train_loss: 0.0787, step time: 1.3720
Batch 248/248, train_loss: 0.9997, step time: 1.3577

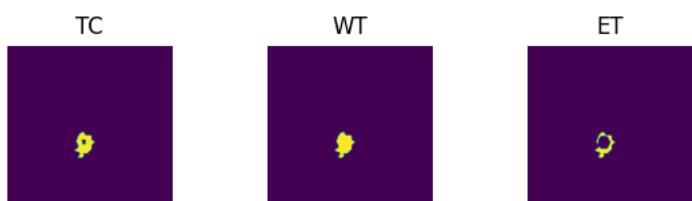
Labels



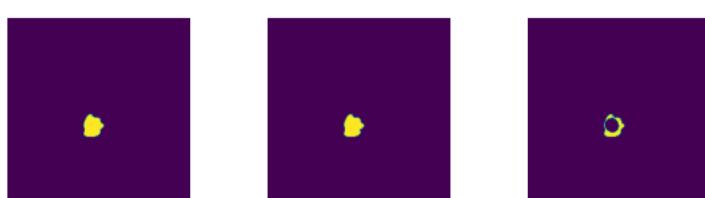
VAL

```
Batch 1/31, val_loss: 0.8369
Batch 2/31, val_loss: 0.9900
Batch 3/31, val_loss: 0.9694
Batch 4/31, val_loss: 0.9464
Batch 5/31, val_loss: 0.9939
Batch 6/31, val_loss: 0.7009
Batch 7/31, val_loss: 0.8348
Batch 8/31, val_loss: 0.9462
Batch 9/31, val_loss: 0.6937
Batch 10/31, val_loss: 0.9128
Batch 11/31, val_loss: 0.8175
Batch 12/31, val_loss: 0.9720
Batch 13/31, val_loss: 0.9982
Batch 14/31, val_loss: 0.9356
Batch 15/31, val_loss: 0.9861
Batch 16/31, val_loss: 0.9715
Batch 17/31, val_loss: 0.9687
Batch 18/31, val_loss: 0.9391
Batch 19/31, val_loss: 0.7467
Batch 20/31, val_loss: 0.8615
Batch 21/31, val_loss: 0.8783
Batch 22/31, val_loss: 0.9641
Batch 23/31, val_loss: 0.9685
Batch 24/31, val_loss: 0.7420
Batch 25/31, val_loss: 0.8026
Batch 26/31, val_loss: 0.9266
Batch 27/31, val_loss: 0.9785
Batch 28/31, val_loss: 0.7446
Batch 29/31, val_loss: 0.9828
Batch 30/31, val_loss: 0.9654
Batch 31/31, val_loss: 0.9732
```

Labels



Predictions



epoch 53

```
average train loss: 0.3019
average validation loss: 0.9016
saved as best model: False
current mean dice: 0.5971
current TC dice: 0.6319
current WT dice: 0.6323
current ET dice: 0.5687
Post-Mean Metric: 0.6026
```

BEST MEAN METRIC: 0.0050
time consuming of epoch 53 is: 1661.7639

epoch 54/100

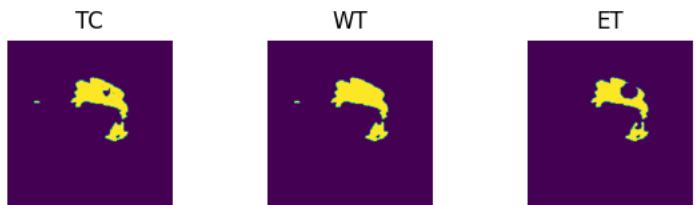
TRAIN

Batch 1/248, train_loss: 0.3869, step time: 1.4518
Batch 2/248, train_loss: 0.7271, step time: 1.3977
Batch 3/248, train_loss: 0.3357, step time: 1.3883
Batch 4/248, train_loss: 0.9338, step time: 1.3613
Batch 5/248, train_loss: 0.2157, step time: 1.3588
Batch 6/248, train_loss: 0.2272, step time: 1.3641
Batch 7/248, train_loss: 0.0655, step time: 1.3744
Batch 8/248, train_loss: 0.7249, step time: 1.3942
Batch 9/248, train_loss: 0.0561, step time: 1.3975
Batch 10/248, train_loss: 0.2180, step time: 1.3917
Batch 11/248, train_loss: 0.2064, step time: 1.3941
Batch 12/248, train_loss: 0.3732, step time: 1.3878
Batch 13/248, train_loss: 0.3436, step time: 1.3707
Batch 14/248, train_loss: 0.0520, step time: 1.3558
Batch 15/248, train_loss: 0.3776, step time: 1.3630
Batch 16/248, train_loss: 0.1477, step time: 1.3850
Batch 17/248, train_loss: 0.2552, step time: 1.3914
Batch 18/248, train_loss: 0.3032, step time: 1.3618
Batch 19/248, train_loss: 0.1267, step time: 1.3651
Batch 20/248, train_loss: 0.2680, step time: 1.3947
Batch 21/248, train_loss: 0.0490, step time: 1.3765
Batch 22/248, train_loss: 0.8796, step time: 1.3953
Batch 23/248, train_loss: 0.3879, step time: 1.3929
Batch 24/248, train_loss: 0.0862, step time: 1.3940
Batch 25/248, train_loss: 0.0708, step time: 1.3812
Batch 26/248, train_loss: 0.3609, step time: 1.3809
Batch 27/248, train_loss: 0.0787, step time: 1.3889
Batch 28/248, train_loss: 0.1608, step time: 1.3633
Batch 29/248, train_loss: 0.3318, step time: 1.3770
Batch 30/248, train_loss: 0.6022, step time: 1.3593
Batch 31/248, train_loss: 0.3181, step time: 1.3765
Batch 32/248, train_loss: 0.0759, step time: 1.3580
Batch 33/248, train_loss: 0.1075, step time: 1.3651
Batch 34/248, train_loss: 0.0417, step time: 1.3874
Batch 35/248, train_loss: 0.0599, step time: 1.3486
Batch 36/248, train_loss: 0.5394, step time: 1.3830
Batch 37/248, train_loss: 0.1946, step time: 1.3634
Batch 38/248, train_loss: 0.2989, step time: 1.3680
Batch 39/248, train_loss: 0.1636, step time: 1.3759
Batch 40/248, train_loss: 0.6618, step time: 1.3730
Batch 41/248, train_loss: 0.2584, step time: 1.3815
Batch 42/248, train_loss: 0.0835, step time: 1.3985
Batch 43/248, train_loss: 0.0513, step time: 1.3696
Batch 44/248, train_loss: 0.1220, step time: 1.3694
Batch 45/248, train_loss: 0.7569, step time: 1.3864
Batch 46/248, train_loss: 0.1637, step time: 1.3780
Batch 47/248, train_loss: 0.0719, step time: 1.3765
Batch 48/248, train_loss: 0.2752, step time: 1.3908
Batch 49/248, train_loss: 0.4057, step time: 1.3894
Batch 50/248, train_loss: 0.1309, step time: 1.3829
Batch 51/248, train_loss: 0.1702, step time: 1.4022
Batch 52/248, train_loss: 0.1248, step time: 1.3732
Batch 53/248, train_loss: 0.3587, step time: 1.3914
Batch 54/248, train_loss: 0.2228, step time: 1.3954
Batch 55/248, train_loss: 0.2813, step time: 1.3771
Batch 56/248, train_loss: 0.1914, step time: 1.3924
Batch 57/248, train_loss: 0.2462, step time: 1.3552
Batch 58/248, train_loss: 0.0694, step time: 1.3693
Batch 59/248, train_loss: 0.0770, step time: 1.3889
Batch 60/248, train_loss: 0.0669, step time: 1.3934
Batch 61/248, train_loss: 0.0808, step time: 1.3626
Batch 62/248, train_loss: 0.4731, step time: 1.3646
Batch 63/248, train_loss: 0.3911, step time: 1.3913
Batch 64/248, train_loss: 0.3636, step time: 1.3801
Batch 65/248, train_loss: 0.6332, step time: 1.3797
Batch 66/248, train_loss: 0.2297, step time: 1.3821
Batch 67/248, train_loss: 0.0662, step time: 1.3710
Batch 68/248, train_loss: 0.2964, step time: 1.3911
Batch 69/248, train_loss: 0.6232, step time: 1.3887
Batch 70/248, train_loss: 0.1753, step time: 1.3887
Batch 71/248, train_loss: 0.2019, step time: 1.3821
Batch 72/248, train_loss: 0.0748, step time: 1.3906
Batch 73/248, train_loss: 0.9203, step time: 1.3828
Batch 74/248, train_loss: 0.6574, step time: 1.3864
Batch 75/248, train_loss: 0.1233, step time: 1.3895
Batch 76/248, train_loss: 0.6844, step time: 1.3921
Batch 77/248, train_loss: 0.7236, step time: 1.3884
Batch 78/248, train_loss: 0.1604, step time: 1.3892
Batch 79/248, train_loss: 0.2751, step time: 1.3843
Batch 80/248, train_loss: 0.2155, step time: 1.3832

Batch 81/248, train_loss: 0.1670, step time: 1.3696
Batch 82/248, train_loss: 0.1041, step time: 1.3969
Batch 83/248, train_loss: 0.5234, step time: 1.4043
Batch 84/248, train_loss: 0.3868, step time: 1.3919
Batch 85/248, train_loss: 0.3685, step time: 1.3742
Batch 86/248, train_loss: 0.2214, step time: 1.3825
Batch 87/248, train_loss: 0.9945, step time: 1.3628
Batch 88/248, train_loss: 0.3759, step time: 1.3737
Batch 89/248, train_loss: 0.0771, step time: 1.3868
Batch 90/248, train_loss: 0.3055, step time: 1.4078
Batch 91/248, train_loss: 0.3531, step time: 1.3853
Batch 92/248, train_loss: 0.7195, step time: 1.4056
Batch 93/248, train_loss: 0.1466, step time: 1.3605
Batch 94/248, train_loss: 0.4389, step time: 1.3808
Batch 95/248, train_loss: 0.1895, step time: 1.4017
Batch 96/248, train_loss: 0.1617, step time: 1.3827
Batch 97/248, train_loss: 0.8403, step time: 1.3952
Batch 98/248, train_loss: 0.2594, step time: 1.3721
Batch 99/248, train_loss: 0.2968, step time: 1.3721
Batch 100/248, train_loss: 0.3364, step time: 1.3697
Batch 101/248, train_loss: 0.0558, step time: 1.3855
Batch 102/248, train_loss: 0.1327, step time: 1.3845
Batch 103/248, train_loss: 0.4682, step time: 1.3693
Batch 104/248, train_loss: 0.2543, step time: 1.3805
Batch 105/248, train_loss: 0.0767, step time: 1.3689
Batch 106/248, train_loss: 0.1254, step time: 1.3870
Batch 107/248, train_loss: 0.2551, step time: 1.3791
Batch 108/248, train_loss: 0.6354, step time: 1.3688
Batch 109/248, train_loss: 0.9941, step time: 1.3798
Batch 110/248, train_loss: 0.9977, step time: 1.3571
Batch 111/248, train_loss: 0.0901, step time: 1.3702
Batch 112/248, train_loss: 0.1095, step time: 1.3915
Batch 113/248, train_loss: 0.8884, step time: 1.3681
Batch 114/248, train_loss: 0.1218, step time: 1.3670
Batch 115/248, train_loss: 0.2485, step time: 1.3800
Batch 116/248, train_loss: 0.0688, step time: 1.3662
Batch 117/248, train_loss: 0.5504, step time: 1.3837
Batch 118/248, train_loss: 0.4772, step time: 1.3728
Batch 119/248, train_loss: 0.2723, step time: 1.3935
Batch 120/248, train_loss: 0.2139, step time: 1.3739
Batch 121/248, train_loss: 0.3097, step time: 1.4006
Batch 122/248, train_loss: 0.4228, step time: 1.3796
Batch 123/248, train_loss: 0.0626, step time: 1.3878
Batch 124/248, train_loss: 0.2997, step time: 1.3896
Batch 125/248, train_loss: 0.4952, step time: 1.3880
Batch 126/248, train_loss: 0.2616, step time: 1.3728
Batch 127/248, train_loss: 0.1211, step time: 1.3695
Batch 128/248, train_loss: 0.1841, step time: 1.3812
Batch 129/248, train_loss: 0.0779, step time: 1.3675
Batch 130/248, train_loss: 0.1088, step time: 1.3568
Batch 131/248, train_loss: 0.4668, step time: 1.3840
Batch 132/248, train_loss: 0.1933, step time: 1.3612
Batch 133/248, train_loss: 0.0965, step time: 1.3521
Batch 134/248, train_loss: 0.9460, step time: 1.3752
Batch 135/248, train_loss: 0.2572, step time: 1.3793
Batch 136/248, train_loss: 0.1347, step time: 1.3893
Batch 137/248, train_loss: 0.1126, step time: 1.3843
Batch 138/248, train_loss: 0.0885, step time: 1.3510
Batch 139/248, train_loss: 0.1332, step time: 1.3687
Batch 140/248, train_loss: 0.1889, step time: 1.3992
Batch 141/248, train_loss: 0.1352, step time: 1.3860
Batch 142/248, train_loss: 0.5427, step time: 1.3933
Batch 143/248, train_loss: 0.2250, step time: 1.3612
Batch 144/248, train_loss: 0.1351, step time: 1.3840
Batch 145/248, train_loss: 0.0636, step time: 1.3888
Batch 146/248, train_loss: 0.4489, step time: 1.3867
Batch 147/248, train_loss: 0.0566, step time: 1.3686
Batch 148/248, train_loss: 0.6449, step time: 1.3771
Batch 149/248, train_loss: 0.1197, step time: 1.3834
Batch 150/248, train_loss: 0.5915, step time: 1.3795
Batch 151/248, train_loss: 0.2730, step time: 1.3549
Batch 152/248, train_loss: 0.0486, step time: 1.3533
Batch 153/248, train_loss: 0.2014, step time: 1.3648
Batch 154/248, train_loss: 0.5465, step time: 1.3626
Batch 155/248, train_loss: 0.0832, step time: 1.3674
Batch 156/248, train_loss: 0.1437, step time: 1.3709
Batch 157/248, train_loss: 0.3121, step time: 1.3784
Batch 158/248, train_loss: 0.9847, step time: 1.3909
Batch 159/248, train_loss: 0.3995, step time: 1.3797
Batch 160/248, train_loss: 0.0984, step time: 1.3579
Batch 161/248, train_loss: 0.0855, step time: 1.3851
Batch 162/248, train_loss: 0.0909, step time: 1.3685
Batch 163/248, train_loss: 0.1258, step time: 1.3900
Batch 164/248, train_loss: 0.3057, step time: 1.3690
Batch 165/248, train_loss: 0.5484, step time: 1.3951

Batch 166/248, train_loss: 0.0830, step time: 1.3606
Batch 167/248, train_loss: 0.2182, step time: 1.3840
Batch 168/248, train_loss: 0.1739, step time: 1.3606
Batch 169/248, train_loss: 0.0959, step time: 1.3776
Batch 170/248, train_loss: 0.5421, step time: 1.3757
Batch 171/248, train_loss: 0.1483, step time: 1.4013
Batch 172/248, train_loss: 0.3897, step time: 1.4134
Batch 173/248, train_loss: 0.1177, step time: 1.3934
Batch 174/248, train_loss: 0.4263, step time: 1.3794
Batch 175/248, train_loss: 0.0960, step time: 1.3876
Batch 176/248, train_loss: 0.3802, step time: 1.3817
Batch 177/248, train_loss: 0.2240, step time: 1.3913
Batch 178/248, train_loss: 0.4209, step time: 1.3756
Batch 179/248, train_loss: 0.0653, step time: 1.4000
Batch 180/248, train_loss: 0.5447, step time: 1.3856
Batch 181/248, train_loss: 0.0914, step time: 1.3584
Batch 182/248, train_loss: 0.9194, step time: 1.3868
Batch 183/248, train_loss: 0.1677, step time: 1.3573
Batch 184/248, train_loss: 0.2863, step time: 1.3764
Batch 185/248, train_loss: 0.0885, step time: 1.3509
Batch 186/248, train_loss: 0.0844, step time: 1.3618
Batch 187/248, train_loss: 0.2445, step time: 1.3796
Batch 188/248, train_loss: 0.1953, step time: 1.3939
Batch 189/248, train_loss: 0.5361, step time: 1.3749
Batch 190/248, train_loss: 0.1366, step time: 1.3705
Batch 191/248, train_loss: 0.6623, step time: 1.3641
Batch 192/248, train_loss: 0.2738, step time: 1.3874
Batch 193/248, train_loss: 0.2250, step time: 1.3850
Batch 194/248, train_loss: 0.1037, step time: 1.3617
Batch 195/248, train_loss: 0.6092, step time: 1.3756
Batch 196/248, train_loss: 0.9249, step time: 1.3930
Batch 197/248, train_loss: 0.2300, step time: 1.3958
Batch 198/248, train_loss: 0.9147, step time: 1.3640
Batch 199/248, train_loss: 0.1572, step time: 1.3795
Batch 200/248, train_loss: 0.1306, step time: 1.3549
Batch 201/248, train_loss: 0.1311, step time: 1.3663
Batch 202/248, train_loss: 0.5169, step time: 1.3732
Batch 203/248, train_loss: 0.3762, step time: 1.3782
Batch 204/248, train_loss: 0.1586, step time: 1.3818
Batch 205/248, train_loss: 0.2660, step time: 1.3835
Batch 206/248, train_loss: 0.4059, step time: 1.3929
Batch 207/248, train_loss: 0.1281, step time: 1.3883
Batch 208/248, train_loss: 0.1792, step time: 1.4014
Batch 209/248, train_loss: 0.1716, step time: 1.3974
Batch 210/248, train_loss: 0.0765, step time: 1.3944
Batch 211/248, train_loss: 0.0769, step time: 1.3697
Batch 212/248, train_loss: 0.3055, step time: 1.3792
Batch 213/248, train_loss: 0.1940, step time: 1.3709
Batch 214/248, train_loss: 0.0862, step time: 1.3895
Batch 215/248, train_loss: 0.3317, step time: 1.3720
Batch 216/248, train_loss: 0.2251, step time: 1.3954
Batch 217/248, train_loss: 0.2914, step time: 1.3916
Batch 218/248, train_loss: 0.7446, step time: 1.3821
Batch 219/248, train_loss: 0.0723, step time: 1.3588
Batch 220/248, train_loss: 0.2278, step time: 1.3756
Batch 221/248, train_loss: 0.3054, step time: 1.3984
Batch 222/248, train_loss: 0.2085, step time: 1.3598
Batch 223/248, train_loss: 0.0487, step time: 1.3479
Batch 224/248, train_loss: 0.0907, step time: 1.3709
Batch 225/248, train_loss: 0.4950, step time: 1.3915
Batch 226/248, train_loss: 0.2970, step time: 1.3550
Batch 227/248, train_loss: 0.0952, step time: 1.3822
Batch 228/248, train_loss: 0.1436, step time: 1.3643
Batch 229/248, train_loss: 0.0876, step time: 1.3772
Batch 230/248, train_loss: 0.0899, step time: 1.3718
Batch 231/248, train_loss: 0.3625, step time: 1.3928
Batch 232/248, train_loss: 0.0740, step time: 1.3864
Batch 233/248, train_loss: 0.9540, step time: 1.3894
Batch 234/248, train_loss: 0.4105, step time: 1.3851
Batch 235/248, train_loss: 0.2143, step time: 1.3655
Batch 236/248, train_loss: 0.7560, step time: 1.4003
Batch 237/248, train_loss: 0.1261, step time: 1.3647
Batch 238/248, train_loss: 0.0963, step time: 1.3724
Batch 239/248, train_loss: 0.0728, step time: 1.3763
Batch 240/248, train_loss: 0.4120, step time: 1.3787
Batch 241/248, train_loss: 0.8361, step time: 1.3784
Batch 242/248, train_loss: 0.1509, step time: 1.3870
Batch 243/248, train_loss: 0.5766, step time: 1.4031
Batch 244/248, train_loss: 0.3743, step time: 1.3577
Batch 245/248, train_loss: 0.0760, step time: 1.3546
Batch 246/248, train_loss: 0.5318, step time: 1.3561
Batch 247/248, train_loss: 0.2007, step time: 1.3929
Batch 248/248, train_loss: 0.9999, step time: 1.3448

Labels



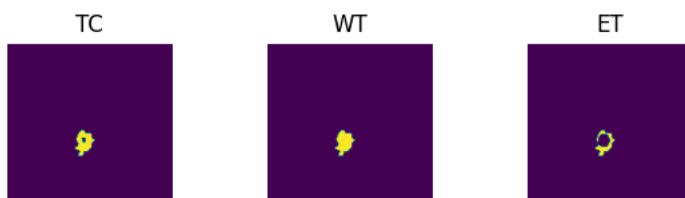
Predictions



VAL

```
Batch 1/31, val_loss: 0.8320
Batch 2/31, val_loss: 0.9892
Batch 3/31, val_loss: 0.9632
Batch 4/31, val_loss: 0.9430
Batch 5/31, val_loss: 0.9945
Batch 6/31, val_loss: 0.6943
Batch 7/31, val_loss: 0.8372
Batch 8/31, val_loss: 0.9470
Batch 9/31, val_loss: 0.6936
Batch 10/31, val_loss: 0.9162
Batch 11/31, val_loss: 0.8196
Batch 12/31, val_loss: 0.9721
Batch 13/31, val_loss: 0.9965
Batch 14/31, val_loss: 0.9393
Batch 15/31, val_loss: 0.9872
Batch 16/31, val_loss: 0.9717
Batch 17/31, val_loss: 0.9631
Batch 18/31, val_loss: 0.9439
Batch 19/31, val_loss: 0.7421
Batch 20/31, val_loss: 0.8716
Batch 21/31, val_loss: 0.8774
Batch 22/31, val_loss: 0.9640
Batch 23/31, val_loss: 0.9695
Batch 24/31, val_loss: 0.7470
Batch 25/31, val_loss: 0.8010
Batch 26/31, val_loss: 0.9217
Batch 27/31, val_loss: 0.9771
Batch 28/31, val_loss: 0.7467
Batch 29/31, val_loss: 0.9847
Batch 30/31, val_loss: 0.9667
Batch 31/31, val_loss: 0.9722
```

Labels



Predictions



epoch 54

```
average train loss: 0.3014
average validation loss: 0.9015
saved as best model: False
current mean dice: 0.5849
current TC dice: 0.6170
current WT dice: 0.6216
current ET dice: 0.5610
```

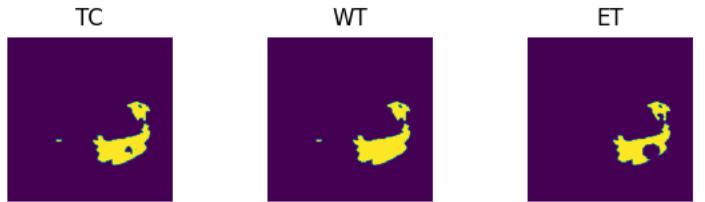
Best Mean Metric: 0.6036
time consuming of epoch 54 is: 1669.6068

epoch 55/100
TRAIN
Batch 1/248, train_loss: 0.0982, step time: 1.4567
Batch 2/248, train_loss: 0.8397, step time: 1.3745
Batch 3/248, train_loss: 0.3847, step time: 1.3763
Batch 4/248, train_loss: 0.9448, step time: 1.3565
Batch 5/248, train_loss: 0.2590, step time: 1.3760
Batch 6/248, train_loss: 0.4380, step time: 1.3710
Batch 7/248, train_loss: 0.0587, step time: 1.3712
Batch 8/248, train_loss: 0.6482, step time: 1.3766
Batch 9/248, train_loss: 0.0394, step time: 1.3655
Batch 10/248, train_loss: 0.2394, step time: 1.3810
Batch 11/248, train_loss: 0.1963, step time: 1.3951
Batch 12/248, train_loss: 0.3498, step time: 1.3939
Batch 13/248, train_loss: 0.4511, step time: 1.3850
Batch 14/248, train_loss: 0.1086, step time: 1.3865
Batch 15/248, train_loss: 0.3611, step time: 1.3566
Batch 16/248, train_loss: 0.2095, step time: 1.3661
Batch 17/248, train_loss: 0.2813, step time: 1.3891
Batch 18/248, train_loss: 0.2777, step time: 1.3916
Batch 19/248, train_loss: 0.7662, step time: 1.3802
Batch 20/248, train_loss: 0.3959, step time: 1.3837
Batch 21/248, train_loss: 0.0483, step time: 1.3736
Batch 22/248, train_loss: 0.8205, step time: 1.3820
Batch 23/248, train_loss: 0.7671, step time: 1.3975
Batch 24/248, train_loss: 0.0873, step time: 1.3962
Batch 25/248, train_loss: 0.0621, step time: 1.3928
Batch 26/248, train_loss: 0.3425, step time: 1.3656
Batch 27/248, train_loss: 0.0694, step time: 1.3698
Batch 28/248, train_loss: 0.1679, step time: 1.3736
Batch 29/248, train_loss: 0.8612, step time: 1.3781
Batch 30/248, train_loss: 0.3528, step time: 1.3664
Batch 31/248, train_loss: 0.3099, step time: 1.3843
Batch 32/248, train_loss: 0.1175, step time: 1.3725
Batch 33/248, train_loss: 0.1274, step time: 1.3626
Batch 34/248, train_loss: 0.0531, step time: 1.3714
Batch 35/248, train_loss: 0.0656, step time: 1.3714
Batch 36/248, train_loss: 0.8522, step time: 1.3821
Batch 37/248, train_loss: 0.1452, step time: 1.3923
Batch 38/248, train_loss: 0.4049, step time: 1.3932
Batch 39/248, train_loss: 0.2260, step time: 1.3962
Batch 40/248, train_loss: 0.8687, step time: 1.4027
Batch 41/248, train_loss: 0.1993, step time: 1.3981
Batch 42/248, train_loss: 0.0684, step time: 1.3748
Batch 43/248, train_loss: 0.0850, step time: 1.3780
Batch 44/248, train_loss: 0.3956, step time: 1.3943
Batch 45/248, train_loss: 0.5364, step time: 1.3691
Batch 46/248, train_loss: 0.1554, step time: 1.3623
Batch 47/248, train_loss: 0.0783, step time: 1.3619
Batch 48/248, train_loss: 0.3380, step time: 1.3543
Batch 49/248, train_loss: 0.4462, step time: 1.3786
Batch 50/248, train_loss: 0.1473, step time: 1.3524
Batch 51/248, train_loss: 0.1280, step time: 1.3759
Batch 52/248, train_loss: 0.1370, step time: 1.3662
Batch 53/248, train_loss: 0.4335, step time: 1.3711
Batch 54/248, train_loss: 0.2522, step time: 1.3654
Batch 55/248, train_loss: 0.3050, step time: 1.3973
Batch 56/248, train_loss: 0.1642, step time: 1.3877
Batch 57/248, train_loss: 0.2085, step time: 1.3635
Batch 58/248, train_loss: 0.0751, step time: 1.3669
Batch 59/248, train_loss: 0.0851, step time: 1.3650
Batch 60/248, train_loss: 0.0502, step time: 1.3778
Batch 61/248, train_loss: 0.0760, step time: 1.3760
Batch 62/248, train_loss: 0.2192, step time: 1.3649
Batch 63/248, train_loss: 0.4052, step time: 1.3923
Batch 64/248, train_loss: 0.4673, step time: 1.3816
Batch 65/248, train_loss: 0.2457, step time: 1.3988
Batch 66/248, train_loss: 0.1552, step time: 1.3660
Batch 67/248, train_loss: 0.0726, step time: 1.3464
Batch 68/248, train_loss: 0.1075, step time: 1.3734
Batch 69/248, train_loss: 0.4561, step time: 1.3737
Batch 70/248, train_loss: 0.1692, step time: 1.3713
Batch 71/248, train_loss: 0.1386, step time: 1.3727
Batch 72/248, train_loss: 0.0622, step time: 1.3550
Batch 73/248, train_loss: 0.0862, step time: 1.3889
Batch 74/248, train_loss: 0.4893, step time: 1.3955
Batch 75/248, train_loss: 0.1063, step time: 1.3881
Batch 76/248, train_loss: 0.5970, step time: 1.3728
Batch 77/248, train_loss: 0.7918, step time: 1.3809
Batch 78/248, train_loss: 0.0890, step time: 1.3958
Batch 79/248, train_loss: 0.1246, step time: 1.3964
Batch 80/248, train_loss: 0.1977, step time: 1.3628

Batch 81/248, train_loss: 0.1459, step time: 1.4052
Batch 82/248, train_loss: 0.0839, step time: 1.3819
Batch 83/248, train_loss: 0.5460, step time: 1.3907
Batch 84/248, train_loss: 0.2169, step time: 1.3710
Batch 85/248, train_loss: 0.3135, step time: 1.3665
Batch 86/248, train_loss: 0.2281, step time: 1.3834
Batch 87/248, train_loss: 0.9585, step time: 1.3947
Batch 88/248, train_loss: 0.4150, step time: 1.3921
Batch 89/248, train_loss: 0.0755, step time: 1.3869
Batch 90/248, train_loss: 0.2639, step time: 1.3896
Batch 91/248, train_loss: 0.3331, step time: 1.3844
Batch 92/248, train_loss: 0.9185, step time: 1.3884
Batch 93/248, train_loss: 0.1550, step time: 1.3803
Batch 94/248, train_loss: 0.2253, step time: 1.3682
Batch 95/248, train_loss: 0.1727, step time: 1.3850
Batch 96/248, train_loss: 0.1488, step time: 1.3737
Batch 97/248, train_loss: 0.5861, step time: 1.3666
Batch 98/248, train_loss: 0.1066, step time: 1.3728
Batch 99/248, train_loss: 0.2706, step time: 1.3653
Batch 100/248, train_loss: 0.2260, step time: 1.3919
Batch 101/248, train_loss: 0.0435, step time: 1.3530
Batch 102/248, train_loss: 0.0960, step time: 1.3748
Batch 103/248, train_loss: 0.2924, step time: 1.3640
Batch 104/248, train_loss: 0.2593, step time: 1.3637
Batch 105/248, train_loss: 0.0784, step time: 1.3740
Batch 106/248, train_loss: 0.1191, step time: 1.3765
Batch 107/248, train_loss: 0.2771, step time: 1.3701
Batch 108/248, train_loss: 0.6493, step time: 1.4020
Batch 109/248, train_loss: 0.9871, step time: 1.3924
Batch 110/248, train_loss: 0.5853, step time: 1.3844
Batch 111/248, train_loss: 0.0901, step time: 1.3829
Batch 112/248, train_loss: 0.1179, step time: 1.3736
Batch 113/248, train_loss: 0.8729, step time: 1.3910
Batch 114/248, train_loss: 0.1304, step time: 1.3578
Batch 115/248, train_loss: 0.2412, step time: 1.3553
Batch 116/248, train_loss: 0.1007, step time: 1.3932
Batch 117/248, train_loss: 0.8739, step time: 1.3639
Batch 118/248, train_loss: 0.9330, step time: 1.3756
Batch 119/248, train_loss: 0.3208, step time: 1.3794
Batch 120/248, train_loss: 0.2316, step time: 1.3708
Batch 121/248, train_loss: 0.2832, step time: 1.3598
Batch 122/248, train_loss: 0.6255, step time: 1.3754
Batch 123/248, train_loss: 0.1593, step time: 1.3803
Batch 124/248, train_loss: 0.7595, step time: 1.3678
Batch 125/248, train_loss: 0.7774, step time: 1.3893
Batch 126/248, train_loss: 0.2082, step time: 1.3651
Batch 127/248, train_loss: 0.1052, step time: 1.3952
Batch 128/248, train_loss: 0.1305, step time: 1.3920
Batch 129/248, train_loss: 0.1005, step time: 1.3881
Batch 130/248, train_loss: 0.1235, step time: 1.3583
Batch 131/248, train_loss: 0.4341, step time: 1.3661
Batch 132/248, train_loss: 0.3596, step time: 1.3769
Batch 133/248, train_loss: 0.1576, step time: 1.3737
Batch 134/248, train_loss: 0.9708, step time: 1.3794
Batch 135/248, train_loss: 0.2600, step time: 1.3670
Batch 136/248, train_loss: 0.1007, step time: 1.3713
Batch 137/248, train_loss: 0.1250, step time: 1.3765
Batch 138/248, train_loss: 0.0732, step time: 1.3877
Batch 139/248, train_loss: 0.2044, step time: 1.3672
Batch 140/248, train_loss: 0.2274, step time: 1.3982
Batch 141/248, train_loss: 0.1732, step time: 1.3542
Batch 142/248, train_loss: 0.7111, step time: 1.3696
Batch 143/248, train_loss: 0.2173, step time: 1.3675
Batch 144/248, train_loss: 0.1165, step time: 1.3898
Batch 145/248, train_loss: 0.0629, step time: 1.3736
Batch 146/248, train_loss: 0.6547, step time: 1.3852
Batch 147/248, train_loss: 0.0649, step time: 1.3596
Batch 148/248, train_loss: 0.7803, step time: 1.3949
Batch 149/248, train_loss: 0.1519, step time: 1.3887
Batch 150/248, train_loss: 0.5788, step time: 1.4014
Batch 151/248, train_loss: 0.3301, step time: 1.3718
Batch 152/248, train_loss: 0.0420, step time: 1.3870
Batch 153/248, train_loss: 0.2450, step time: 1.4062
Batch 154/248, train_loss: 0.5823, step time: 1.3709
Batch 155/248, train_loss: 0.1281, step time: 1.3606
Batch 156/248, train_loss: 0.4200, step time: 1.3743
Batch 157/248, train_loss: 0.3412, step time: 1.3590
Batch 158/248, train_loss: 0.9716, step time: 1.3997
Batch 159/248, train_loss: 0.6419, step time: 1.3725
Batch 160/248, train_loss: 0.0964, step time: 1.3640
Batch 161/248, train_loss: 0.0700, step time: 1.3616
Batch 162/248, train_loss: 0.1360, step time: 1.3715
Batch 163/248, train_loss: 0.1785, step time: 1.3999
Batch 164/248, train_loss: 0.2148, step time: 1.3710
Batch 165/248, train_loss: 0.5906, step time: 1.3706

Batch 100/248, train_loss: 0.0000, step time: 1.3700
Batch 101/248, train_loss: 0.1057, step time: 1.3963
Batch 102/248, train_loss: 0.1736, step time: 1.3757
Batch 103/248, train_loss: 0.1692, step time: 1.3859
Batch 104/248, train_loss: 0.0841, step time: 1.3902
Batch 105/248, train_loss: 0.5311, step time: 1.3757
Batch 106/248, train_loss: 0.0915, step time: 1.3844
Batch 107/248, train_loss: 0.4586, step time: 1.3689
Batch 108/248, train_loss: 0.2758, step time: 1.3896
Batch 109/248, train_loss: 0.4292, step time: 1.3857
Batch 110/248, train_loss: 0.2947, step time: 1.3988
Batch 111/248, train_loss: 0.3165, step time: 1.3604
Batch 112/248, train_loss: 0.4561, step time: 1.3860
Batch 113/248, train_loss: 0.2945, step time: 1.3825
Batch 114/248, train_loss: 0.0865, step time: 1.3570
Batch 115/248, train_loss: 0.3597, step time: 1.3593
Batch 116/248, train_loss: 0.0992, step time: 1.3714
Batch 117/248, train_loss: 0.8901, step time: 1.3888
Batch 118/248, train_loss: 0.1623, step time: 1.3592
Batch 119/248, train_loss: 0.3593, step time: 1.3686
Batch 120/248, train_loss: 0.1040, step time: 1.3850
Batch 121/248, train_loss: 0.0977, step time: 1.3765
Batch 122/248, train_loss: 0.1595, step time: 1.3628
Batch 123/248, train_loss: 0.2365, step time: 1.3993
Batch 124/248, train_loss: 0.6174, step time: 1.3742
Batch 125/248, train_loss: 0.1277, step time: 1.3529
Batch 126/248, train_loss: 0.7611, step time: 1.3797
Batch 127/248, train_loss: 0.2567, step time: 1.3911
Batch 128/248, train_loss: 0.2438, step time: 1.3609
Batch 129/248, train_loss: 0.1056, step time: 1.3786
Batch 130/248, train_loss: 0.7150, step time: 1.3737
Batch 131/248, train_loss: 0.8531, step time: 1.3664
Batch 132/248, train_loss: 0.2343, step time: 1.3675
Batch 133/248, train_loss: 0.9816, step time: 1.3800
Batch 134/248, train_loss: 0.1482, step time: 1.3914
Batch 135/248, train_loss: 0.1238, step time: 1.3874
Batch 136/248, train_loss: 0.1409, step time: 1.3606
Batch 137/248, train_loss: 0.5199, step time: 1.3717
Batch 138/248, train_loss: 0.3919, step time: 1.3679
Batch 139/248, train_loss: 0.1315, step time: 1.3791
Batch 140/248, train_loss: 0.2776, step time: 1.3546
Batch 141/248, train_loss: 0.5951, step time: 1.3998
Batch 142/248, train_loss: 0.0679, step time: 1.3976
Batch 143/248, train_loss: 0.1519, step time: 1.3912
Batch 144/248, train_loss: 0.2080, step time: 1.3786
Batch 145/248, train_loss: 0.0832, step time: 1.3574
Batch 146/248, train_loss: 0.0894, step time: 1.3750
Batch 147/248, train_loss: 0.2987, step time: 1.3556
Batch 148/248, train_loss: 0.2557, step time: 1.3664
Batch 149/248, train_loss: 0.0882, step time: 1.3511
Batch 150/248, train_loss: 0.4999, step time: 1.4002
Batch 151/248, train_loss: 0.1845, step time: 1.3693
Batch 152/248, train_loss: 0.7569, step time: 1.4057
Batch 153/248, train_loss: 0.9215, step time: 1.4089
Batch 154/248, train_loss: 0.0655, step time: 1.3651
Batch 155/248, train_loss: 0.1915, step time: 1.3816
Batch 156/248, train_loss: 0.2489, step time: 1.3899
Batch 157/248, train_loss: 0.2166, step time: 1.3824
Batch 158/248, train_loss: 0.0454, step time: 1.3611
Batch 159/248, train_loss: 0.1190, step time: 1.3769
Batch 160/248, train_loss: 0.2950, step time: 1.3662
Batch 161/248, train_loss: 0.1004, step time: 1.3760
Batch 162/248, train_loss: 0.1111, step time: 1.3580
Batch 163/248, train_loss: 0.1368, step time: 1.3831
Batch 164/248, train_loss: 0.1494, step time: 1.3901
Batch 165/248, train_loss: 0.1039, step time: 1.3945
Batch 166/248, train_loss: 0.8327, step time: 1.3787
Batch 167/248, train_loss: 0.1080, step time: 1.4022
Batch 168/248, train_loss: 0.9748, step time: 1.3880
Batch 169/248, train_loss: 0.4317, step time: 1.3830
Batch 170/248, train_loss: 0.3618, step time: 1.3911
Batch 171/248, train_loss: 0.8030, step time: 1.3900
Batch 172/248, train_loss: 0.1229, step time: 1.3544
Batch 173/248, train_loss: 0.0970, step time: 1.3555
Batch 174/248, train_loss: 0.0524, step time: 1.3522
Batch 175/248, train_loss: 0.4060, step time: 1.3690
Batch 176/248, train_loss: 0.8097, step time: 1.3671
Batch 177/248, train_loss: 0.1527, step time: 1.3818
Batch 178/248, train_loss: 0.5513, step time: 1.3885
Batch 179/248, train_loss: 0.3974, step time: 1.3942
Batch 180/248, train_loss: 0.0736, step time: 1.3687
Batch 181/248, train_loss: 0.5392, step time: 1.3591
Batch 182/248, train_loss: 0.0741, step time: 1.3459
Batch 183/248, train_loss: 0.9999, step time: 1.3585

Labels



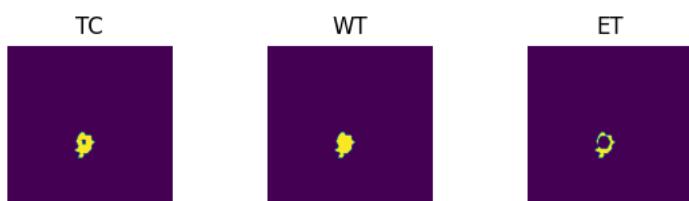
Predictions



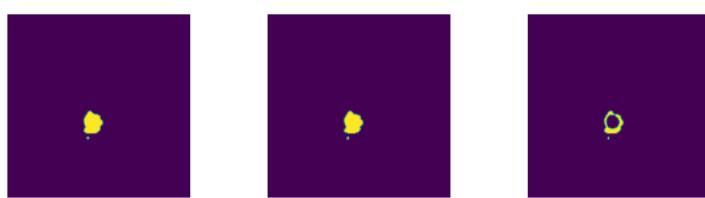
VAL

```
Batch 1/31, val_loss: 0.8463
Batch 2/31, val_loss: 0.9909
Batch 3/31, val_loss: 0.9668
Batch 4/31, val_loss: 0.9499
Batch 5/31, val_loss: 0.9925
Batch 6/31, val_loss: 0.6937
Batch 7/31, val_loss: 0.8227
Batch 8/31, val_loss: 0.9376
Batch 9/31, val_loss: 0.6943
Batch 10/31, val_loss: 0.9128
Batch 11/31, val_loss: 0.8181
Batch 12/31, val_loss: 0.9743
Batch 13/31, val_loss: 0.9846
Batch 14/31, val_loss: 0.9454
Batch 15/31, val_loss: 0.9854
Batch 16/31, val_loss: 0.9724
Batch 17/31, val_loss: 0.9658
Batch 18/31, val_loss: 0.9321
Batch 19/31, val_loss: 0.7354
Batch 20/31, val_loss: 0.8657
Batch 21/31, val_loss: 0.8761
Batch 22/31, val_loss: 0.9645
Batch 23/31, val_loss: 0.9702
Batch 24/31, val_loss: 0.7514
Batch 25/31, val_loss: 0.7990
Batch 26/31, val_loss: 0.9244
Batch 27/31, val_loss: 0.9716
Batch 28/31, val_loss: 0.7459
Batch 29/31, val_loss: 0.9824
Batch 30/31, val_loss: 0.9645
Batch 31/31, val_loss: 0.9722
```

Labels



Predictions



epoch 55

```
average train loss: 0.3164
average validation loss: 0.9000
saved as best model: False
current mean dice: 0.5636
current TC dice: 0.5891
current WT dice: 0.5983
current ET dice: 0.5437
```

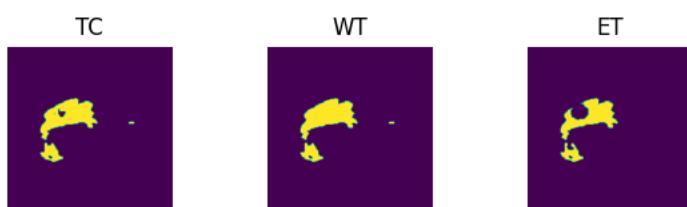
Best Mean Metric: 0.6036
time consuming of epoch 55 is: 1677.4237

epoch 56/100
TRAIN
Batch 1/248, train_loss: 0.0712, step time: 1.4430
Batch 2/248, train_loss: 0.7554, step time: 1.3768
Batch 3/248, train_loss: 0.3812, step time: 1.3783
Batch 4/248, train_loss: 0.9404, step time: 1.3580
Batch 5/248, train_loss: 0.2289, step time: 1.3608
Batch 6/248, train_loss: 0.2307, step time: 1.3622
Batch 7/248, train_loss: 0.0882, step time: 1.3997
Batch 8/248, train_loss: 0.6645, step time: 1.3858
Batch 9/248, train_loss: 0.0510, step time: 1.3599
Batch 10/248, train_loss: 0.2281, step time: 1.4046
Batch 11/248, train_loss: 0.1972, step time: 1.3723
Batch 12/248, train_loss: 0.3497, step time: 1.3712
Batch 13/248, train_loss: 0.3006, step time: 1.3906
Batch 14/248, train_loss: 0.0512, step time: 1.3890
Batch 15/248, train_loss: 0.3163, step time: 1.3772
Batch 16/248, train_loss: 0.1731, step time: 1.3806
Batch 17/248, train_loss: 0.2344, step time: 1.3569
Batch 18/248, train_loss: 0.2904, step time: 1.3654
Batch 19/248, train_loss: 0.3053, step time: 1.3748
Batch 20/248, train_loss: 0.1138, step time: 1.3535
Batch 21/248, train_loss: 0.0636, step time: 1.3803
Batch 22/248, train_loss: 0.9907, step time: 1.3713
Batch 23/248, train_loss: 0.6352, step time: 1.3846
Batch 24/248, train_loss: 0.0939, step time: 1.3495
Batch 25/248, train_loss: 0.0557, step time: 1.3882
Batch 26/248, train_loss: 0.3513, step time: 1.3775
Batch 27/248, train_loss: 0.0702, step time: 1.3934
Batch 28/248, train_loss: 0.1504, step time: 1.4037
Batch 29/248, train_loss: 0.4426, step time: 1.4152
Batch 30/248, train_loss: 0.2062, step time: 1.3693
Batch 31/248, train_loss: 0.2702, step time: 1.3726
Batch 32/248, train_loss: 0.0732, step time: 1.3877
Batch 33/248, train_loss: 0.0708, step time: 1.3497
Batch 34/248, train_loss: 0.0483, step time: 1.3676
Batch 35/248, train_loss: 0.0712, step time: 1.3551
Batch 36/248, train_loss: 0.4857, step time: 1.3773
Batch 37/248, train_loss: 0.1479, step time: 1.3762
Batch 38/248, train_loss: 0.2845, step time: 1.3640
Batch 39/248, train_loss: 0.1752, step time: 1.3580
Batch 40/248, train_loss: 0.7666, step time: 1.3862
Batch 41/248, train_loss: 0.2746, step time: 1.4016
Batch 42/248, train_loss: 0.0672, step time: 1.3830
Batch 43/248, train_loss: 0.1052, step time: 1.3797
Batch 44/248, train_loss: 0.2042, step time: 1.3836
Batch 45/248, train_loss: 0.6471, step time: 1.3783
Batch 46/248, train_loss: 0.2224, step time: 1.3579
Batch 47/248, train_loss: 0.0809, step time: 1.3660
Batch 48/248, train_loss: 0.1989, step time: 1.3595
Batch 49/248, train_loss: 0.4790, step time: 1.3778
Batch 50/248, train_loss: 0.1247, step time: 1.3611
Batch 51/248, train_loss: 0.1204, step time: 1.3785
Batch 52/248, train_loss: 0.1097, step time: 1.3753
Batch 53/248, train_loss: 0.4035, step time: 1.3981
Batch 54/248, train_loss: 0.2636, step time: 1.3985
Batch 55/248, train_loss: 0.2347, step time: 1.3558
Batch 56/248, train_loss: 0.1676, step time: 1.3706
Batch 57/248, train_loss: 0.2917, step time: 1.3895
Batch 58/248, train_loss: 0.0713, step time: 1.3453
Batch 59/248, train_loss: 0.0777, step time: 1.3833
Batch 60/248, train_loss: 0.0603, step time: 1.3545
Batch 61/248, train_loss: 0.0941, step time: 1.3859
Batch 62/248, train_loss: 0.2281, step time: 1.3903
Batch 63/248, train_loss: 0.4057, step time: 1.3932
Batch 64/248, train_loss: 0.3520, step time: 1.3936
Batch 65/248, train_loss: 0.2887, step time: 1.3834
Batch 66/248, train_loss: 0.1327, step time: 1.3768
Batch 67/248, train_loss: 0.0653, step time: 1.3727
Batch 68/248, train_loss: 0.1381, step time: 1.3908
Batch 69/248, train_loss: 0.4887, step time: 1.3768
Batch 70/248, train_loss: 0.1594, step time: 1.3812
Batch 71/248, train_loss: 0.1243, step time: 1.3988
Batch 72/248, train_loss: 0.0677, step time: 1.3921
Batch 73/248, train_loss: 0.4876, step time: 1.3705
Batch 74/248, train_loss: 0.9938, step time: 1.3614
Batch 75/248, train_loss: 0.1240, step time: 1.3962
Batch 76/248, train_loss: 0.8038, step time: 1.3744
Batch 77/248, train_loss: 0.9938, step time: 1.3825
Batch 78/248, train_loss: 0.1510, step time: 1.3632
Batch 79/248, train_loss: 0.1987, step time: 1.3838
Batch 80/248, train_loss: 0.2252, step time: 1.3621

Batch 80/248, train_loss: 0.2992, step time: 1.3621
Batch 81/248, train_loss: 0.1650, step time: 1.3835
Batch 82/248, train_loss: 0.1246, step time: 1.3817
Batch 83/248, train_loss: 0.6315, step time: 1.3903
Batch 84/248, train_loss: 0.2871, step time: 1.3821
Batch 85/248, train_loss: 0.3610, step time: 1.3824
Batch 86/248, train_loss: 0.4304, step time: 1.3963
Batch 87/248, train_loss: 0.9326, step time: 1.3956
Batch 88/248, train_loss: 0.3911, step time: 1.3802
Batch 89/248, train_loss: 0.0887, step time: 1.3780
Batch 90/248, train_loss: 0.2756, step time: 1.4014
Batch 91/248, train_loss: 0.4199, step time: 1.3752
Batch 92/248, train_loss: 0.7524, step time: 1.3950
Batch 93/248, train_loss: 0.1555, step time: 1.3842
Batch 94/248, train_loss: 0.2305, step time: 1.3936
Batch 95/248, train_loss: 0.1847, step time: 1.3685
Batch 96/248, train_loss: 0.1536, step time: 1.3775
Batch 97/248, train_loss: 0.4837, step time: 1.3842
Batch 98/248, train_loss: 0.1031, step time: 1.3919
Batch 99/248, train_loss: 0.2793, step time: 1.3910
Batch 100/248, train_loss: 0.2537, step time: 1.3625
Batch 101/248, train_loss: 0.0547, step time: 1.3973
Batch 102/248, train_loss: 0.1104, step time: 1.3956
Batch 103/248, train_loss: 0.3978, step time: 1.3991
Batch 104/248, train_loss: 0.3747, step time: 1.3685
Batch 105/248, train_loss: 0.0924, step time: 1.3762
Batch 106/248, train_loss: 0.1272, step time: 1.3797
Batch 107/248, train_loss: 0.7779, step time: 1.3670
Batch 108/248, train_loss: 0.5542, step time: 1.3976
Batch 109/248, train_loss: 0.7750, step time: 1.3771
Batch 110/248, train_loss: 0.9980, step time: 1.3780
Batch 111/248, train_loss: 0.0947, step time: 1.3648
Batch 112/248, train_loss: 0.1376, step time: 1.3775
Batch 113/248, train_loss: 0.5399, step time: 1.3605
Batch 114/248, train_loss: 0.1525, step time: 1.3766
Batch 115/248, train_loss: 0.1573, step time: 1.3713
Batch 116/248, train_loss: 0.0849, step time: 1.3821
Batch 117/248, train_loss: 0.6780, step time: 1.3916
Batch 118/248, train_loss: 0.1682, step time: 1.3928
Batch 119/248, train_loss: 0.3942, step time: 1.3706
Batch 120/248, train_loss: 0.2630, step time: 1.3588
Batch 121/248, train_loss: 0.3299, step time: 1.3948
Batch 122/248, train_loss: 0.4510, step time: 1.3809
Batch 123/248, train_loss: 0.0827, step time: 1.3732
Batch 124/248, train_loss: 0.2925, step time: 1.3838
Batch 125/248, train_loss: 0.4982, step time: 1.3619
Batch 126/248, train_loss: 0.1914, step time: 1.3894
Batch 127/248, train_loss: 0.1183, step time: 1.4093
Batch 128/248, train_loss: 0.1723, step time: 1.3969
Batch 129/248, train_loss: 0.0892, step time: 1.3979
Batch 130/248, train_loss: 0.1243, step time: 1.3652
Batch 131/248, train_loss: 0.5410, step time: 1.3822
Batch 132/248, train_loss: 0.2176, step time: 1.3715
Batch 133/248, train_loss: 0.1456, step time: 1.3715
Batch 134/248, train_loss: 0.9855, step time: 1.3902
Batch 135/248, train_loss: 0.5603, step time: 1.3662
Batch 136/248, train_loss: 0.2495, step time: 1.3690
Batch 137/248, train_loss: 0.1057, step time: 1.3639
Batch 138/248, train_loss: 0.0660, step time: 1.3599
Batch 139/248, train_loss: 0.1753, step time: 1.3812
Batch 140/248, train_loss: 0.1498, step time: 1.3714
Batch 141/248, train_loss: 0.2005, step time: 1.3815
Batch 142/248, train_loss: 0.5554, step time: 1.3744
Batch 143/248, train_loss: 0.2074, step time: 1.3704
Batch 144/248, train_loss: 0.1301, step time: 1.3900
Batch 145/248, train_loss: 0.0505, step time: 1.3496
Batch 146/248, train_loss: 0.3981, step time: 1.3818
Batch 147/248, train_loss: 0.0379, step time: 1.3729
Batch 148/248, train_loss: 0.8519, step time: 1.3724
Batch 149/248, train_loss: 0.1130, step time: 1.3774
Batch 150/248, train_loss: 0.6356, step time: 1.4007
Batch 151/248, train_loss: 0.2097, step time: 1.3725
Batch 152/248, train_loss: 0.0383, step time: 1.3463
Batch 153/248, train_loss: 0.2918, step time: 1.3732
Batch 154/248, train_loss: 0.5731, step time: 1.3855
Batch 155/248, train_loss: 0.0807, step time: 1.3837
Batch 156/248, train_loss: 0.1924, step time: 1.3690
Batch 157/248, train_loss: 0.3378, step time: 1.3997
Batch 158/248, train_loss: 0.9025, step time: 1.3916
Batch 159/248, train_loss: 0.4121, step time: 1.3952
Batch 160/248, train_loss: 0.0866, step time: 1.3852
Batch 161/248, train_loss: 0.0746, step time: 1.3727
Batch 162/248, train_loss: 0.0847, step time: 1.3835
Batch 163/248, train_loss: 0.1895, step time: 1.3631
Batch 164/248, train_loss: 0.3239, step time: 1.3653

Batch 165/248, train_loss: 0.5247, step time: 1.3615
Batch 166/248, train_loss: 0.1158, step time: 1.3806
Batch 167/248, train_loss: 0.1499, step time: 1.3621
Batch 168/248, train_loss: 0.1464, step time: 1.3773
Batch 169/248, train_loss: 0.0933, step time: 1.3631
Batch 170/248, train_loss: 0.5038, step time: 1.3723
Batch 171/248, train_loss: 0.0779, step time: 1.3866
Batch 172/248, train_loss: 0.4379, step time: 1.3679
Batch 173/248, train_loss: 0.0666, step time: 1.3495
Batch 174/248, train_loss: 0.3923, step time: 1.3755
Batch 175/248, train_loss: 0.1062, step time: 1.3659
Batch 176/248, train_loss: 0.4071, step time: 1.3660
Batch 177/248, train_loss: 0.4206, step time: 1.3908
Batch 178/248, train_loss: 0.2763, step time: 1.3864
Batch 179/248, train_loss: 0.0736, step time: 1.3850
Batch 180/248, train_loss: 0.3742, step time: 1.3657
Batch 181/248, train_loss: 0.0843, step time: 1.3734
Batch 182/248, train_loss: 0.8881, step time: 1.3708
Batch 183/248, train_loss: 0.1216, step time: 1.3567
Batch 184/248, train_loss: 0.2261, step time: 1.3581
Batch 185/248, train_loss: 0.1018, step time: 1.3851
Batch 186/248, train_loss: 0.0922, step time: 1.3766
Batch 187/248, train_loss: 0.1577, step time: 1.3821
Batch 188/248, train_loss: 0.2519, step time: 1.3681
Batch 189/248, train_loss: 0.5773, step time: 1.3915
Batch 190/248, train_loss: 0.1135, step time: 1.3583
Batch 191/248, train_loss: 0.6399, step time: 1.3901
Batch 192/248, train_loss: 0.2645, step time: 1.3856
Batch 193/248, train_loss: 0.2331, step time: 1.3789
Batch 194/248, train_loss: 0.0978, step time: 1.3840
Batch 195/248, train_loss: 0.5648, step time: 1.3635
Batch 196/248, train_loss: 0.5999, step time: 1.3812
Batch 197/248, train_loss: 0.1752, step time: 1.3618
Batch 198/248, train_loss: 0.4660, step time: 1.3968
Batch 199/248, train_loss: 0.1614, step time: 1.3573
Batch 200/248, train_loss: 0.1146, step time: 1.3745
Batch 201/248, train_loss: 0.1210, step time: 1.3710
Batch 202/248, train_loss: 0.4380, step time: 1.3767
Batch 203/248, train_loss: 0.3519, step time: 1.3743
Batch 204/248, train_loss: 0.0814, step time: 1.3667
Batch 205/248, train_loss: 0.2671, step time: 1.3543
Batch 206/248, train_loss: 0.3566, step time: 1.3761
Batch 207/248, train_loss: 0.1104, step time: 1.3666
Batch 208/248, train_loss: 0.1824, step time: 1.3622
Batch 209/248, train_loss: 0.1274, step time: 1.3696
Batch 210/248, train_loss: 0.0648, step time: 1.3588
Batch 211/248, train_loss: 0.0733, step time: 1.3907
Batch 212/248, train_loss: 0.2392, step time: 1.3908
Batch 213/248, train_loss: 0.1763, step time: 1.3864
Batch 214/248, train_loss: 0.0751, step time: 1.3674
Batch 215/248, train_loss: 0.4176, step time: 1.4062
Batch 216/248, train_loss: 0.2469, step time: 1.3790
Batch 217/248, train_loss: 0.2793, step time: 1.3806
Batch 218/248, train_loss: 0.7037, step time: 1.3670
Batch 219/248, train_loss: 0.0705, step time: 1.3785
Batch 220/248, train_loss: 0.2255, step time: 1.3741
Batch 221/248, train_loss: 0.2522, step time: 1.3660
Batch 222/248, train_loss: 0.1973, step time: 1.3551
Batch 223/248, train_loss: 0.0428, step time: 1.3539
Batch 224/248, train_loss: 0.0954, step time: 1.3760
Batch 225/248, train_loss: 0.1768, step time: 1.3675
Batch 226/248, train_loss: 0.1122, step time: 1.3559
Batch 227/248, train_loss: 0.0998, step time: 1.3540
Batch 228/248, train_loss: 0.1350, step time: 1.3789
Batch 229/248, train_loss: 0.0923, step time: 1.3930
Batch 230/248, train_loss: 0.0670, step time: 1.3596
Batch 231/248, train_loss: 0.7155, step time: 1.3763
Batch 232/248, train_loss: 0.0788, step time: 1.3550
Batch 233/248, train_loss: 0.9027, step time: 1.3728
Batch 234/248, train_loss: 0.4575, step time: 1.3803
Batch 235/248, train_loss: 0.2103, step time: 1.4041
Batch 236/248, train_loss: 0.7379, step time: 1.3931
Batch 237/248, train_loss: 0.1213, step time: 1.3551
Batch 238/248, train_loss: 0.0776, step time: 1.3524
Batch 239/248, train_loss: 0.5092, step time: 1.3919
Batch 240/248, train_loss: 0.3992, step time: 1.3847
Batch 241/248, train_loss: 0.8889, step time: 1.3828
Batch 242/248, train_loss: 0.1583, step time: 1.3597
Batch 243/248, train_loss: 0.4339, step time: 1.3884
Batch 244/248, train_loss: 0.4195, step time: 1.3637
Batch 245/248, train_loss: 0.1021, step time: 1.3852
Batch 246/248, train_loss: 0.6222, step time: 1.3667
Batch 247/248, train_loss: 0.1058, step time: 1.3931
Batch 248/248, train_loss: 0.9998, step time: 1.3577

LANDS



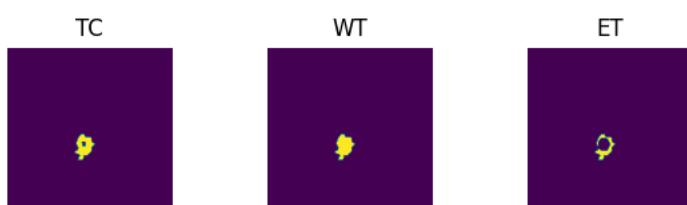
Predictions



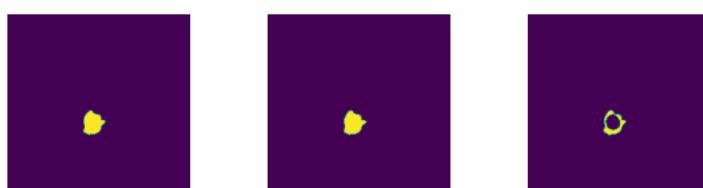
VAL

```
Batch 1/31, val_loss: 0.8361
Batch 2/31, val_loss: 0.9890
Batch 3/31, val_loss: 0.9609
Batch 4/31, val_loss: 0.9473
Batch 5/31, val_loss: 0.9938
Batch 6/31, val_loss: 0.7350
Batch 7/31, val_loss: 0.9601
Batch 8/31, val_loss: 0.9475
Batch 9/31, val_loss: 0.7001
Batch 10/31, val_loss: 0.9177
Batch 11/31, val_loss: 0.8199
Batch 12/31, val_loss: 0.9715
Batch 13/31, val_loss: 0.9989
Batch 14/31, val_loss: 0.9384
Batch 15/31, val_loss: 0.9857
Batch 16/31, val_loss: 0.9742
Batch 17/31, val_loss: 0.9765
Batch 18/31, val_loss: 0.9421
Batch 19/31, val_loss: 0.7455
Batch 20/31, val_loss: 0.8702
Batch 21/31, val_loss: 0.8843
Batch 22/31, val_loss: 0.9603
Batch 23/31, val_loss: 0.9672
Batch 24/31, val_loss: 0.7482
Batch 25/31, val_loss: 0.8080
Batch 26/31, val_loss: 0.9238
Batch 27/31, val_loss: 0.9789
Batch 28/31, val_loss: 0.7457
Batch 29/31, val_loss: 0.9848
Batch 30/31, val_loss: 0.9653
Batch 31/31, val_loss: 0.9738
```

Labels



Predictions



epoch 56

```
average train loss: 0.2913
average validation loss: 0.9081
saved as best model: False
current mean dice: 0.5772
current TC dice: 0.6104
current WT dice: 0.6163
current ET dice: 0.5416
```

current ϵ_1 dice: 0.5416
Best Mean Metric: 0.6036
time consuming of epoch 56 is: 1686.0571

epoch 57/100
TRAIN
Batch 1/248, train_loss: 0.1256, step time: 1.4202
Batch 2/248, train_loss: 0.7255, step time: 1.3776
Batch 3/248, train_loss: 0.4751, step time: 1.3525
Batch 4/248, train_loss: 0.9130, step time: 1.3899
Batch 5/248, train_loss: 0.3514, step time: 1.3859
Batch 6/248, train_loss: 0.2049, step time: 1.3684
Batch 7/248, train_loss: 0.0655, step time: 1.3677
Batch 8/248, train_loss: 0.6298, step time: 1.3927
Batch 9/248, train_loss: 0.0517, step time: 1.3750
Batch 10/248, train_loss: 0.3158, step time: 1.3796
Batch 11/248, train_loss: 0.2083, step time: 1.3644
Batch 12/248, train_loss: 0.4783, step time: 1.3718
Batch 13/248, train_loss: 0.2761, step time: 1.3718
Batch 14/248, train_loss: 0.0459, step time: 1.3612
Batch 15/248, train_loss: 0.3383, step time: 1.3857
Batch 16/248, train_loss: 0.1629, step time: 1.3792
Batch 17/248, train_loss: 0.3712, step time: 1.3863
Batch 18/248, train_loss: 0.3183, step time: 1.3793
Batch 19/248, train_loss: 0.3428, step time: 1.3734
Batch 20/248, train_loss: 0.2689, step time: 1.3900
Batch 21/248, train_loss: 0.0486, step time: 1.3599
Batch 22/248, train_loss: 0.7978, step time: 1.3563
Batch 23/248, train_loss: 0.5690, step time: 1.3668
Batch 24/248, train_loss: 0.0804, step time: 1.3546
Batch 25/248, train_loss: 0.0575, step time: 1.3561
Batch 26/248, train_loss: 0.3723, step time: 1.3764
Batch 27/248, train_loss: 0.0806, step time: 1.3730
Batch 28/248, train_loss: 0.1540, step time: 1.3851
Batch 29/248, train_loss: 0.4057, step time: 1.3885
Batch 30/248, train_loss: 0.3069, step time: 1.3938
Batch 31/248, train_loss: 0.3007, step time: 1.3667
Batch 32/248, train_loss: 0.0821, step time: 1.3595
Batch 33/248, train_loss: 0.1504, step time: 1.3870
Batch 34/248, train_loss: 0.2498, step time: 1.3664
Batch 35/248, train_loss: 0.1016, step time: 1.3768
Batch 36/248, train_loss: 0.8950, step time: 1.3663
Batch 37/248, train_loss: 0.1390, step time: 1.3610
Batch 38/248, train_loss: 0.2992, step time: 1.3682
Batch 39/248, train_loss: 0.1845, step time: 1.3715
Batch 40/248, train_loss: 0.5561, step time: 1.3878
Batch 41/248, train_loss: 0.3167, step time: 1.3755
Batch 42/248, train_loss: 0.0484, step time: 1.3750
Batch 43/248, train_loss: 0.1474, step time: 1.3982
Batch 44/248, train_loss: 0.8951, step time: 1.3729
Batch 45/248, train_loss: 0.9470, step time: 1.4050
Batch 46/248, train_loss: 0.2429, step time: 1.3933
Batch 47/248, train_loss: 0.0734, step time: 1.3833
Batch 48/248, train_loss: 0.4192, step time: 1.3983
Batch 49/248, train_loss: 0.3798, step time: 1.3879
Batch 50/248, train_loss: 0.1596, step time: 1.3914
Batch 51/248, train_loss: 0.2042, step time: 1.3689
Batch 52/248, train_loss: 0.0961, step time: 1.3980
Batch 53/248, train_loss: 0.4336, step time: 1.3721
Batch 54/248, train_loss: 0.2600, step time: 1.3786
Batch 55/248, train_loss: 0.3213, step time: 1.3880
Batch 56/248, train_loss: 0.1936, step time: 1.3776
Batch 57/248, train_loss: 0.3500, step time: 1.3660
Batch 58/248, train_loss: 0.0727, step time: 1.3843
Batch 59/248, train_loss: 0.0970, step time: 1.3642
Batch 60/248, train_loss: 0.0627, step time: 1.3548
Batch 61/248, train_loss: 0.0924, step time: 1.3741
Batch 62/248, train_loss: 0.2433, step time: 1.4020
Batch 63/248, train_loss: 0.5151, step time: 1.3631
Batch 64/248, train_loss: 0.4816, step time: 1.3712
Batch 65/248, train_loss: 0.5655, step time: 1.3893
Batch 66/248, train_loss: 0.1171, step time: 1.3657
Batch 67/248, train_loss: 0.0787, step time: 1.3834
Batch 68/248, train_loss: 0.1108, step time: 1.3851
Batch 69/248, train_loss: 0.5795, step time: 1.3773
Batch 70/248, train_loss: 0.1991, step time: 1.3725
Batch 71/248, train_loss: 0.1301, step time: 1.3774
Batch 72/248, train_loss: 0.0620, step time: 1.3610
Batch 73/248, train_loss: 0.1640, step time: 1.3518
Batch 74/248, train_loss: 0.9862, step time: 1.3392
Batch 75/248, train_loss: 0.1159, step time: 1.3615
Batch 76/248, train_loss: 0.7301, step time: 1.3572
Batch 77/248, train_loss: 0.7421, step time: 1.3409
Batch 78/248, train_loss: 0.0931, step time: 1.3323
Batch 79/248, train_loss: 0.1452, step time: 1.3693

Batch 80/248, train_loss: 0.2002, step time: 1.3419
Batch 81/248, train_loss: 0.1914, step time: 1.3619
Batch 82/248, train_loss: 0.0809, step time: 1.3406
Batch 83/248, train_loss: 0.5260, step time: 1.3688
Batch 84/248, train_loss: 0.3130, step time: 1.3567
Batch 85/248, train_loss: 0.4115, step time: 1.3730
Batch 86/248, train_loss: 0.2537, step time: 1.3437
Batch 87/248, train_loss: 0.7516, step time: 1.3693
Batch 88/248, train_loss: 0.3864, step time: 1.3668
Batch 89/248, train_loss: 0.0919, step time: 1.3521
Batch 90/248, train_loss: 0.2780, step time: 1.3381
Batch 91/248, train_loss: 0.3554, step time: 1.3665
Batch 92/248, train_loss: 0.8688, step time: 1.3686
Batch 93/248, train_loss: 0.1418, step time: 1.3315
Batch 94/248, train_loss: 0.2415, step time: 1.3595
Batch 95/248, train_loss: 0.1629, step time: 1.3321
Batch 96/248, train_loss: 0.1573, step time: 1.3435
Batch 97/248, train_loss: 0.6297, step time: 1.3572
Batch 98/248, train_loss: 0.1095, step time: 1.3653
Batch 99/248, train_loss: 0.2620, step time: 1.3774
Batch 100/248, train_loss: 0.2900, step time: 1.3684
Batch 101/248, train_loss: 0.0490, step time: 1.3278
Batch 102/248, train_loss: 0.1521, step time: 1.3672
Batch 103/248, train_loss: 0.3768, step time: 1.3643
Batch 104/248, train_loss: 0.2911, step time: 1.3403
Batch 105/248, train_loss: 0.0947, step time: 1.3571
Batch 106/248, train_loss: 0.1195, step time: 1.3458
Batch 107/248, train_loss: 0.8411, step time: 1.3588
Batch 108/248, train_loss: 0.7295, step time: 1.3708
Batch 109/248, train_loss: 0.9973, step time: 1.3365
Batch 110/248, train_loss: 0.3926, step time: 1.3706
Batch 111/248, train_loss: 0.0918, step time: 1.3623
Batch 112/248, train_loss: 0.1554, step time: 1.3548
Batch 113/248, train_loss: 0.7931, step time: 1.3506
Batch 114/248, train_loss: 0.1379, step time: 1.3511
Batch 115/248, train_loss: 0.1500, step time: 1.3663
Batch 116/248, train_loss: 0.0678, step time: 1.3483
Batch 117/248, train_loss: 0.6948, step time: 1.3672
Batch 118/248, train_loss: 0.3317, step time: 1.3659
Batch 119/248, train_loss: 0.3667, step time: 1.3676
Batch 120/248, train_loss: 0.2312, step time: 1.3658
Batch 121/248, train_loss: 0.3051, step time: 1.3507
Batch 122/248, train_loss: 0.4540, step time: 1.3510
Batch 123/248, train_loss: 0.0570, step time: 1.3648
Batch 124/248, train_loss: 0.2653, step time: 1.3566
Batch 125/248, train_loss: 0.4820, step time: 1.3376
Batch 126/248, train_loss: 0.4124, step time: 1.3495
Batch 127/248, train_loss: 0.1119, step time: 1.3359
Batch 128/248, train_loss: 0.1294, step time: 1.3488
Batch 129/248, train_loss: 0.0846, step time: 1.3289
Batch 130/248, train_loss: 0.0999, step time: 1.3303
Batch 131/248, train_loss: 0.5783, step time: 1.3612
Batch 132/248, train_loss: 0.2084, step time: 1.3679
Batch 133/248, train_loss: 0.1073, step time: 1.3747
Batch 134/248, train_loss: 0.9275, step time: 1.3605
Batch 135/248, train_loss: 0.2177, step time: 1.3517
Batch 136/248, train_loss: 0.1253, step time: 1.3340
Batch 137/248, train_loss: 0.1087, step time: 1.3487
Batch 138/248, train_loss: 0.0629, step time: 1.3257
Batch 139/248, train_loss: 0.1560, step time: 1.3475
Batch 140/248, train_loss: 0.1477, step time: 1.3571
Batch 141/248, train_loss: 0.1538, step time: 1.3320
Batch 142/248, train_loss: 0.6385, step time: 1.3526
Batch 143/248, train_loss: 0.2418, step time: 1.3614
Batch 144/248, train_loss: 0.1182, step time: 1.3772
Batch 145/248, train_loss: 0.0509, step time: 1.3402
Batch 146/248, train_loss: 0.5389, step time: 1.3555
Batch 147/248, train_loss: 0.0446, step time: 1.3590
Batch 148/248, train_loss: 0.7364, step time: 1.3591
Batch 149/248, train_loss: 0.1059, step time: 1.3441
Batch 150/248, train_loss: 0.5542, step time: 1.3583
Batch 151/248, train_loss: 0.2898, step time: 1.3515
Batch 152/248, train_loss: 0.0390, step time: 1.3346
Batch 153/248, train_loss: 0.1849, step time: 1.3436
Batch 154/248, train_loss: 0.5365, step time: 1.3516
Batch 155/248, train_loss: 0.1000, step time: 1.3404
Batch 156/248, train_loss: 0.2368, step time: 1.3634
Batch 157/248, train_loss: 0.3265, step time: 1.3336
Batch 158/248, train_loss: 0.8882, step time: 1.3764
Batch 159/248, train_loss: 0.3727, step time: 1.3794
Batch 160/248, train_loss: 0.1047, step time: 1.3557
Batch 161/248, train_loss: 0.0988, step time: 1.3679
Batch 162/248, train_loss: 0.0765, step time: 1.3522
Batch 163/248, train_loss: 0.1079, step time: 1.3447
Batch 164/248, train_loss: 0.3082, step time: 1.3487

Batch 165/248, train_loss: 0.5251, step time: 1.3494
Batch 166/248, train_loss: 0.1230, step time: 1.3514
Batch 167/248, train_loss: 0.1577, step time: 1.3468
Batch 168/248, train_loss: 0.1471, step time: 1.3333
Batch 169/248, train_loss: 0.1137, step time: 1.3626
Batch 170/248, train_loss: 0.5863, step time: 1.3718
Batch 171/248, train_loss: 0.0946, step time: 1.3790
Batch 172/248, train_loss: 0.3930, step time: 1.3726
Batch 173/248, train_loss: 0.0707, step time: 1.3576
Batch 174/248, train_loss: 0.8191, step time: 1.3516
Batch 175/248, train_loss: 0.2321, step time: 1.3618
Batch 176/248, train_loss: 0.3754, step time: 1.3769
Batch 177/248, train_loss: 0.2706, step time: 1.3644
Batch 178/248, train_loss: 0.4140, step time: 1.3622
Batch 179/248, train_loss: 0.0729, step time: 1.3510
Batch 180/248, train_loss: 0.3556, step time: 1.3883
Batch 181/248, train_loss: 0.0894, step time: 1.3681
Batch 182/248, train_loss: 0.9882, step time: 1.3704
Batch 183/248, train_loss: 0.0990, step time: 1.3903
Batch 184/248, train_loss: 0.3157, step time: 1.4044
Batch 185/248, train_loss: 0.1082, step time: 1.4010
Batch 186/248, train_loss: 0.1447, step time: 1.3795
Batch 187/248, train_loss: 0.1982, step time: 1.3823
Batch 188/248, train_loss: 0.2061, step time: 1.3726
Batch 189/248, train_loss: 0.4886, step time: 1.4036
Batch 190/248, train_loss: 0.1371, step time: 1.3696
Batch 191/248, train_loss: 0.6587, step time: 1.3728
Batch 192/248, train_loss: 0.2018, step time: 1.3586
Batch 193/248, train_loss: 0.2425, step time: 1.3817
Batch 194/248, train_loss: 0.0920, step time: 1.3589
Batch 195/248, train_loss: 0.6128, step time: 1.3622
Batch 196/248, train_loss: 0.5724, step time: 1.3852
Batch 197/248, train_loss: 0.1603, step time: 1.3607
Batch 198/248, train_loss: 0.5531, step time: 1.3763
Batch 199/248, train_loss: 0.1398, step time: 1.3826
Batch 200/248, train_loss: 0.1361, step time: 1.3614
Batch 201/248, train_loss: 0.1164, step time: 1.3869
Batch 202/248, train_loss: 0.3948, step time: 1.3811
Batch 203/248, train_loss: 0.4015, step time: 1.3991
Batch 204/248, train_loss: 0.0878, step time: 1.3908
Batch 205/248, train_loss: 0.2473, step time: 1.3896
Batch 206/248, train_loss: 0.5910, step time: 1.3894
Batch 207/248, train_loss: 0.1309, step time: 1.3837
Batch 208/248, train_loss: 0.1181, step time: 1.3624
Batch 209/248, train_loss: 0.1814, step time: 1.3694
Batch 210/248, train_loss: 0.0646, step time: 1.3800
Batch 211/248, train_loss: 0.0857, step time: 1.3607
Batch 212/248, train_loss: 0.3195, step time: 1.3988
Batch 213/248, train_loss: 0.1854, step time: 1.3626
Batch 214/248, train_loss: 0.0757, step time: 1.3934
Batch 215/248, train_loss: 0.3393, step time: 1.3922
Batch 216/248, train_loss: 0.1674, step time: 1.4050
Batch 217/248, train_loss: 0.2814, step time: 1.3951
Batch 218/248, train_loss: 0.7136, step time: 1.3925
Batch 219/248, train_loss: 0.0723, step time: 1.3705
Batch 220/248, train_loss: 0.2284, step time: 1.3955
Batch 221/248, train_loss: 0.2427, step time: 1.3673
Batch 222/248, train_loss: 0.2088, step time: 1.3900
Batch 223/248, train_loss: 0.0475, step time: 1.3864
Batch 224/248, train_loss: 0.0844, step time: 1.3716
Batch 225/248, train_loss: 0.1998, step time: 1.3734
Batch 226/248, train_loss: 0.1497, step time: 1.3750
Batch 227/248, train_loss: 0.1127, step time: 1.3835
Batch 228/248, train_loss: 0.1647, step time: 1.3872
Batch 229/248, train_loss: 0.0927, step time: 1.3768
Batch 230/248, train_loss: 0.0605, step time: 1.3578
Batch 231/248, train_loss: 0.2617, step time: 1.3675
Batch 232/248, train_loss: 0.0663, step time: 1.3619
Batch 233/248, train_loss: 0.9694, step time: 1.4076
Batch 234/248, train_loss: 0.4864, step time: 1.3701
Batch 235/248, train_loss: 0.2688, step time: 1.3795
Batch 236/248, train_loss: 0.7603, step time: 1.3620
Batch 237/248, train_loss: 0.1327, step time: 1.3684
Batch 238/248, train_loss: 0.1111, step time: 1.3678
Batch 239/248, train_loss: 0.0614, step time: 1.3829
Batch 240/248, train_loss: 0.3042, step time: 1.3604
Batch 241/248, train_loss: 0.6889, step time: 1.3679
Batch 242/248, train_loss: 0.1765, step time: 1.3927
Batch 243/248, train_loss: 0.4198, step time: 1.3671
Batch 244/248, train_loss: 0.4621, step time: 1.3775
Batch 245/248, train_loss: 0.0765, step time: 1.3751
Batch 246/248, train_loss: 0.6065, step time: 1.3890
Batch 247/248, train_loss: 0.0720, step time: 1.3829
Batch 248/248, train_loss: 0.9997, step time: 1.3557

Labels

TC



WT



ET



Predictions



VAL

```
Batch 1/31, val_loss: 0.8340
Batch 2/31, val_loss: 0.9883
Batch 3/31, val_loss: 0.9615
Batch 4/31, val_loss: 0.9427
Batch 5/31, val_loss: 0.9919
Batch 6/31, val_loss: 0.6917
Batch 7/31, val_loss: 0.8500
Batch 8/31, val_loss: 0.9520
Batch 9/31, val_loss: 0.6916
Batch 10/31, val_loss: 0.9153
Batch 11/31, val_loss: 0.8175
Batch 12/31, val_loss: 0.9714
Batch 13/31, val_loss: 0.9981
Batch 14/31, val_loss: 0.9349
Batch 15/31, val_loss: 0.9853
Batch 16/31, val_loss: 0.9719
Batch 17/31, val_loss: 0.9641
Batch 18/31, val_loss: 0.9412
Batch 19/31, val_loss: 0.7435
Batch 20/31, val_loss: 0.8607
Batch 21/31, val_loss: 0.8784
Batch 22/31, val_loss: 0.9698
Batch 23/31, val_loss: 0.9706
Batch 24/31, val_loss: 0.7475
Batch 25/31, val_loss: 0.7985
Batch 26/31, val_loss: 0.9265
Batch 27/31, val_loss: 0.9760
Batch 28/31, val_loss: 0.7471
Batch 29/31, val_loss: 0.9830
Batch 30/31, val_loss: 0.9663
Batch 31/31, val_loss: 0.9732
```

Labels

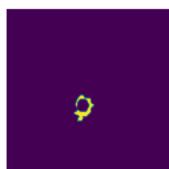
TC



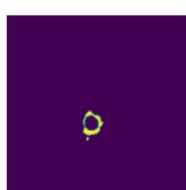
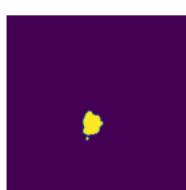
WT



ET



Predictions



epoch 57

```
average train loss: 0.2985
average validation loss: 0.9014
saved as best model: True
current mean dice: 0.6100
current TC dice: 0.6446
current WT dice: 0.6534
```

current ET dice: 0.5664
Best Mean Metric: 0.6100
time consuming of epoch 57 is: 1678.1694

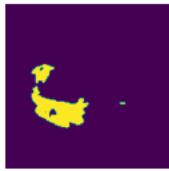
epoch 58/100
TRAIN
Batch 1/248, train_loss: 0.0686, step time: 1.4446
Batch 2/248, train_loss: 0.6977, step time: 1.3910
Batch 3/248, train_loss: 0.3895, step time: 1.3817
Batch 4/248, train_loss: 0.9716, step time: 1.3710
Batch 5/248, train_loss: 0.2394, step time: 1.3625
Batch 6/248, train_loss: 0.3042, step time: 1.3694
Batch 7/248, train_loss: 0.0588, step time: 1.3901
Batch 8/248, train_loss: 0.7120, step time: 1.4020
Batch 9/248, train_loss: 0.0386, step time: 1.3747
Batch 10/248, train_loss: 0.2184, step time: 1.3933
Batch 11/248, train_loss: 0.1711, step time: 1.3855
Batch 12/248, train_loss: 0.3392, step time: 1.4065
Batch 13/248, train_loss: 0.3001, step time: 1.3750
Batch 14/248, train_loss: 0.0480, step time: 1.3659
Batch 15/248, train_loss: 0.3269, step time: 1.3797
Batch 16/248, train_loss: 0.1456, step time: 1.3639
Batch 17/248, train_loss: 0.2695, step time: 1.4043
Batch 18/248, train_loss: 0.2556, step time: 1.3878
Batch 19/248, train_loss: 0.1282, step time: 1.3972
Batch 20/248, train_loss: 0.1787, step time: 1.3681
Batch 21/248, train_loss: 0.0446, step time: 1.3769
Batch 22/248, train_loss: 0.9911, step time: 1.3546
Batch 23/248, train_loss: 0.3913, step time: 1.3710
Batch 24/248, train_loss: 0.0829, step time: 1.3566
Batch 25/248, train_loss: 0.0529, step time: 1.3670
Batch 26/248, train_loss: 0.3982, step time: 1.4067
Batch 27/248, train_loss: 0.0649, step time: 1.3568
Batch 28/248, train_loss: 0.1913, step time: 1.3696
Batch 29/248, train_loss: 0.3574, step time: 1.4020
Batch 30/248, train_loss: 0.4699, step time: 1.3721
Batch 31/248, train_loss: 0.3688, step time: 1.3775
Batch 32/248, train_loss: 0.0783, step time: 1.3772
Batch 33/248, train_loss: 0.0754, step time: 1.3656
Batch 34/248, train_loss: 0.0413, step time: 1.3802
Batch 35/248, train_loss: 0.0506, step time: 1.3723
Batch 36/248, train_loss: 0.5280, step time: 1.3718
Batch 37/248, train_loss: 0.1426, step time: 1.3668
Batch 38/248, train_loss: 0.2955, step time: 1.3633
Batch 39/248, train_loss: 0.1723, step time: 1.3508
Batch 40/248, train_loss: 0.6643, step time: 1.3710
Batch 41/248, train_loss: 0.2202, step time: 1.3757
Batch 42/248, train_loss: 0.0680, step time: 1.3552
Batch 43/248, train_loss: 0.1153, step time: 1.3800
Batch 44/248, train_loss: 0.1248, step time: 1.3583
Batch 45/248, train_loss: 0.6293, step time: 1.3886
Batch 46/248, train_loss: 0.1607, step time: 1.3740
Batch 47/248, train_loss: 0.0738, step time: 1.3531
Batch 48/248, train_loss: 0.2241, step time: 1.3694
Batch 49/248, train_loss: 0.3922, step time: 1.3773
Batch 50/248, train_loss: 0.1267, step time: 1.3763
Batch 51/248, train_loss: 0.1548, step time: 1.4070
Batch 52/248, train_loss: 0.1197, step time: 1.4011
Batch 53/248, train_loss: 0.3746, step time: 1.3872
Batch 54/248, train_loss: 0.2451, step time: 1.3725
Batch 55/248, train_loss: 0.2416, step time: 1.4022
Batch 56/248, train_loss: 0.1515, step time: 1.3845
Batch 57/248, train_loss: 0.2306, step time: 1.3623
Batch 58/248, train_loss: 0.0793, step time: 1.3861
Batch 59/248, train_loss: 0.0808, step time: 1.3559
Batch 60/248, train_loss: 0.0742, step time: 1.3750
Batch 61/248, train_loss: 0.0774, step time: 1.3570
Batch 62/248, train_loss: 0.2175, step time: 1.3878
Batch 63/248, train_loss: 0.4164, step time: 1.3940
Batch 64/248, train_loss: 0.4388, step time: 1.3936
Batch 65/248, train_loss: 0.2162, step time: 1.3865
Batch 66/248, train_loss: 0.1249, step time: 1.3585
Batch 67/248, train_loss: 0.0816, step time: 1.3756
Batch 68/248, train_loss: 0.1738, step time: 1.4026
Batch 69/248, train_loss: 0.4398, step time: 1.3968
Batch 70/248, train_loss: 0.1659, step time: 1.3818
Batch 71/248, train_loss: 0.1301, step time: 1.3844
Batch 72/248, train_loss: 0.0716, step time: 1.3768
Batch 73/248, train_loss: 0.1098, step time: 1.3739
Batch 74/248, train_loss: 0.9955, step time: 1.3815
Batch 75/248, train_loss: 0.1049, step time: 1.3797
Batch 76/248, train_loss: 0.5308, step time: 1.4072
Batch 77/248, train_loss: 0.7817, step time: 1.4004
Batch 78/248, train_loss: 0.1134, step time: 1.3955
Batch 79/248, train_loss: 0.1431, step time: 1.3873

Batch 80/248, train_loss: 0.1932, step time: 1.3751
Batch 81/248, train_loss: 0.1471, step time: 1.3795
Batch 82/248, train_loss: 0.0923, step time: 1.3633
Batch 83/248, train_loss: 0.4988, step time: 1.3670
Batch 84/248, train_loss: 0.2148, step time: 1.3836
Batch 85/248, train_loss: 0.3223, step time: 1.3895
Batch 86/248, train_loss: 0.1883, step time: 1.3723
Batch 87/248, train_loss: 0.8402, step time: 1.3916
Batch 88/248, train_loss: 0.3557, step time: 1.3671
Batch 89/248, train_loss: 0.0659, step time: 1.3855
Batch 90/248, train_loss: 0.6898, step time: 1.3621
Batch 91/248, train_loss: 0.3179, step time: 1.3743
Batch 92/248, train_loss: 0.7728, step time: 1.3725
Batch 93/248, train_loss: 0.1400, step time: 1.3805
Batch 94/248, train_loss: 0.2410, step time: 1.3829
Batch 95/248, train_loss: 0.1624, step time: 1.3768
Batch 96/248, train_loss: 0.1298, step time: 1.3670
Batch 97/248, train_loss: 0.5717, step time: 1.4090
Batch 98/248, train_loss: 0.1068, step time: 1.3945
Batch 99/248, train_loss: 0.2988, step time: 1.3769
Batch 100/248, train_loss: 0.2869, step time: 1.4051
Batch 101/248, train_loss: 0.0470, step time: 1.3659
Batch 102/248, train_loss: 0.1099, step time: 1.3599
Batch 103/248, train_loss: 0.3514, step time: 1.3841
Batch 104/248, train_loss: 0.2642, step time: 1.3865
Batch 105/248, train_loss: 0.0803, step time: 1.3674
Batch 106/248, train_loss: 0.1210, step time: 1.3809
Batch 107/248, train_loss: 0.2444, step time: 1.3737
Batch 108/248, train_loss: 0.6155, step time: 1.3831
Batch 109/248, train_loss: 0.9953, step time: 1.3752
Batch 110/248, train_loss: 0.7059, step time: 1.3860
Batch 111/248, train_loss: 0.0980, step time: 1.3653
Batch 112/248, train_loss: 0.2121, step time: 1.3872
Batch 113/248, train_loss: 0.5855, step time: 1.3938
Batch 114/248, train_loss: 0.1450, step time: 1.3737
Batch 115/248, train_loss: 0.1294, step time: 1.3795
Batch 116/248, train_loss: 0.0755, step time: 1.3847
Batch 117/248, train_loss: 0.7227, step time: 1.3890
Batch 118/248, train_loss: 0.3412, step time: 1.3797
Batch 119/248, train_loss: 0.3105, step time: 1.3568
Batch 120/248, train_loss: 0.1998, step time: 1.3608
Batch 121/248, train_loss: 0.2770, step time: 1.3798
Batch 122/248, train_loss: 0.4216, step time: 1.3940
Batch 123/248, train_loss: 0.0682, step time: 1.3970
Batch 124/248, train_loss: 0.2843, step time: 1.3736
Batch 125/248, train_loss: 0.7001, step time: 1.3964
Batch 126/248, train_loss: 0.2008, step time: 1.3920
Batch 127/248, train_loss: 0.1646, step time: 1.4034
Batch 128/248, train_loss: 0.1212, step time: 1.3813
Batch 129/248, train_loss: 0.1183, step time: 1.3881
Batch 130/248, train_loss: 0.1108, step time: 1.3624
Batch 131/248, train_loss: 0.4441, step time: 1.3814
Batch 132/248, train_loss: 0.2652, step time: 1.4000
Batch 133/248, train_loss: 0.4275, step time: 1.3805
Batch 134/248, train_loss: 0.8840, step time: 1.3834
Batch 135/248, train_loss: 0.3394, step time: 1.4048
Batch 136/248, train_loss: 0.1547, step time: 1.3667
Batch 137/248, train_loss: 0.1352, step time: 1.3606
Batch 138/248, train_loss: 0.0710, step time: 1.3717
Batch 139/248, train_loss: 0.2058, step time: 1.3761
Batch 140/248, train_loss: 0.2164, step time: 1.4028
Batch 141/248, train_loss: 0.1422, step time: 1.3860
Batch 142/248, train_loss: 0.7109, step time: 1.3733
Batch 143/248, train_loss: 0.2770, step time: 1.3656
Batch 144/248, train_loss: 0.1380, step time: 1.3902
Batch 145/248, train_loss: 0.0641, step time: 1.3649
Batch 146/248, train_loss: 0.3945, step time: 1.3867
Batch 147/248, train_loss: 0.0475, step time: 1.3738
Batch 148/248, train_loss: 0.9040, step time: 1.3832
Batch 149/248, train_loss: 0.1629, step time: 1.3663
Batch 150/248, train_loss: 0.5570, step time: 1.3864
Batch 151/248, train_loss: 0.6959, step time: 1.3750
Batch 152/248, train_loss: 0.0472, step time: 1.3550
Batch 153/248, train_loss: 0.3675, step time: 1.3677
Batch 154/248, train_loss: 0.6048, step time: 1.3731
Batch 155/248, train_loss: 0.1093, step time: 1.3944
Batch 156/248, train_loss: 0.1767, step time: 1.3617
Batch 157/248, train_loss: 0.2929, step time: 1.3833
Batch 158/248, train_loss: 0.8718, step time: 1.3703
Batch 159/248, train_loss: 0.4999, step time: 1.3691
Batch 160/248, train_loss: 0.0833, step time: 1.3668
Batch 161/248, train_loss: 0.1417, step time: 1.3732
Batch 162/248, train_loss: 0.1024, step time: 1.3732
Batch 163/248, train_loss: 0.1229, step time: 1.3709
Batch 164/248, train_loss: 0.2229, step time: 1.3667

Batch 104/248, train_loss: 0.5559, step time: 1.3500
Batch 165/248, train_loss: 0.4548, step time: 1.4073
Batch 166/248, train_loss: 0.1445, step time: 1.3868
Batch 167/248, train_loss: 0.1725, step time: 1.3916
Batch 168/248, train_loss: 0.1730, step time: 1.3594
Batch 169/248, train_loss: 0.0763, step time: 1.3752
Batch 170/248, train_loss: 0.5546, step time: 1.3949
Batch 171/248, train_loss: 0.0863, step time: 1.3670
Batch 172/248, train_loss: 0.8638, step time: 1.4089
Batch 173/248, train_loss: 0.0653, step time: 1.3871
Batch 174/248, train_loss: 0.8837, step time: 1.3719
Batch 175/248, train_loss: 0.1541, step time: 1.3671
Batch 176/248, train_loss: 0.3817, step time: 1.3767
Batch 177/248, train_loss: 0.4050, step time: 1.3871
Batch 178/248, train_loss: 0.2889, step time: 1.3764
Batch 179/248, train_loss: 0.0710, step time: 1.3568
Batch 180/248, train_loss: 0.4620, step time: 1.3959
Batch 181/248, train_loss: 0.0851, step time: 1.3559
Batch 182/248, train_loss: 0.9017, step time: 1.3643
Batch 183/248, train_loss: 0.1383, step time: 1.3821
Batch 184/248, train_loss: 0.2892, step time: 1.3820
Batch 185/248, train_loss: 0.0829, step time: 1.3843
Batch 186/248, train_loss: 0.0830, step time: 1.3615
Batch 187/248, train_loss: 0.1462, step time: 1.3656
Batch 188/248, train_loss: 0.2060, step time: 1.3656
Batch 189/248, train_loss: 0.5574, step time: 1.3879
Batch 190/248, train_loss: 0.1477, step time: 1.3802
Batch 191/248, train_loss: 0.6883, step time: 1.3966
Batch 192/248, train_loss: 0.2079, step time: 1.3800
Batch 193/248, train_loss: 0.2274, step time: 1.3527
Batch 194/248, train_loss: 0.0907, step time: 1.3738
Batch 195/248, train_loss: 0.5907, step time: 1.3764
Batch 196/248, train_loss: 0.6239, step time: 1.4081
Batch 197/248, train_loss: 0.1970, step time: 1.3815
Batch 198/248, train_loss: 0.7662, step time: 1.3997
Batch 199/248, train_loss: 0.1340, step time: 1.3949
Batch 200/248, train_loss: 0.1092, step time: 1.3929
Batch 201/248, train_loss: 0.1145, step time: 1.3796
Batch 202/248, train_loss: 0.6921, step time: 1.3837
Batch 203/248, train_loss: 0.3655, step time: 1.3767
Batch 204/248, train_loss: 0.0835, step time: 1.3530
Batch 205/248, train_loss: 0.2665, step time: 1.3629
Batch 206/248, train_loss: 0.7911, step time: 1.4016
Batch 207/248, train_loss: 0.0860, step time: 1.3843
Batch 208/248, train_loss: 0.1040, step time: 1.3753
Batch 209/248, train_loss: 0.1403, step time: 1.3940
Batch 210/248, train_loss: 0.0596, step time: 1.3583
Batch 211/248, train_loss: 0.0833, step time: 1.3861
Batch 212/248, train_loss: 0.2287, step time: 1.3655
Batch 213/248, train_loss: 0.1815, step time: 1.3890
Batch 214/248, train_loss: 0.0911, step time: 1.3798
Batch 215/248, train_loss: 0.3604, step time: 1.4053
Batch 216/248, train_loss: 0.1816, step time: 1.4064
Batch 217/248, train_loss: 0.2873, step time: 1.3784
Batch 218/248, train_loss: 0.8186, step time: 1.3672
Batch 219/248, train_loss: 0.0822, step time: 1.3740
Batch 220/248, train_loss: 0.2151, step time: 1.3928
Batch 221/248, train_loss: 0.2750, step time: 1.3601
Batch 222/248, train_loss: 0.1685, step time: 1.3799
Batch 223/248, train_loss: 0.0441, step time: 1.3497
Batch 224/248, train_loss: 0.1219, step time: 1.3710
Batch 225/248, train_loss: 0.3543, step time: 1.3640
Batch 226/248, train_loss: 0.2687, step time: 1.3945
Batch 227/248, train_loss: 0.1121, step time: 1.3879
Batch 228/248, train_loss: 0.1712, step time: 1.3935
Batch 229/248, train_loss: 0.0872, step time: 1.3773
Batch 230/248, train_loss: 0.0683, step time: 1.3684
Batch 231/248, train_loss: 0.9052, step time: 1.3898
Batch 232/248, train_loss: 0.0778, step time: 1.3966
Batch 233/248, train_loss: 0.9614, step time: 1.3535
Batch 234/248, train_loss: 0.5164, step time: 1.3727
Batch 235/248, train_loss: 0.2155, step time: 1.3673
Batch 236/248, train_loss: 0.7454, step time: 1.3715
Batch 237/248, train_loss: 0.1210, step time: 1.3867
Batch 238/248, train_loss: 0.0940, step time: 1.3568
Batch 239/248, train_loss: 0.0539, step time: 1.3836
Batch 240/248, train_loss: 0.4049, step time: 1.3752
Batch 241/248, train_loss: 0.8934, step time: 1.3760
Batch 242/248, train_loss: 0.1452, step time: 1.3856
Batch 243/248, train_loss: 0.5624, step time: 1.3698
Batch 244/248, train_loss: 0.3569, step time: 1.3826
Batch 245/248, train_loss: 0.0715, step time: 1.3701
Batch 246/248, train_loss: 0.5369, step time: 1.3762
Batch 247/248, train_loss: 0.0872, step time: 1.3711
Batch 248/248, train_loss: 0.9997, step time: 1.3551

Labels

TC



WT



ET



Predictions



VAL

```
Batch 1/31, val_loss: 0.8356
Batch 2/31, val_loss: 0.9907
Batch 3/31, val_loss: 0.9672
Batch 4/31, val_loss: 0.9459
Batch 5/31, val_loss: 0.9914
Batch 6/31, val_loss: 0.7022
Batch 7/31, val_loss: 0.8509
Batch 8/31, val_loss: 0.9511
Batch 9/31, val_loss: 0.6932
Batch 10/31, val_loss: 0.9115
Batch 11/31, val_loss: 0.8181
Batch 12/31, val_loss: 0.9763
Batch 13/31, val_loss: 0.9962
Batch 14/31, val_loss: 0.9479
Batch 15/31, val_loss: 0.9857
Batch 16/31, val_loss: 0.9704
Batch 17/31, val_loss: 0.9666
Batch 18/31, val_loss: 0.9443
Batch 19/31, val_loss: 0.7450
Batch 20/31, val_loss: 0.8687
Batch 21/31, val_loss: 0.8807
Batch 22/31, val_loss: 0.9634
Batch 23/31, val_loss: 0.9719
Batch 24/31, val_loss: 0.7430
Batch 25/31, val_loss: 0.7986
Batch 26/31, val_loss: 0.9230
Batch 27/31, val_loss: 0.9751
Batch 28/31, val_loss: 0.7436
Batch 29/31, val_loss: 0.9824
Batch 30/31, val_loss: 0.9641
Batch 31/31, val_loss: 0.9736
```

Labels

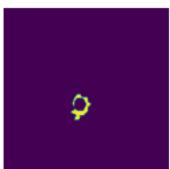
TC



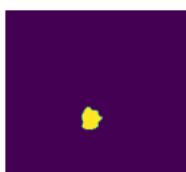
WT



ET



Predictions



epoch 58

```
average train loss: 0.2950
average validation loss: 0.9025
saved as best model: False
current mean dice: 0.5978
current TC dice: 0.6357
current WT dice: 0.6410
```

```
-----  
current ET dice: 0.5517  
Best Mean Metric: 0.6100  
time consuming of epoch 58 is: 1689.7051  
-----  
epoch 59/100  
TRAIN  
Batch 1/248, train_loss: 0.0839, step time: 1.4349  
Batch 2/248, train_loss: 0.6896, step time: 1.3712  
Batch 3/248, train_loss: 0.4499, step time: 1.3949  
Batch 4/248, train_loss: 0.9573, step time: 1.3645  
Batch 5/248, train_loss: 0.2273, step time: 1.3634  
Batch 6/248, train_loss: 0.2216, step time: 1.3642  
Batch 7/248, train_loss: 0.0819, step time: 1.3949  
Batch 8/248, train_loss: 0.6779, step time: 1.3886  
Batch 9/248, train_loss: 0.0410, step time: 1.3676  
Batch 10/248, train_loss: 0.2315, step time: 1.3740  
Batch 11/248, train_loss: 0.1931, step time: 1.3764  
Batch 12/248, train_loss: 0.3595, step time: 1.3712  
Batch 13/248, train_loss: 0.3220, step time: 1.3682  
Batch 14/248, train_loss: 0.0470, step time: 1.3598  
Batch 15/248, train_loss: 0.3285, step time: 1.3736  
Batch 16/248, train_loss: 0.1248, step time: 1.3803  
Batch 17/248, train_loss: 0.2564, step time: 1.3950  
Batch 18/248, train_loss: 0.2817, step time: 1.3562  
Batch 19/248, train_loss: 0.1208, step time: 1.3698  
Batch 20/248, train_loss: 0.1187, step time: 1.3910  
Batch 21/248, train_loss: 0.0494, step time: 1.3968  
Batch 22/248, train_loss: 0.5513, step time: 1.3734  
Batch 23/248, train_loss: 0.5022, step time: 1.3924  
Batch 24/248, train_loss: 0.0878, step time: 1.3816  
Batch 25/248, train_loss: 0.0734, step time: 1.3690  
Batch 26/248, train_loss: 0.3484, step time: 1.3749  
Batch 27/248, train_loss: 0.0669, step time: 1.3828  
Batch 28/248, train_loss: 0.1541, step time: 1.3800  
Batch 29/248, train_loss: 0.4005, step time: 1.3833  
Batch 30/248, train_loss: 0.2493, step time: 1.3934  
Batch 31/248, train_loss: 0.3992, step time: 1.4006  
Batch 32/248, train_loss: 0.0729, step time: 1.3843  
Batch 33/248, train_loss: 0.0671, step time: 1.3480  
Batch 34/248, train_loss: 0.0429, step time: 1.3648  
Batch 35/248, train_loss: 0.0564, step time: 1.3909  
Batch 36/248, train_loss: 0.4321, step time: 1.4006  
Batch 37/248, train_loss: 0.1418, step time: 1.3905  
Batch 38/248, train_loss: 0.2913, step time: 1.3690  
Batch 39/248, train_loss: 0.4554, step time: 1.3718  
Batch 40/248, train_loss: 0.7282, step time: 1.3954  
Batch 41/248, train_loss: 0.1680, step time: 1.3619  
Batch 42/248, train_loss: 0.0609, step time: 1.3910  
Batch 43/248, train_loss: 0.0852, step time: 1.3942  
Batch 44/248, train_loss: 0.1136, step time: 1.3648  
Batch 45/248, train_loss: 0.6236, step time: 1.3768  
Batch 46/248, train_loss: 0.1748, step time: 1.3930  
Batch 47/248, train_loss: 0.0646, step time: 1.3737  
Batch 48/248, train_loss: 0.1707, step time: 1.3678  
Batch 49/248, train_loss: 0.4188, step time: 1.3816  
Batch 50/248, train_loss: 0.1503, step time: 1.3591  
Batch 51/248, train_loss: 0.1468, step time: 1.3644  
Batch 52/248, train_loss: 0.1059, step time: 1.3590  
Batch 53/248, train_loss: 0.3690, step time: 1.3786  
Batch 54/248, train_loss: 0.2325, step time: 1.3618  
Batch 55/248, train_loss: 0.2250, step time: 1.3859  
Batch 56/248, train_loss: 0.1642, step time: 1.3921  
Batch 57/248, train_loss: 0.3060, step time: 1.3704  
Batch 58/248, train_loss: 0.0687, step time: 1.3640  
Batch 59/248, train_loss: 0.0790, step time: 1.3638  
Batch 60/248, train_loss: 0.0704, step time: 1.3687  
Batch 61/248, train_loss: 0.0760, step time: 1.3799  
Batch 62/248, train_loss: 0.2330, step time: 1.3834  
Batch 63/248, train_loss: 0.4407, step time: 1.3670  
Batch 64/248, train_loss: 0.4269, step time: 1.4005  
Batch 65/248, train_loss: 0.2882, step time: 1.3657  
Batch 66/248, train_loss: 0.1131, step time: 1.3795  
Batch 67/248, train_loss: 0.0809, step time: 1.3836  
Batch 68/248, train_loss: 0.1467, step time: 1.3633  
Batch 69/248, train_loss: 0.4972, step time: 1.3766  
Batch 70/248, train_loss: 0.1581, step time: 1.3912  
Batch 71/248, train_loss: 0.1290, step time: 1.3825  
Batch 72/248, train_loss: 0.0551, step time: 1.3958  
Batch 73/248, train_loss: 0.1195, step time: 1.3781  
Batch 74/248, train_loss: 0.6577, step time: 1.3665  
Batch 75/248, train_loss: 0.1047, step time: 1.3954  
Batch 76/248, train_loss: 0.6096, step time: 1.4077  
Batch 77/248, train_loss: 0.7196, step time: 1.3652  
Batch 78/248, train_loss: 0.0816, step time: 1.3849  
Batch 79/248, train_loss: 0.2475, step time: 1.3857
```

Batch 79/248, train_loss: 0.2475, step time: 1.3951
Batch 80/248, train_loss: 0.3010, step time: 1.3704
Batch 81/248, train_loss: 0.3147, step time: 1.3986
Batch 82/248, train_loss: 0.0761, step time: 1.3830
Batch 83/248, train_loss: 0.4760, step time: 1.3891
Batch 84/248, train_loss: 0.9778, step time: 1.3767
Batch 85/248, train_loss: 0.3377, step time: 1.3761
Batch 86/248, train_loss: 0.5517, step time: 1.3664
Batch 87/248, train_loss: 0.9598, step time: 1.3798
Batch 88/248, train_loss: 0.3545, step time: 1.3699
Batch 89/248, train_loss: 0.1049, step time: 1.3726
Batch 90/248, train_loss: 0.1818, step time: 1.3931
Batch 91/248, train_loss: 0.3817, step time: 1.3917
Batch 92/248, train_loss: 0.5815, step time: 1.3995
Batch 93/248, train_loss: 0.1642, step time: 1.3811
Batch 94/248, train_loss: 0.4966, step time: 1.3816
Batch 95/248, train_loss: 0.1908, step time: 1.3631
Batch 96/248, train_loss: 0.1719, step time: 1.3752
Batch 97/248, train_loss: 0.6279, step time: 1.3731
Batch 98/248, train_loss: 0.1665, step time: 1.3873
Batch 99/248, train_loss: 0.2637, step time: 1.3913
Batch 100/248, train_loss: 0.4023, step time: 1.4000
Batch 101/248, train_loss: 0.0814, step time: 1.3611
Batch 102/248, train_loss: 0.1035, step time: 1.3951
Batch 103/248, train_loss: 0.5672, step time: 1.4005
Batch 104/248, train_loss: 0.2835, step time: 1.4022
Batch 105/248, train_loss: 0.0811, step time: 1.3918
Batch 106/248, train_loss: 0.1754, step time: 1.3927
Batch 107/248, train_loss: 0.2109, step time: 1.3952
Batch 108/248, train_loss: 0.5960, step time: 1.3687
Batch 109/248, train_loss: 0.9075, step time: 1.3756
Batch 110/248, train_loss: 0.6553, step time: 1.3672
Batch 111/248, train_loss: 0.0860, step time: 1.3938
Batch 112/248, train_loss: 0.1401, step time: 1.3773
Batch 113/248, train_loss: 0.7681, step time: 1.3718
Batch 114/248, train_loss: 0.1064, step time: 1.3892
Batch 115/248, train_loss: 0.1438, step time: 1.3639
Batch 116/248, train_loss: 0.0649, step time: 1.3955
Batch 117/248, train_loss: 0.6473, step time: 1.3915
Batch 118/248, train_loss: 0.3438, step time: 1.3729
Batch 119/248, train_loss: 0.2591, step time: 1.3876
Batch 120/248, train_loss: 0.2724, step time: 1.3921
Batch 121/248, train_loss: 0.2688, step time: 1.3795
Batch 122/248, train_loss: 0.4142, step time: 1.3925
Batch 123/248, train_loss: 0.1012, step time: 1.4012
Batch 124/248, train_loss: 0.3070, step time: 1.3800
Batch 125/248, train_loss: 0.4957, step time: 1.3811
Batch 126/248, train_loss: 0.2062, step time: 1.3826
Batch 127/248, train_loss: 0.1154, step time: 1.3620
Batch 128/248, train_loss: 0.1385, step time: 1.3966
Batch 129/248, train_loss: 0.0894, step time: 1.3642
Batch 130/248, train_loss: 0.0941, step time: 1.4013
Batch 131/248, train_loss: 0.4747, step time: 1.3646
Batch 132/248, train_loss: 0.2019, step time: 1.3806
Batch 133/248, train_loss: 0.0875, step time: 1.4017
Batch 134/248, train_loss: 0.9178, step time: 1.3944
Batch 135/248, train_loss: 0.2083, step time: 1.3687
Batch 136/248, train_loss: 0.2281, step time: 1.4028
Batch 137/248, train_loss: 0.1516, step time: 1.4037
Batch 138/248, train_loss: 0.0667, step time: 1.3925
Batch 139/248, train_loss: 0.1534, step time: 1.3838
Batch 140/248, train_loss: 0.1968, step time: 1.3935
Batch 141/248, train_loss: 0.1205, step time: 1.3604
Batch 142/248, train_loss: 0.5906, step time: 1.3763
Batch 143/248, train_loss: 0.2223, step time: 1.3701
Batch 144/248, train_loss: 0.1378, step time: 1.4014
Batch 145/248, train_loss: 0.0631, step time: 1.3616
Batch 146/248, train_loss: 0.3243, step time: 1.3905
Batch 147/248, train_loss: 0.0378, step time: 1.3676
Batch 148/248, train_loss: 0.7708, step time: 1.3645
Batch 149/248, train_loss: 0.1400, step time: 1.3968
Batch 150/248, train_loss: 0.4488, step time: 1.3929
Batch 151/248, train_loss: 0.2232, step time: 1.3727
Batch 152/248, train_loss: 0.0361, step time: 1.3503
Batch 153/248, train_loss: 0.2002, step time: 1.3801
Batch 154/248, train_loss: 0.5374, step time: 1.4088
Batch 155/248, train_loss: 0.0921, step time: 1.3917
Batch 156/248, train_loss: 0.2457, step time: 1.3907
Batch 157/248, train_loss: 0.3160, step time: 1.3968
Batch 158/248, train_loss: 0.8462, step time: 1.3893
Batch 159/248, train_loss: 0.3113, step time: 1.3968
Batch 160/248, train_loss: 0.0966, step time: 1.3750
Batch 161/248, train_loss: 0.0981, step time: 1.3772
Batch 162/248, train_loss: 0.1509, step time: 1.3689
Batch 163/248, train_loss: 0.1382, step time: 1.3968

Batch 164/248, train_loss: 0.3073, step time: 1.3717
Batch 165/248, train_loss: 0.4625, step time: 1.3854
Batch 166/248, train_loss: 0.0980, step time: 1.3953
Batch 167/248, train_loss: 0.1591, step time: 1.3801
Batch 168/248, train_loss: 0.1467, step time: 1.3748
Batch 169/248, train_loss: 0.1255, step time: 1.3783
Batch 170/248, train_loss: 0.5042, step time: 1.3819
Batch 171/248, train_loss: 0.0867, step time: 1.3826
Batch 172/248, train_loss: 0.4592, step time: 1.3861
Batch 173/248, train_loss: 0.1375, step time: 1.3678
Batch 174/248, train_loss: 0.3804, step time: 1.3658
Batch 175/248, train_loss: 0.1958, step time: 1.4047
Batch 176/248, train_loss: 0.3449, step time: 1.3952
Batch 177/248, train_loss: 0.2365, step time: 1.3777
Batch 178/248, train_loss: 0.2592, step time: 1.3875
Batch 179/248, train_loss: 0.0583, step time: 1.3685
Batch 180/248, train_loss: 0.6010, step time: 1.4035
Batch 181/248, train_loss: 0.0848, step time: 1.3945
Batch 182/248, train_loss: 0.9191, step time: 1.3803
Batch 183/248, train_loss: 0.2219, step time: 1.3664
Batch 184/248, train_loss: 0.2940, step time: 1.3904
Batch 185/248, train_loss: 0.0831, step time: 1.3867
Batch 186/248, train_loss: 0.0931, step time: 1.3808
Batch 187/248, train_loss: 0.1847, step time: 1.3950
Batch 188/248, train_loss: 0.1973, step time: 1.3711
Batch 189/248, train_loss: 0.5578, step time: 1.3630
Batch 190/248, train_loss: 0.1697, step time: 1.3792
Batch 191/248, train_loss: 0.6379, step time: 1.3799
Batch 192/248, train_loss: 0.2697, step time: 1.3696
Batch 193/248, train_loss: 0.4407, step time: 1.3740
Batch 194/248, train_loss: 0.0921, step time: 1.3598
Batch 195/248, train_loss: 0.7306, step time: 1.3972
Batch 196/248, train_loss: 0.9897, step time: 1.3837
Batch 197/248, train_loss: 0.3201, step time: 1.3921
Batch 198/248, train_loss: 0.8804, step time: 1.3705
Batch 199/248, train_loss: 0.1637, step time: 1.3790
Batch 200/248, train_loss: 0.1462, step time: 1.3863
Batch 201/248, train_loss: 0.1362, step time: 1.3880
Batch 202/248, train_loss: 0.5869, step time: 1.3946
Batch 203/248, train_loss: 0.3428, step time: 1.3672
Batch 204/248, train_loss: 0.1035, step time: 1.3905
Batch 205/248, train_loss: 0.3712, step time: 1.3794
Batch 206/248, train_loss: 0.3312, step time: 1.4008
Batch 207/248, train_loss: 0.0940, step time: 1.3743
Batch 208/248, train_loss: 0.1602, step time: 1.3788
Batch 209/248, train_loss: 0.1945, step time: 1.3898
Batch 210/248, train_loss: 0.0699, step time: 1.3866
Batch 211/248, train_loss: 0.0715, step time: 1.3700
Batch 212/248, train_loss: 0.9753, step time: 1.3617
Batch 213/248, train_loss: 0.2025, step time: 1.3681
Batch 214/248, train_loss: 0.0899, step time: 1.3771
Batch 215/248, train_loss: 0.3280, step time: 1.3781
Batch 216/248, train_loss: 0.1664, step time: 1.4045
Batch 217/248, train_loss: 0.2499, step time: 1.3856
Batch 218/248, train_loss: 0.7444, step time: 1.4014
Batch 219/248, train_loss: 0.0670, step time: 1.3779
Batch 220/248, train_loss: 0.1960, step time: 1.3850
Batch 221/248, train_loss: 0.2864, step time: 1.3883
Batch 222/248, train_loss: 0.2166, step time: 1.3631
Batch 223/248, train_loss: 0.0494, step time: 1.3671
Batch 224/248, train_loss: 0.0904, step time: 1.3915
Batch 225/248, train_loss: 0.7480, step time: 1.3904
Batch 226/248, train_loss: 0.2764, step time: 1.3908
Batch 227/248, train_loss: 0.1036, step time: 1.3502
Batch 228/248, train_loss: 0.1667, step time: 1.3622
Batch 229/248, train_loss: 0.1285, step time: 1.3881
Batch 230/248, train_loss: 0.0630, step time: 1.3567
Batch 231/248, train_loss: 0.5220, step time: 1.3787
Batch 232/248, train_loss: 0.0758, step time: 1.3537
Batch 233/248, train_loss: 0.9028, step time: 1.3946
Batch 234/248, train_loss: 0.3951, step time: 1.3624
Batch 235/248, train_loss: 0.2458, step time: 1.3723
Batch 236/248, train_loss: 0.7454, step time: 1.3787
Batch 237/248, train_loss: 0.1481, step time: 1.3807
Batch 238/248, train_loss: 0.0830, step time: 1.3812
Batch 239/248, train_loss: 0.1213, step time: 1.3853
Batch 240/248, train_loss: 0.4593, step time: 1.3914
Batch 241/248, train_loss: 0.8457, step time: 1.3848
Batch 242/248, train_loss: 0.1530, step time: 1.3705
Batch 243/248, train_loss: 0.3697, step time: 1.3700
Batch 244/248, train_loss: 0.4726, step time: 1.3868
Batch 245/248, train_loss: 0.0861, step time: 1.3965
Batch 246/248, train_loss: 0.5826, step time: 1.3845
Batch 247/248, train_loss: 0.0940, step time: 1.3740
Batch 248/248, train_loss: 0.9998, step time: 1.3481

Labels

TC



WT



ET



Predictions



VAL

```
Batch 1/31, val_loss: 0.8359
Batch 2/31, val_loss: 0.9888
Batch 3/31, val_loss: 0.9674
Batch 4/31, val_loss: 0.9437
Batch 5/31, val_loss: 0.9917
Batch 6/31, val_loss: 0.7060
Batch 7/31, val_loss: 0.8337
Batch 8/31, val_loss: 0.9457
Batch 9/31, val_loss: 0.6952
Batch 10/31, val_loss: 0.9167
Batch 11/31, val_loss: 0.8184
Batch 12/31, val_loss: 0.9672
Batch 13/31, val_loss: 0.9856
Batch 14/31, val_loss: 0.9315
Batch 15/31, val_loss: 0.9862
Batch 16/31, val_loss: 0.9745
Batch 17/31, val_loss: 0.9618
Batch 18/31, val_loss: 0.9342
Batch 19/31, val_loss: 0.7374
Batch 20/31, val_loss: 0.8628
Batch 21/31, val_loss: 0.8832
Batch 22/31, val_loss: 0.9598
Batch 23/31, val_loss: 0.9673
Batch 24/31, val_loss: 0.7494
Batch 25/31, val_loss: 0.8115
Batch 26/31, val_loss: 0.9217
Batch 27/31, val_loss: 0.9771
Batch 28/31, val_loss: 0.7460
Batch 29/31, val_loss: 0.9840
Batch 30/31, val_loss: 0.9672
Batch 31/31, val_loss: 0.9728
```

Labels

TC



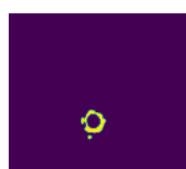
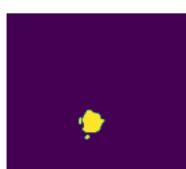
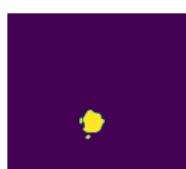
WT



ET



Predictions



epoch 59

```
average train loss: 0.2926
average validation loss: 0.9008
saved as best model: False
current mean dice: 0.5983
current TC dice: 0.6301
current WT dice: 0.5200
current ET dice: 0.5200
```

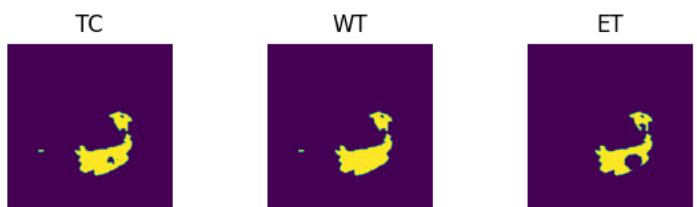
```
current WI dice: 0.6388
current ET dice: 0.5653
Best Mean Metric: 0.6100
time consuming of epoch 59 is: 1685.0033
-----
epoch 60/100
TRAIN
Batch 1/248, train_loss: 0.0964, step time: 1.4187
Batch 2/248, train_loss: 0.7422, step time: 1.3689
Batch 3/248, train_loss: 0.4436, step time: 1.3636
Batch 4/248, train_loss: 0.9614, step time: 1.3719
Batch 5/248, train_loss: 0.2154, step time: 1.4018
Batch 6/248, train_loss: 0.1912, step time: 1.3959
Batch 7/248, train_loss: 0.0630, step time: 1.3635
Batch 8/248, train_loss: 0.6094, step time: 1.3563
Batch 9/248, train_loss: 0.0390, step time: 1.3799
Batch 10/248, train_loss: 0.2352, step time: 1.3932
Batch 11/248, train_loss: 0.1729, step time: 1.3925
Batch 12/248, train_loss: 0.3268, step time: 1.3980
Batch 13/248, train_loss: 0.2886, step time: 1.3919
Batch 14/248, train_loss: 0.0514, step time: 1.3595
Batch 15/248, train_loss: 0.3548, step time: 1.3690
Batch 16/248, train_loss: 0.1579, step time: 1.3595
Batch 17/248, train_loss: 0.2411, step time: 1.3649
Batch 18/248, train_loss: 0.2858, step time: 1.3706
Batch 19/248, train_loss: 0.1852, step time: 1.3640
Batch 20/248, train_loss: 0.0923, step time: 1.3612
Batch 21/248, train_loss: 0.0489, step time: 1.3748
Batch 22/248, train_loss: 0.9497, step time: 1.3948
Batch 23/248, train_loss: 0.7278, step time: 1.3604
Batch 24/248, train_loss: 0.0905, step time: 1.3892
Batch 25/248, train_loss: 0.0711, step time: 1.3772
Batch 26/248, train_loss: 0.3680, step time: 1.4045
Batch 27/248, train_loss: 0.0637, step time: 1.3867
Batch 28/248, train_loss: 0.1691, step time: 1.4007
Batch 29/248, train_loss: 0.3571, step time: 1.3819
Batch 30/248, train_loss: 0.2132, step time: 1.3853
Batch 31/248, train_loss: 0.2614, step time: 1.3696
Batch 32/248, train_loss: 0.0630, step time: 1.3879
Batch 33/248, train_loss: 0.0970, step time: 1.3746
Batch 34/248, train_loss: 0.0514, step time: 1.3608
Batch 35/248, train_loss: 0.0680, step time: 1.3666
Batch 36/248, train_loss: 0.4272, step time: 1.3770
Batch 37/248, train_loss: 0.1525, step time: 1.3759
Batch 38/248, train_loss: 0.3120, step time: 1.3845
Batch 39/248, train_loss: 0.1752, step time: 1.3955
Batch 40/248, train_loss: 0.6743, step time: 1.3836
Batch 41/248, train_loss: 0.2318, step time: 1.3696
Batch 42/248, train_loss: 0.0772, step time: 1.3890
Batch 43/248, train_loss: 0.0540, step time: 1.3739
Batch 44/248, train_loss: 0.1335, step time: 1.3584
Batch 45/248, train_loss: 0.6681, step time: 1.3924
Batch 46/248, train_loss: 0.1382, step time: 1.3702
Batch 47/248, train_loss: 0.0768, step time: 1.3531
Batch 48/248, train_loss: 0.9288, step time: 1.3675
Batch 49/248, train_loss: 0.4520, step time: 1.3766
Batch 50/248, train_loss: 0.1267, step time: 1.3699
Batch 51/248, train_loss: 0.1574, step time: 1.4059
Batch 52/248, train_loss: 0.1142, step time: 1.3996
Batch 53/248, train_loss: 0.3768, step time: 1.3905
Batch 54/248, train_loss: 0.2524, step time: 1.3710
Batch 55/248, train_loss: 0.2122, step time: 1.3875
Batch 56/248, train_loss: 0.1679, step time: 1.3889
Batch 57/248, train_loss: 0.2644, step time: 1.3844
Batch 58/248, train_loss: 0.0652, step time: 1.3719
Batch 59/248, train_loss: 0.0966, step time: 1.3668
Batch 60/248, train_loss: 0.0907, step time: 1.3866
Batch 61/248, train_loss: 0.0871, step time: 1.3783
Batch 62/248, train_loss: 0.2733, step time: 1.3653
Batch 63/248, train_loss: 0.3963, step time: 1.3727
Batch 64/248, train_loss: 0.4501, step time: 1.3887
Batch 65/248, train_loss: 0.2244, step time: 1.3703
Batch 66/248, train_loss: 0.1550, step time: 1.4055
Batch 67/248, train_loss: 0.1207, step time: 1.3970
Batch 68/248, train_loss: 0.1495, step time: 1.3977
Batch 69/248, train_loss: 0.5035, step time: 1.4093
Batch 70/248, train_loss: 0.1746, step time: 1.3950
Batch 71/248, train_loss: 0.1432, step time: 1.3740
Batch 72/248, train_loss: 0.0776, step time: 1.3552
Batch 73/248, train_loss: 0.7132, step time: 1.3672
Batch 74/248, train_loss: 0.5451, step time: 1.4041
Batch 75/248, train_loss: 0.1084, step time: 1.3850
Batch 76/248, train_loss: 0.6862, step time: 1.4091
Batch 77/248, train_loss: 0.7866, step time: 1.3753
Batch 78/248, train_loss: 0.1427, step time: 1.4031
```

Batch 79/248, train_loss: 0.1451, step time: 1.3771
Batch 80/248, train_loss: 0.1764, step time: 1.3652
Batch 81/248, train_loss: 0.2408, step time: 1.3766
Batch 82/248, train_loss: 0.1006, step time: 1.3722
Batch 83/248, train_loss: 0.7207, step time: 1.3633
Batch 84/248, train_loss: 0.2887, step time: 1.3718
Batch 85/248, train_loss: 0.6214, step time: 1.3613
Batch 86/248, train_loss: 0.4196, step time: 1.3904
Batch 87/248, train_loss: 0.9442, step time: 1.3991
Batch 88/248, train_loss: 0.3362, step time: 1.3854
Batch 89/248, train_loss: 0.0798, step time: 1.3991
Batch 90/248, train_loss: 0.3489, step time: 1.3995
Batch 91/248, train_loss: 0.3854, step time: 1.3900
Batch 92/248, train_loss: 0.7252, step time: 1.3860
Batch 93/248, train_loss: 0.1557, step time: 1.3670
Batch 94/248, train_loss: 0.2587, step time: 1.3875
Batch 95/248, train_loss: 0.1856, step time: 1.3623
Batch 96/248, train_loss: 0.1521, step time: 1.3666
Batch 97/248, train_loss: 0.5516, step time: 1.3903
Batch 98/248, train_loss: 0.1360, step time: 1.3607
Batch 99/248, train_loss: 0.3869, step time: 1.3754
Batch 100/248, train_loss: 0.2382, step time: 1.3643
Batch 101/248, train_loss: 0.0494, step time: 1.3693
Batch 102/248, train_loss: 0.1219, step time: 1.3793
Batch 103/248, train_loss: 0.2884, step time: 1.3985
Batch 104/248, train_loss: 0.2582, step time: 1.3886
Batch 105/248, train_loss: 0.0930, step time: 1.3570
Batch 106/248, train_loss: 0.1186, step time: 1.3910
Batch 107/248, train_loss: 0.7683, step time: 1.3798
Batch 108/248, train_loss: 0.6188, step time: 1.3780
Batch 109/248, train_loss: 0.8481, step time: 1.3747
Batch 110/248, train_loss: 0.3856, step time: 1.3677
Batch 111/248, train_loss: 0.1933, step time: 1.3919
Batch 112/248, train_loss: 0.2578, step time: 1.3778
Batch 113/248, train_loss: 0.8098, step time: 1.3826
Batch 114/248, train_loss: 0.1589, step time: 1.3666
Batch 115/248, train_loss: 0.1591, step time: 1.3896
Batch 116/248, train_loss: 0.0994, step time: 1.3899
Batch 117/248, train_loss: 0.6469, step time: 1.3697
Batch 118/248, train_loss: 0.4556, step time: 1.3682
Batch 119/248, train_loss: 0.2601, step time: 1.3705
Batch 120/248, train_loss: 0.2043, step time: 1.3984
Batch 121/248, train_loss: 0.2994, step time: 1.3958
Batch 122/248, train_loss: 0.4312, step time: 1.3634
Batch 123/248, train_loss: 0.0862, step time: 1.3722
Batch 124/248, train_loss: 0.2698, step time: 1.3816
Batch 125/248, train_loss: 0.4894, step time: 1.3720
Batch 126/248, train_loss: 0.2878, step time: 1.3896
Batch 127/248, train_loss: 0.1058, step time: 1.3887
Batch 128/248, train_loss: 0.3491, step time: 1.3640
Batch 129/248, train_loss: 0.0892, step time: 1.3629
Batch 130/248, train_loss: 0.0982, step time: 1.3820
Batch 131/248, train_loss: 0.4086, step time: 1.3930
Batch 132/248, train_loss: 0.2421, step time: 1.3819
Batch 133/248, train_loss: 0.1118, step time: 1.3967
Batch 134/248, train_loss: 0.9226, step time: 1.3817
Batch 135/248, train_loss: 0.2439, step time: 1.3863
Batch 136/248, train_loss: 0.0960, step time: 1.3903
Batch 137/248, train_loss: 0.1415, step time: 1.3833
Batch 138/248, train_loss: 0.0740, step time: 1.3696
Batch 139/248, train_loss: 0.1502, step time: 1.3558
Batch 140/248, train_loss: 0.1712, step time: 1.3885
Batch 141/248, train_loss: 0.2043, step time: 1.3710
Batch 142/248, train_loss: 0.6328, step time: 1.3920
Batch 143/248, train_loss: 0.2141, step time: 1.3699
Batch 144/248, train_loss: 0.1477, step time: 1.3601
Batch 145/248, train_loss: 0.0601, step time: 1.3784
Batch 146/248, train_loss: 0.3030, step time: 1.3955
Batch 147/248, train_loss: 0.0491, step time: 1.3693
Batch 148/248, train_loss: 0.5592, step time: 1.3763
Batch 149/248, train_loss: 0.1350, step time: 1.3781
Batch 150/248, train_loss: 0.5694, step time: 1.3649
Batch 151/248, train_loss: 0.2284, step time: 1.3777
Batch 152/248, train_loss: 0.0493, step time: 1.3651
Batch 153/248, train_loss: 0.2269, step time: 1.3660
Batch 154/248, train_loss: 0.5158, step time: 1.3774
Batch 155/248, train_loss: 0.0970, step time: 1.3863
Batch 156/248, train_loss: 0.1577, step time: 1.3752
Batch 157/248, train_loss: 0.3186, step time: 1.3662
Batch 158/248, train_loss: 0.8792, step time: 1.3928
Batch 159/248, train_loss: 0.4021, step time: 1.3583
Batch 160/248, train_loss: 0.0955, step time: 1.3729
Batch 161/248, train_loss: 0.1266, step time: 1.3864
Batch 162/248, train_loss: 0.0751, step time: 1.3694
Batch 163/248, train_loss: 0.1284, step time: 1.3964

Batch 164/248, train_loss: 0.2861, step time: 1.3743
Batch 165/248, train_loss: 0.7764, step time: 1.3785
Batch 166/248, train_loss: 0.1029, step time: 1.3628
Batch 167/248, train_loss: 0.1648, step time: 1.3872
Batch 168/248, train_loss: 0.1543, step time: 1.3642
Batch 169/248, train_loss: 0.0979, step time: 1.3849
Batch 170/248, train_loss: 0.5253, step time: 1.3925
Batch 171/248, train_loss: 0.0765, step time: 1.3685
Batch 172/248, train_loss: 0.5470, step time: 1.3738
Batch 173/248, train_loss: 0.0791, step time: 1.3888
Batch 174/248, train_loss: 0.6415, step time: 1.3905
Batch 175/248, train_loss: 0.1220, step time: 1.3976
Batch 176/248, train_loss: 0.4018, step time: 1.4016
Batch 177/248, train_loss: 0.3621, step time: 1.3701
Batch 178/248, train_loss: 0.7647, step time: 1.4007
Batch 179/248, train_loss: 0.0638, step time: 1.3841
Batch 180/248, train_loss: 0.3553, step time: 1.3913
Batch 181/248, train_loss: 0.0827, step time: 1.3645
Batch 182/248, train_loss: 0.9067, step time: 1.3890
Batch 183/248, train_loss: 0.1127, step time: 1.3601
Batch 184/248, train_loss: 0.2333, step time: 1.3910
Batch 185/248, train_loss: 0.0907, step time: 1.3801
Batch 186/248, train_loss: 0.0741, step time: 1.3862
Batch 187/248, train_loss: 0.2077, step time: 1.3952
Batch 188/248, train_loss: 0.2439, step time: 1.3925
Batch 189/248, train_loss: 0.4961, step time: 1.3590
Batch 190/248, train_loss: 0.1298, step time: 1.3755
Batch 191/248, train_loss: 0.6658, step time: 1.3693
Batch 192/248, train_loss: 0.2541, step time: 1.3874
Batch 193/248, train_loss: 0.2332, step time: 1.3814
Batch 194/248, train_loss: 0.0799, step time: 1.3909
Batch 195/248, train_loss: 0.8291, step time: 1.3714
Batch 196/248, train_loss: 0.6453, step time: 1.3830
Batch 197/248, train_loss: 0.1709, step time: 1.3852
Batch 198/248, train_loss: 0.5451, step time: 1.3681
Batch 199/248, train_loss: 0.1403, step time: 1.3723
Batch 200/248, train_loss: 0.1242, step time: 1.3946
Batch 201/248, train_loss: 0.1083, step time: 1.3609
Batch 202/248, train_loss: 0.4527, step time: 1.3927
Batch 203/248, train_loss: 0.4897, step time: 1.4042
Batch 204/248, train_loss: 0.0842, step time: 1.3584
Batch 205/248, train_loss: 0.2603, step time: 1.3984
Batch 206/248, train_loss: 0.6546, step time: 1.3735
Batch 207/248, train_loss: 0.0870, step time: 1.3685
Batch 208/248, train_loss: 0.1325, step time: 1.3926
Batch 209/248, train_loss: 0.1305, step time: 1.3637
Batch 210/248, train_loss: 0.0671, step time: 1.3757
Batch 211/248, train_loss: 0.0710, step time: 1.3745
Batch 212/248, train_loss: 0.4668, step time: 1.3867
Batch 213/248, train_loss: 0.1197, step time: 1.3840
Batch 214/248, train_loss: 0.0834, step time: 1.3599
Batch 215/248, train_loss: 0.3858, step time: 1.3950
Batch 216/248, train_loss: 0.2028, step time: 1.3647
Batch 217/248, train_loss: 0.2778, step time: 1.3849
Batch 218/248, train_loss: 0.7008, step time: 1.3830
Batch 219/248, train_loss: 0.0715, step time: 1.3535
Batch 220/248, train_loss: 0.2287, step time: 1.3623
Batch 221/248, train_loss: 0.2486, step time: 1.3484
Batch 222/248, train_loss: 0.2038, step time: 1.3544
Batch 223/248, train_loss: 0.0587, step time: 1.3751
Batch 224/248, train_loss: 0.0860, step time: 1.3701
Batch 225/248, train_loss: 0.2514, step time: 1.3546
Batch 226/248, train_loss: 0.1368, step time: 1.3625
Batch 227/248, train_loss: 0.1003, step time: 1.3565
Batch 228/248, train_loss: 0.1457, step time: 1.3677
Batch 229/248, train_loss: 0.0850, step time: 1.3587
Batch 230/248, train_loss: 0.0711, step time: 1.3626
Batch 231/248, train_loss: 0.4514, step time: 1.3646
Batch 232/248, train_loss: 0.0675, step time: 1.3575
Batch 233/248, train_loss: 0.9373, step time: 1.3684
Batch 234/248, train_loss: 0.4384, step time: 1.3583
Batch 235/248, train_loss: 0.3065, step time: 1.3637
Batch 236/248, train_loss: 0.7036, step time: 1.3518
Batch 237/248, train_loss: 0.1209, step time: 1.3418
Batch 238/248, train_loss: 0.0850, step time: 1.3543
Batch 239/248, train_loss: 0.1399, step time: 1.3618
Batch 240/248, train_loss: 0.3593, step time: 1.3352
Batch 241/248, train_loss: 0.7352, step time: 1.3269
Batch 242/248, train_loss: 0.1513, step time: 1.3499
Batch 243/248, train_loss: 0.4092, step time: 1.3295
Batch 244/248, train_loss: 0.3579, step time: 1.3516
Batch 245/248, train_loss: 0.0707, step time: 1.3433
Batch 246/248, train_loss: 0.6301, step time: 1.3510
Batch 247/248, train_loss: 0.0727, step time: 1.3386
Batch 248/248, train_loss: 0.9000, step time: 1.3100

Batch 240/240, training loss: 0.2997, step time: 1.5160

Labels



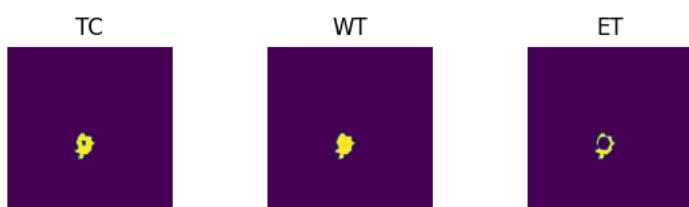
Predictions



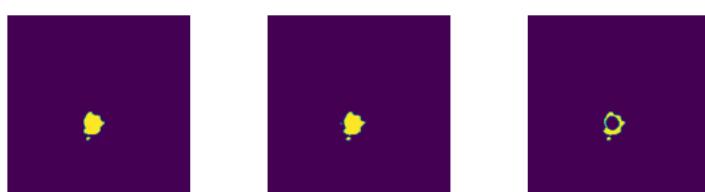
VAL

```
Batch 1/31, val_loss: 0.8293
Batch 2/31, val_loss: 0.9913
Batch 3/31, val_loss: 0.9655
Batch 4/31, val_loss: 0.9425
Batch 5/31, val_loss: 0.9913
Batch 6/31, val_loss: 0.6812
Batch 7/31, val_loss: 0.8199
Batch 8/31, val_loss: 0.9505
Batch 9/31, val_loss: 0.6891
Batch 10/31, val_loss: 0.9116
Batch 11/31, val_loss: 0.8191
Batch 12/31, val_loss: 0.9813
Batch 13/31, val_loss: 0.9889
Batch 14/31, val_loss: 0.9640
Batch 15/31, val_loss: 0.9850
Batch 16/31, val_loss: 0.9709
Batch 17/31, val_loss: 0.9664
Batch 18/31, val_loss: 0.9454
Batch 19/31, val_loss: 0.7410
Batch 20/31, val_loss: 0.8536
Batch 21/31, val_loss: 0.8694
Batch 22/31, val_loss: 0.9630
Batch 23/31, val_loss: 0.9691
Batch 24/31, val_loss: 0.7409
Batch 25/31, val_loss: 0.7998
Batch 26/31, val_loss: 0.9245
Batch 27/31, val_loss: 0.9742
Batch 28/31, val_loss: 0.7414
Batch 29/31, val_loss: 0.9821
Batch 30/31, val_loss: 0.9639
Batch 31/31, val_loss: 0.9730
```

Labels



Predictions



epoch 60

```
average train loss: 0.2921
average validation loss: 0.8997
saved as best model: False
current mean dice: 0.5969
current TC dice: 0.6313
```

current WT dice: 0.6387
current ET dice: 0.5520
Best Mean Metric: 0.6100
time consuming of epoch 60 is: 1694.0930

epoch 61/100
TRAIN

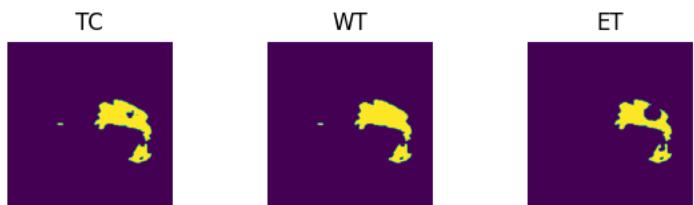
Batch 1/248, train_loss: 0.0770, step time: 1.3925
Batch 2/248, train_loss: 0.6664, step time: 1.3270
Batch 3/248, train_loss: 0.3446, step time: 1.3213
Batch 4/248, train_loss: 0.9942, step time: 1.3360
Batch 5/248, train_loss: 0.2688, step time: 1.3262
Batch 6/248, train_loss: 0.5861, step time: 1.3357
Batch 7/248, train_loss: 0.0597, step time: 1.3293
Batch 8/248, train_loss: 0.7376, step time: 1.3516
Batch 9/248, train_loss: 0.0366, step time: 1.3263
Batch 10/248, train_loss: 0.2592, step time: 1.3204
Batch 11/248, train_loss: 0.2017, step time: 1.3490
Batch 12/248, train_loss: 0.3758, step time: 1.3217
Batch 13/248, train_loss: 0.3238, step time: 1.3204
Batch 14/248, train_loss: 0.0416, step time: 1.3143
Batch 15/248, train_loss: 0.3317, step time: 1.3316
Batch 16/248, train_loss: 0.1530, step time: 1.3180
Batch 17/248, train_loss: 0.2379, step time: 1.3273
Batch 18/248, train_loss: 0.3029, step time: 1.3476
Batch 19/248, train_loss: 0.1229, step time: 1.3439
Batch 20/248, train_loss: 0.1461, step time: 1.3532
Batch 21/248, train_loss: 0.0505, step time: 1.3152
Batch 22/248, train_loss: 0.6234, step time: 1.3319
Batch 23/248, train_loss: 0.5650, step time: 1.3522
Batch 24/248, train_loss: 0.0928, step time: 1.3404
Batch 25/248, train_loss: 0.0611, step time: 1.3347
Batch 26/248, train_loss: 0.3712, step time: 1.3159
Batch 27/248, train_loss: 0.0666, step time: 1.3507
Batch 28/248, train_loss: 0.1767, step time: 1.3172
Batch 29/248, train_loss: 0.3308, step time: 1.3464
Batch 30/248, train_loss: 0.1984, step time: 1.3522
Batch 31/248, train_loss: 0.3321, step time: 1.3496
Batch 32/248, train_loss: 0.0850, step time: 1.3199
Batch 33/248, train_loss: 0.0673, step time: 1.3142
Batch 34/248, train_loss: 0.0458, step time: 1.3290
Batch 35/248, train_loss: 0.0568, step time: 1.3231
Batch 36/248, train_loss: 0.4031, step time: 1.3288
Batch 37/248, train_loss: 0.1311, step time: 1.3446
Batch 38/248, train_loss: 0.2709, step time: 1.3348
Batch 39/248, train_loss: 0.1673, step time: 1.3433
Batch 40/248, train_loss: 0.7838, step time: 1.3300
Batch 41/248, train_loss: 0.2157, step time: 1.3386
Batch 42/248, train_loss: 0.0695, step time: 1.3193
Batch 43/248, train_loss: 0.1271, step time: 1.3308
Batch 44/248, train_loss: 0.1646, step time: 1.3405
Batch 45/248, train_loss: 0.6161, step time: 1.3314
Batch 46/248, train_loss: 0.1501, step time: 1.3362
Batch 47/248, train_loss: 0.0755, step time: 1.3373
Batch 48/248, train_loss: 0.3442, step time: 1.3299
Batch 49/248, train_loss: 0.4117, step time: 1.3305
Batch 50/248, train_loss: 0.1321, step time: 1.3141
Batch 51/248, train_loss: 0.1193, step time: 1.3258
Batch 52/248, train_loss: 0.1283, step time: 1.3243
Batch 53/248, train_loss: 0.4261, step time: 1.3461
Batch 54/248, train_loss: 0.2537, step time: 1.3475
Batch 55/248, train_loss: 0.2262, step time: 1.3165
Batch 56/248, train_loss: 0.1679, step time: 1.3230
Batch 57/248, train_loss: 0.3902, step time: 1.3226
Batch 58/248, train_loss: 0.0788, step time: 1.3205
Batch 59/248, train_loss: 0.0987, step time: 1.3337
Batch 60/248, train_loss: 0.0653, step time: 1.3332
Batch 61/248, train_loss: 0.0823, step time: 1.3330
Batch 62/248, train_loss: 0.2916, step time: 1.3361
Batch 63/248, train_loss: 0.4175, step time: 1.3372
Batch 64/248, train_loss: 0.4151, step time: 1.3646
Batch 65/248, train_loss: 0.2284, step time: 1.3453
Batch 66/248, train_loss: 0.2139, step time: 1.3415
Batch 67/248, train_loss: 0.0669, step time: 1.3156
Batch 68/248, train_loss: 0.1033, step time: 1.3251
Batch 69/248, train_loss: 0.4318, step time: 1.3181
Batch 70/248, train_loss: 0.1924, step time: 1.3054
Batch 71/248, train_loss: 0.1209, step time: 1.3074
Batch 72/248, train_loss: 0.0673, step time: 1.3194
Batch 73/248, train_loss: 0.0904, step time: 1.3123
Batch 74/248, train_loss: 0.9770, step time: 1.3237
Batch 75/248, train_loss: 0.1155, step time: 1.3160
Batch 76/248, train_loss: 0.5116, step time: 1.3513
Batch 77/248, train_loss: 0.7145, step time: 1.3229
Batch 78/248, train_loss: 0.0863, step time: 1.3069

```
--|---, --|---, --|---, --|---, --|---  
Batch 79/248, train_loss: 0.1264, step time: 1.3357  
Batch 80/248, train_loss: 0.1773, step time: 1.3138  
Batch 81/248, train_loss: 0.1332, step time: 1.3399  
Batch 82/248, train_loss: 0.0847, step time: 1.3182  
Batch 83/248, train_loss: 0.5398, step time: 1.3396  
Batch 84/248, train_loss: 0.2934, step time: 1.3282  
Batch 85/248, train_loss: 0.4753, step time: 1.3210  
Batch 86/248, train_loss: 0.2509, step time: 1.3298  
Batch 87/248, train_loss: 0.8094, step time: 1.3160  
Batch 88/248, train_loss: 0.4096, step time: 1.3427  
Batch 89/248, train_loss: 0.0778, step time: 1.3162  
Batch 90/248, train_loss: 0.2947, step time: 1.3460  
Batch 91/248, train_loss: 0.3609, step time: 1.3473  
Batch 92/248, train_loss: 0.7762, step time: 1.3414  
Batch 93/248, train_loss: 0.1329, step time: 1.3208  
Batch 94/248, train_loss: 0.2961, step time: 1.3141  
Batch 95/248, train_loss: 0.1863, step time: 1.3261  
Batch 96/248, train_loss: 0.1369, step time: 1.3282  
Batch 97/248, train_loss: 0.6133, step time: 1.3228  
Batch 98/248, train_loss: 0.0952, step time: 1.3472  
Batch 99/248, train_loss: 0.2930, step time: 1.3193  
Batch 100/248, train_loss: 0.3426, step time: 1.3346  
Batch 101/248, train_loss: 0.0506, step time: 1.3304  
Batch 102/248, train_loss: 0.1220, step time: 1.3185  
Batch 103/248, train_loss: 0.3379, step time: 1.3143  
Batch 104/248, train_loss: 0.2442, step time: 1.3226  
Batch 105/248, train_loss: 0.0957, step time: 1.3346  
Batch 106/248, train_loss: 0.1320, step time: 1.3498  
Batch 107/248, train_loss: 0.8067, step time: 1.3512  
Batch 108/248, train_loss: 0.6587, step time: 1.3298  
Batch 109/248, train_loss: 0.9976, step time: 1.3134  
Batch 110/248, train_loss: 0.6415, step time: 1.3264  
Batch 111/248, train_loss: 0.0839, step time: 1.3291  
Batch 112/248, train_loss: 0.1452, step time: 1.3411  
Batch 113/248, train_loss: 0.4723, step time: 1.3324  
Batch 114/248, train_loss: 0.1326, step time: 1.3382  
Batch 115/248, train_loss: 0.1501, step time: 1.3472  
Batch 116/248, train_loss: 0.0604, step time: 1.3442  
Batch 117/248, train_loss: 0.6408, step time: 1.3225  
Batch 118/248, train_loss: 0.2610, step time: 1.3522  
Batch 119/248, train_loss: 0.3072, step time: 1.3363  
Batch 120/248, train_loss: 0.2418, step time: 1.3142  
Batch 121/248, train_loss: 0.2714, step time: 1.3172  
Batch 122/248, train_loss: 0.4495, step time: 1.3540  
Batch 123/248, train_loss: 0.0588, step time: 1.3262  
Batch 124/248, train_loss: 0.2534, step time: 1.3263  
Batch 125/248, train_loss: 0.5040, step time: 1.3136  
Batch 126/248, train_loss: 0.1770, step time: 1.3338  
Batch 127/248, train_loss: 0.1118, step time: 1.3209  
Batch 128/248, train_loss: 0.1613, step time: 1.3327  
Batch 129/248, train_loss: 0.0845, step time: 1.3422  
Batch 130/248, train_loss: 0.0786, step time: 1.3120  
Batch 131/248, train_loss: 0.3660, step time: 1.3197  
Batch 132/248, train_loss: 0.1895, step time: 1.3174  
Batch 133/248, train_loss: 0.0952, step time: 1.3174  
Batch 134/248, train_loss: 0.8746, step time: 1.3291  
Batch 135/248, train_loss: 0.2504, step time: 1.3353  
Batch 136/248, train_loss: 0.0995, step time: 1.3132  
Batch 137/248, train_loss: 0.1222, step time: 1.3476  
Batch 138/248, train_loss: 0.0760, step time: 1.3127  
Batch 139/248, train_loss: 0.1673, step time: 1.3273  
Batch 140/248, train_loss: 0.1918, step time: 1.3344  
Batch 141/248, train_loss: 0.1558, step time: 1.3277  
Batch 142/248, train_loss: 0.6748, step time: 1.3377  
Batch 143/248, train_loss: 0.2221, step time: 1.3113  
Batch 144/248, train_loss: 0.1024, step time: 1.3539  
Batch 145/248, train_loss: 0.0635, step time: 1.3334  
Batch 146/248, train_loss: 0.5024, step time: 1.3521  
Batch 147/248, train_loss: 0.0593, step time: 1.3239  
Batch 148/248, train_loss: 0.6505, step time: 1.3424  
Batch 149/248, train_loss: 0.1294, step time: 1.3097  
Batch 150/248, train_loss: 0.5825, step time: 1.3477  
Batch 151/248, train_loss: 0.2443, step time: 1.3520  
Batch 152/248, train_loss: 0.0516, step time: 1.3040  
Batch 153/248, train_loss: 0.1914, step time: 1.3444  
Batch 154/248, train_loss: 0.5152, step time: 1.3209  
Batch 155/248, train_loss: 0.0967, step time: 1.3393  
Batch 156/248, train_loss: 0.2241, step time: 1.3281  
Batch 157/248, train_loss: 0.2691, step time: 1.3318  
Batch 158/248, train_loss: 0.8781, step time: 1.3385  
Batch 159/248, train_loss: 0.4298, step time: 1.3371  
Batch 160/248, train_loss: 0.0984, step time: 1.3144  
Batch 161/248, train_loss: 0.0918, step time: 1.3513  
Batch 162/248, train_loss: 0.0933, step time: 1.3105  
Batch 163/248, train_loss: 0.1144, step time: 1.3189
```

Batch 105/248, train_loss: 0.1144, step time: 1.3100
Batch 164/248, train_loss: 0.2915, step time: 1.3470
Batch 165/248, train_loss: 0.5473, step time: 1.3226
Batch 166/248, train_loss: 0.1048, step time: 1.3159
Batch 167/248, train_loss: 0.1716, step time: 1.3269
Batch 168/248, train_loss: 0.1644, step time: 1.3191
Batch 169/248, train_loss: 0.0957, step time: 1.3148
Batch 170/248, train_loss: 0.5666, step time: 1.3326
Batch 171/248, train_loss: 0.0931, step time: 1.3144
Batch 172/248, train_loss: 0.5933, step time: 1.3336
Batch 173/248, train_loss: 0.1434, step time: 1.3283
Batch 174/248, train_loss: 0.8069, step time: 1.3467
Batch 175/248, train_loss: 0.1419, step time: 1.3348
Batch 176/248, train_loss: 0.3600, step time: 1.3506
Batch 177/248, train_loss: 0.3209, step time: 1.3498
Batch 178/248, train_loss: 0.2445, step time: 1.3386
Batch 179/248, train_loss: 0.0611, step time: 1.3102
Batch 180/248, train_loss: 0.3424, step time: 1.3275
Batch 181/248, train_loss: 0.0853, step time: 1.3092
Batch 182/248, train_loss: 0.9116, step time: 1.3089
Batch 183/248, train_loss: 0.1129, step time: 1.3397
Batch 184/248, train_loss: 0.2414, step time: 1.3328
Batch 185/248, train_loss: 0.0945, step time: 1.3458
Batch 186/248, train_loss: 0.0890, step time: 1.3173
Batch 187/248, train_loss: 0.1656, step time: 1.3233
Batch 188/248, train_loss: 0.2140, step time: 1.3467
Batch 189/248, train_loss: 0.5230, step time: 1.3329
Batch 190/248, train_loss: 0.1184, step time: 1.3362
Batch 191/248, train_loss: 0.6551, step time: 1.3371
Batch 192/248, train_loss: 0.2566, step time: 1.3379
Batch 193/248, train_loss: 0.2363, step time: 1.3145
Batch 194/248, train_loss: 0.1203, step time: 1.3382
Batch 195/248, train_loss: 0.5677, step time: 1.3350
Batch 196/248, train_loss: 0.5919, step time: 1.3239
Batch 197/248, train_loss: 0.1786, step time: 1.3456
Batch 198/248, train_loss: 0.5033, step time: 1.3394
Batch 199/248, train_loss: 0.1421, step time: 1.3293
Batch 200/248, train_loss: 0.1675, step time: 1.3436
Batch 201/248, train_loss: 0.1141, step time: 1.3179
Batch 202/248, train_loss: 0.4262, step time: 1.3423
Batch 203/248, train_loss: 0.4271, step time: 1.3334
Batch 204/248, train_loss: 0.1116, step time: 1.3228
Batch 205/248, train_loss: 0.2555, step time: 1.3420
Batch 206/248, train_loss: 0.3529, step time: 1.3448
Batch 207/248, train_loss: 0.1220, step time: 1.3280
Batch 208/248, train_loss: 0.1215, step time: 1.3359
Batch 209/248, train_loss: 0.1487, step time: 1.3216
Batch 210/248, train_loss: 0.0691, step time: 1.3185
Batch 211/248, train_loss: 0.0713, step time: 1.3295
Batch 212/248, train_loss: 0.2649, step time: 1.3166
Batch 213/248, train_loss: 0.1597, step time: 1.3288
Batch 214/248, train_loss: 0.0870, step time: 1.3214
Batch 215/248, train_loss: 0.3812, step time: 1.3305
Batch 216/248, train_loss: 0.1732, step time: 1.3499
Batch 217/248, train_loss: 0.2944, step time: 1.3342
Batch 218/248, train_loss: 0.7277, step time: 1.3406
Batch 219/248, train_loss: 0.0713, step time: 1.3476
Batch 220/248, train_loss: 0.2391, step time: 1.3541
Batch 221/248, train_loss: 0.2766, step time: 1.3383
Batch 222/248, train_loss: 0.2093, step time: 1.3253
Batch 223/248, train_loss: 0.0492, step time: 1.3240
Batch 224/248, train_loss: 0.0925, step time: 1.3314
Batch 225/248, train_loss: 0.4137, step time: 1.3364
Batch 226/248, train_loss: 0.2426, step time: 1.3383
Batch 227/248, train_loss: 0.1040, step time: 1.3116
Batch 228/248, train_loss: 0.1593, step time: 1.3409
Batch 229/248, train_loss: 0.0885, step time: 1.3083
Batch 230/248, train_loss: 0.0656, step time: 1.3099
Batch 231/248, train_loss: 0.3428, step time: 1.3239
Batch 232/248, train_loss: 0.0735, step time: 1.3155
Batch 233/248, train_loss: 0.9659, step time: 1.3444
Batch 234/248, train_loss: 0.4735, step time: 1.3447
Batch 235/248, train_loss: 0.2390, step time: 1.3206
Batch 236/248, train_loss: 0.7753, step time: 1.3268
Batch 237/248, train_loss: 0.1359, step time: 1.3375
Batch 238/248, train_loss: 0.0913, step time: 1.3151
Batch 239/248, train_loss: 0.1115, step time: 1.3177
Batch 240/248, train_loss: 0.4707, step time: 1.3479
Batch 241/248, train_loss: 0.7005, step time: 1.3536
Batch 242/248, train_loss: 0.1469, step time: 1.3248
Batch 243/248, train_loss: 0.4293, step time: 1.3281
Batch 244/248, train_loss: 0.3562, step time: 1.3368
Batch 245/248, train_loss: 0.0746, step time: 1.3197
Batch 246/248, train_loss: 0.5666, step time: 1.3297
Batch 247/248, train_loss: 0.1530, step time: 1.3223

Batch 248/248, train_loss: 0.9997, step time: 1.2939

Labels



Predictions



VAL

Batch 1/31, val_loss: 0.8458

Batch 2/31, val_loss: 0.9898

Batch 3/31, val_loss: 0.9600

Batch 4/31, val_loss: 0.9451

Batch 5/31, val_loss: 0.9917

Batch 6/31, val_loss: 0.7188

Batch 7/31, val_loss: 0.8637

Batch 8/31, val_loss: 0.9499

Batch 9/31, val_loss: 0.7002

Batch 10/31, val_loss: 0.9125

Batch 11/31, val_loss: 0.8256

Batch 12/31, val_loss: 0.9746

Batch 13/31, val_loss: 0.9979

Batch 14/31, val_loss: 0.9428

Batch 15/31, val_loss: 0.9861

Batch 16/31, val_loss: 0.9709

Batch 17/31, val_loss: 0.9641

Batch 18/31, val_loss: 0.9427

Batch 19/31, val_loss: 0.7480

Batch 20/31, val_loss: 0.8797

Batch 21/31, val_loss: 0.8868

Batch 22/31, val_loss: 0.9644

Batch 23/31, val_loss: 0.9692

Batch 24/31, val_loss: 0.7477

Batch 25/31, val_loss: 0.8065

Batch 26/31, val_loss: 0.9237

Batch 27/31, val_loss: 0.9741

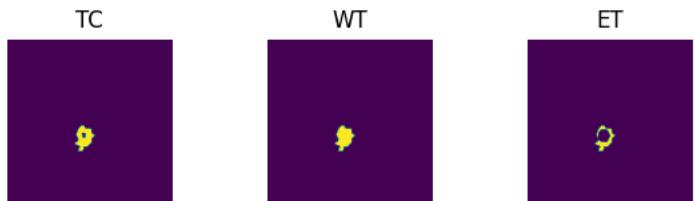
Batch 28/31, val_loss: 0.7443

Batch 29/31, val_loss: 0.9834

Batch 30/31, val_loss: 0.9625

Batch 31/31, val_loss: 0.9738

Labels



Predictions



epoch 61

average train loss: 0.2802

average validation loss: 0.9047

saved as best model: False

current mean dice: 0.5986

current TC dice: 0.6353

current WT dice: 0.6396
current ET dice: 0.5556
Best Mean Metric: 0.6100
time consuming of epoch 61 is: 1666.5706

epoch 62/100
TRAIN

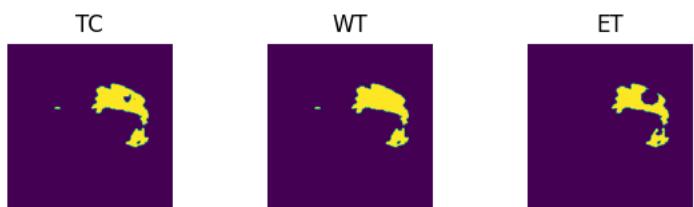
Batch 1/248, train_loss: 0.1420, step time: 1.3882
Batch 2/248, train_loss: 0.7292, step time: 1.3209
Batch 3/248, train_loss: 0.3176, step time: 1.3495
Batch 4/248, train_loss: 0.9198, step time: 1.3478
Batch 5/248, train_loss: 0.2241, step time: 1.3194
Batch 6/248, train_loss: 0.8148, step time: 1.3403
Batch 7/248, train_loss: 0.0580, step time: 1.3362
Batch 8/248, train_loss: 0.7248, step time: 1.3457
Batch 9/248, train_loss: 0.0457, step time: 1.3231
Batch 10/248, train_loss: 0.2189, step time: 1.3358
Batch 11/248, train_loss: 0.1780, step time: 1.3500
Batch 12/248, train_loss: 0.3388, step time: 1.3302
Batch 13/248, train_loss: 0.2738, step time: 1.3102
Batch 14/248, train_loss: 0.0458, step time: 1.3128
Batch 15/248, train_loss: 0.3268, step time: 1.3189
Batch 16/248, train_loss: 0.1393, step time: 1.3337
Batch 17/248, train_loss: 0.2410, step time: 1.3449
Batch 18/248, train_loss: 0.3270, step time: 1.3227
Batch 19/248, train_loss: 0.1253, step time: 1.3402
Batch 20/248, train_loss: 0.3770, step time: 1.3167
Batch 21/248, train_loss: 0.0581, step time: 1.3404
Batch 22/248, train_loss: 0.9050, step time: 1.3270
Batch 23/248, train_loss: 0.7452, step time: 1.3396
Batch 24/248, train_loss: 0.0933, step time: 1.3132
Batch 25/248, train_loss: 0.0599, step time: 1.3184
Batch 26/248, train_loss: 0.3295, step time: 1.3447
Batch 27/248, train_loss: 0.0613, step time: 1.3394
Batch 28/248, train_loss: 0.1540, step time: 1.3484
Batch 29/248, train_loss: 0.3899, step time: 1.3418
Batch 30/248, train_loss: 0.4823, step time: 1.3288
Batch 31/248, train_loss: 0.3840, step time: 1.3150
Batch 32/248, train_loss: 0.0925, step time: 1.3409
Batch 33/248, train_loss: 0.0776, step time: 1.3265
Batch 34/248, train_loss: 0.0419, step time: 1.3403
Batch 35/248, train_loss: 0.0487, step time: 1.3238
Batch 36/248, train_loss: 0.4675, step time: 1.3330
Batch 37/248, train_loss: 0.1407, step time: 1.3128
Batch 38/248, train_loss: 0.3194, step time: 1.3446
Batch 39/248, train_loss: 0.1768, step time: 1.3166
Batch 40/248, train_loss: 0.5274, step time: 1.3538
Batch 41/248, train_loss: 0.2260, step time: 1.3535
Batch 42/248, train_loss: 0.0751, step time: 1.3302
Batch 43/248, train_loss: 0.0737, step time: 1.3381
Batch 44/248, train_loss: 0.1006, step time: 1.3230
Batch 45/248, train_loss: 0.7808, step time: 1.3322
Batch 46/248, train_loss: 0.1452, step time: 1.3065
Batch 47/248, train_loss: 0.0803, step time: 1.3168
Batch 48/248, train_loss: 0.1923, step time: 1.3177
Batch 49/248, train_loss: 0.4326, step time: 1.3307
Batch 50/248, train_loss: 0.1266, step time: 1.3312
Batch 51/248, train_loss: 0.1956, step time: 1.3420
Batch 52/248, train_loss: 0.1067, step time: 1.3200
Batch 53/248, train_loss: 0.4140, step time: 1.3167
Batch 54/248, train_loss: 0.2565, step time: 1.3219
Batch 55/248, train_loss: 0.2362, step time: 1.3231
Batch 56/248, train_loss: 0.1799, step time: 1.3510
Batch 57/248, train_loss: 0.2352, step time: 1.3085
Batch 58/248, train_loss: 0.0719, step time: 1.3493
Batch 59/248, train_loss: 0.0970, step time: 1.3235
Batch 60/248, train_loss: 0.0904, step time: 1.3446
Batch 61/248, train_loss: 0.0743, step time: 1.3313
Batch 62/248, train_loss: 0.2144, step time: 1.3258
Batch 63/248, train_loss: 0.5710, step time: 1.3453
Batch 64/248, train_loss: 0.5295, step time: 1.3251
Batch 65/248, train_loss: 0.2231, step time: 1.3130
Batch 66/248, train_loss: 0.1495, step time: 1.3411
Batch 67/248, train_loss: 0.0725, step time: 1.3033
Batch 68/248, train_loss: 0.1282, step time: 1.3311
Batch 69/248, train_loss: 0.5440, step time: 1.3208
Batch 70/248, train_loss: 0.1152, step time: 1.3375
Batch 71/248, train_loss: 0.1361, step time: 1.3482
Batch 72/248, train_loss: 0.0728, step time: 1.3199
Batch 73/248, train_loss: 0.4246, step time: 1.3225
Batch 74/248, train_loss: 0.6525, step time: 1.3288
Batch 75/248, train_loss: 0.1033, step time: 1.3164
Batch 76/248, train_loss: 0.6272, step time: 1.3291
Batch 77/248, train_loss: 0.7478, step time: 1.3368

```
Batch 78/248, train_loss: 0.1200, step time: 1.3320
Batch 79/248, train_loss: 0.1258, step time: 1.3377
Batch 80/248, train_loss: 0.1850, step time: 1.3163
Batch 81/248, train_loss: 0.1548, step time: 1.3225
Batch 82/248, train_loss: 0.0890, step time: 1.3308
Batch 83/248, train_loss: 0.5701, step time: 1.3518
Batch 84/248, train_loss: 0.2855, step time: 1.3209
Batch 85/248, train_loss: 0.8319, step time: 1.3184
Batch 86/248, train_loss: 0.5903, step time: 1.3501
Batch 87/248, train_loss: 0.8523, step time: 1.3228
Batch 88/248, train_loss: 0.4076, step time: 1.3459
Batch 89/248, train_loss: 0.1117, step time: 1.3349
Batch 90/248, train_loss: 0.3915, step time: 1.3214
Batch 91/248, train_loss: 0.4187, step time: 1.3353
Batch 92/248, train_loss: 0.6490, step time: 1.3410
Batch 93/248, train_loss: 0.1469, step time: 1.3461
Batch 94/248, train_loss: 0.4150, step time: 1.3204
Batch 95/248, train_loss: 0.1612, step time: 1.3341
Batch 96/248, train_loss: 0.1400, step time: 1.3092
Batch 97/248, train_loss: 0.5901, step time: 1.3439
Batch 98/248, train_loss: 0.1549, step time: 1.3167
Batch 99/248, train_loss: 0.3609, step time: 1.3299
Batch 100/248, train_loss: 0.3055, step time: 1.3381
Batch 101/248, train_loss: 0.0546, step time: 1.3380
Batch 102/248, train_loss: 0.0980, step time: 1.3349
Batch 103/248, train_loss: 0.3456, step time: 1.3455
Batch 104/248, train_loss: 0.3539, step time: 1.3430
Batch 105/248, train_loss: 0.0835, step time: 1.3284
Batch 106/248, train_loss: 0.1486, step time: 1.3274
Batch 107/248, train_loss: 0.2327, step time: 1.3485
Batch 108/248, train_loss: 0.5251, step time: 1.3330
Batch 109/248, train_loss: 0.9832, step time: 1.3188
Batch 110/248, train_loss: 0.8107, step time: 1.3456
Batch 111/248, train_loss: 0.1371, step time: 1.3227
Batch 112/248, train_loss: 0.1944, step time: 1.3301
Batch 113/248, train_loss: 0.6969, step time: 1.3466
Batch 114/248, train_loss: 0.1151, step time: 1.3127
Batch 115/248, train_loss: 0.1473, step time: 1.3226
Batch 116/248, train_loss: 0.0783, step time: 1.3139
Batch 117/248, train_loss: 0.5986, step time: 1.3220
Batch 118/248, train_loss: 0.7912, step time: 1.3292
Batch 119/248, train_loss: 0.2974, step time: 1.3130
Batch 120/248, train_loss: 0.1991, step time: 1.3321
Batch 121/248, train_loss: 0.2885, step time: 1.3473
Batch 122/248, train_loss: 0.4366, step time: 1.3314
Batch 123/248, train_loss: 0.0812, step time: 1.3198
Batch 124/248, train_loss: 0.4079, step time: 1.3297
Batch 125/248, train_loss: 0.5036, step time: 1.3322
Batch 126/248, train_loss: 0.3555, step time: 1.3191
Batch 127/248, train_loss: 0.1321, step time: 1.3182
Batch 128/248, train_loss: 0.1479, step time: 1.3116
Batch 129/248, train_loss: 0.1122, step time: 1.3251
Batch 130/248, train_loss: 0.0965, step time: 1.3131
Batch 131/248, train_loss: 0.3580, step time: 1.3378
Batch 132/248, train_loss: 0.2979, step time: 1.3174
Batch 133/248, train_loss: 0.1273, step time: 1.3437
Batch 134/248, train_loss: 0.8808, step time: 1.3155
Batch 135/248, train_loss: 0.2112, step time: 1.3324
Batch 136/248, train_loss: 0.1139, step time: 1.3434
Batch 137/248, train_loss: 0.1585, step time: 1.3283
Batch 138/248, train_loss: 0.0671, step time: 1.3327
Batch 139/248, train_loss: 0.3659, step time: 1.3208
Batch 140/248, train_loss: 0.3204, step time: 1.3272
Batch 141/248, train_loss: 0.1350, step time: 1.3441
Batch 142/248, train_loss: 0.5472, step time: 1.3411
Batch 143/248, train_loss: 0.2265, step time: 1.3368
Batch 144/248, train_loss: 0.1268, step time: 1.3418
Batch 145/248, train_loss: 0.0591, step time: 1.3186
Batch 146/248, train_loss: 0.3099, step time: 1.3135
Batch 147/248, train_loss: 0.0576, step time: 1.3387
Batch 148/248, train_loss: 0.9411, step time: 1.3351
Batch 149/248, train_loss: 0.1456, step time: 1.3109
Batch 150/248, train_loss: 0.5754, step time: 1.3268
Batch 151/248, train_loss: 0.2424, step time: 1.3233
Batch 152/248, train_loss: 0.0477, step time: 1.3065
Batch 153/248, train_loss: 0.3800, step time: 1.3223
Batch 154/248, train_loss: 0.8746, step time: 1.3304
Batch 155/248, train_loss: 0.1100, step time: 1.3322
Batch 156/248, train_loss: 0.1190, step time: 1.3151
Batch 157/248, train_loss: 0.2854, step time: 1.3274
Batch 158/248, train_loss: 0.9111, step time: 1.3231
Batch 159/248, train_loss: 0.5530, step time: 1.3151
Batch 160/248, train_loss: 0.1030, step time: 1.3375
Batch 161/248, train_loss: 0.0660, step time: 1.3134
Batch 162/248, train_loss: 0.0808, step time: 1.3226
```

Batch 163/248, train_loss: 0.1487, step time: 1.3296
Batch 164/248, train_loss: 0.3277, step time: 1.3219
Batch 165/248, train_loss: 0.5431, step time: 1.3362
Batch 166/248, train_loss: 0.1138, step time: 1.3393
Batch 167/248, train_loss: 0.1749, step time: 1.3391
Batch 168/248, train_loss: 0.1587, step time: 1.3229
Batch 169/248, train_loss: 0.1315, step time: 1.3178
Batch 170/248, train_loss: 0.5638, step time: 1.3300
Batch 171/248, train_loss: 0.0798, step time: 1.3356
Batch 172/248, train_loss: 0.4493, step time: 1.3267
Batch 173/248, train_loss: 0.0793, step time: 1.3331
Batch 174/248, train_loss: 0.7120, step time: 1.3480
Batch 175/248, train_loss: 0.1361, step time: 1.3088
Batch 176/248, train_loss: 0.3824, step time: 1.3371
Batch 177/248, train_loss: 0.2660, step time: 1.3336
Batch 178/248, train_loss: 0.3190, step time: 1.3498
Batch 179/248, train_loss: 0.0613, step time: 1.3293
Batch 180/248, train_loss: 0.3690, step time: 1.3412
Batch 181/248, train_loss: 0.0818, step time: 1.3101
Batch 182/248, train_loss: 0.9023, step time: 1.3396
Batch 183/248, train_loss: 0.1268, step time: 1.3194
Batch 184/248, train_loss: 0.2138, step time: 1.3111
Batch 185/248, train_loss: 0.1040, step time: 1.3352
Batch 186/248, train_loss: 0.0821, step time: 1.3212
Batch 187/248, train_loss: 0.1969, step time: 1.3445
Batch 188/248, train_loss: 0.2237, step time: 1.3246
Batch 189/248, train_loss: 0.5190, step time: 1.3313
Batch 190/248, train_loss: 0.1142, step time: 1.3214
Batch 191/248, train_loss: 0.6728, step time: 1.3339
Batch 192/248, train_loss: 0.3205, step time: 1.3325
Batch 193/248, train_loss: 0.2419, step time: 1.3246
Batch 194/248, train_loss: 0.0973, step time: 1.3312
Batch 195/248, train_loss: 0.5561, step time: 1.3273
Batch 196/248, train_loss: 0.6200, step time: 1.3306
Batch 197/248, train_loss: 0.1630, step time: 1.3422
Batch 198/248, train_loss: 0.6189, step time: 1.3336
Batch 199/248, train_loss: 0.1361, step time: 1.3401
Batch 200/248, train_loss: 0.1276, step time: 1.3193
Batch 201/248, train_loss: 0.1053, step time: 1.3317
Batch 202/248, train_loss: 0.4951, step time: 1.3305
Batch 203/248, train_loss: 0.4440, step time: 1.3418
Batch 204/248, train_loss: 0.0897, step time: 1.3222
Batch 205/248, train_loss: 0.2642, step time: 1.3414
Batch 206/248, train_loss: 0.7029, step time: 1.3467
Batch 207/248, train_loss: 0.1515, step time: 1.3421
Batch 208/248, train_loss: 0.1686, step time: 1.3347
Batch 209/248, train_loss: 0.1471, step time: 1.3380
Batch 210/248, train_loss: 0.0771, step time: 1.3520
Batch 211/248, train_loss: 0.0744, step time: 1.3121
Batch 212/248, train_loss: 0.3423, step time: 1.3211
Batch 213/248, train_loss: 0.2308, step time: 1.3375
Batch 214/248, train_loss: 0.0974, step time: 1.3205
Batch 215/248, train_loss: 0.4223, step time: 1.3506
Batch 216/248, train_loss: 0.2379, step time: 1.3261
Batch 217/248, train_loss: 0.2705, step time: 1.3321
Batch 218/248, train_loss: 0.7182, step time: 1.3225
Batch 219/248, train_loss: 0.0752, step time: 1.3119
Batch 220/248, train_loss: 0.2092, step time: 1.3240
Batch 221/248, train_loss: 0.2667, step time: 1.3438
Batch 222/248, train_loss: 0.2051, step time: 1.3195
Batch 223/248, train_loss: 0.0506, step time: 1.3366
Batch 224/248, train_loss: 0.0913, step time: 1.3128
Batch 225/248, train_loss: 0.7285, step time: 1.3352
Batch 226/248, train_loss: 0.2999, step time: 1.3235
Batch 227/248, train_loss: 0.1194, step time: 1.3166
Batch 228/248, train_loss: 0.1576, step time: 1.3395
Batch 229/248, train_loss: 0.0794, step time: 1.3083
Batch 230/248, train_loss: 0.0710, step time: 1.3263
Batch 231/248, train_loss: 0.3099, step time: 1.3435
Batch 232/248, train_loss: 0.0831, step time: 1.3159
Batch 233/248, train_loss: 0.9623, step time: 1.3334
Batch 234/248, train_loss: 0.4101, step time: 1.3282
Batch 235/248, train_loss: 0.2036, step time: 1.3280
Batch 236/248, train_loss: 0.7434, step time: 1.3470
Batch 237/248, train_loss: 0.1361, step time: 1.3115
Batch 238/248, train_loss: 0.0920, step time: 1.3082
Batch 239/248, train_loss: 0.0731, step time: 1.3114
Batch 240/248, train_loss: 0.4466, step time: 1.3189
Batch 241/248, train_loss: 0.7638, step time: 1.3392
Batch 242/248, train_loss: 0.1338, step time: 1.3420
Batch 243/248, train_loss: 0.4013, step time: 1.3221
Batch 244/248, train_loss: 0.3447, step time: 1.3387
Batch 245/248, train_loss: 0.0684, step time: 1.3390
Batch 246/248, train_loss: 0.5480, step time: 1.3324
Batch 247/248, train_loss: 0.0761, step time: 1.3211

Batch 248/248, train_loss: 0.9998, step time: 1.3324

Labels



Predictions



VAL

Batch 1/31, val_loss: 0.8289

Batch 2/31, val_loss: 0.9912

Batch 3/31, val_loss: 0.9683

Batch 4/31, val_loss: 0.9469

Batch 5/31, val_loss: 0.9911

Batch 6/31, val_loss: 0.6961

Batch 7/31, val_loss: 0.8306

Batch 8/31, val_loss: 0.9463

Batch 9/31, val_loss: 0.6926

Batch 10/31, val_loss: 0.9147

Batch 11/31, val_loss: 0.8188

Batch 12/31, val_loss: 0.9723

Batch 13/31, val_loss: 0.9954

Batch 14/31, val_loss: 0.9495

Batch 15/31, val_loss: 0.9856

Batch 16/31, val_loss: 0.9716

Batch 17/31, val_loss: 0.9723

Batch 18/31, val_loss: 0.9440

Batch 19/31, val_loss: 0.7388

Batch 20/31, val_loss: 0.8606

Batch 21/31, val_loss: 0.8848

Batch 22/31, val_loss: 0.9603

Batch 23/31, val_loss: 0.9700

Batch 24/31, val_loss: 0.7419

Batch 25/31, val_loss: 0.8033

Batch 26/31, val_loss: 0.9188

Batch 27/31, val_loss: 0.9743

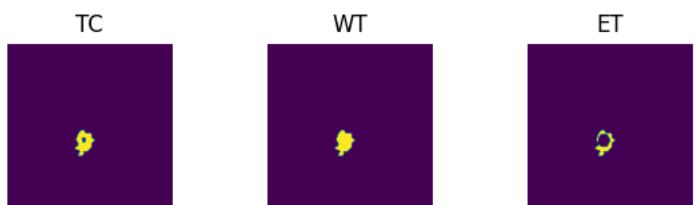
Batch 28/31, val_loss: 0.7482

Batch 29/31, val_loss: 0.9836

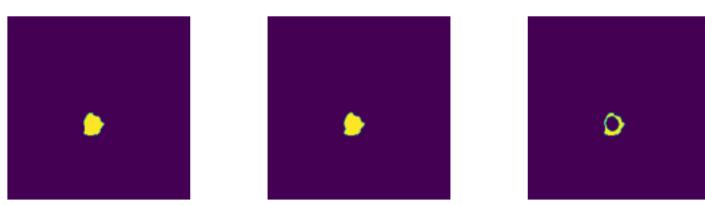
Batch 30/31, val_loss: 0.9660

Batch 31/31, val_loss: 0.9726

Labels



Predictions



epoch 62

average train loss: 0.2994

average validation loss: 0.9013

saved as best model: False

current mean dice: 0.5877

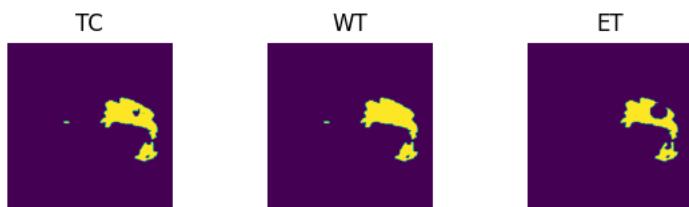
```
current TC dice: 0.6175
current WT dice: 0.6279
current ET dice: 0.5519
Best Mean Metric: 0.6100
time consuming of epoch 62 is: 1687.0755
-----
epoch 63/100
TRAIN
Batch 1/248, train_loss: 0.0873, step time: 1.4005
Batch 2/248, train_loss: 0.7761, step time: 1.3495
Batch 3/248, train_loss: 0.3927, step time: 1.3435
Batch 4/248, train_loss: 0.9781, step time: 1.3344
Batch 5/248, train_loss: 0.1879, step time: 1.3209
Batch 6/248, train_loss: 0.1743, step time: 1.3147
Batch 7/248, train_loss: 0.0578, step time: 1.3234
Batch 8/248, train_loss: 0.6992, step time: 1.3425
Batch 9/248, train_loss: 0.0375, step time: 1.3226
Batch 10/248, train_loss: 0.2214, step time: 1.3079
Batch 11/248, train_loss: 0.1709, step time: 1.3202
Batch 12/248, train_loss: 0.3177, step time: 1.3481
Batch 13/248, train_loss: 0.2585, step time: 1.3157
Batch 14/248, train_loss: 0.0565, step time: 1.3479
Batch 15/248, train_loss: 0.3731, step time: 1.3227
Batch 16/248, train_loss: 0.1413, step time: 1.3241
Batch 17/248, train_loss: 0.2084, step time: 1.3267
Batch 18/248, train_loss: 0.2623, step time: 1.3309
Batch 19/248, train_loss: 0.1532, step time: 1.3357
Batch 20/248, train_loss: 0.1492, step time: 1.3497
Batch 21/248, train_loss: 0.0419, step time: 1.3106
Batch 22/248, train_loss: 0.9915, step time: 1.3428
Batch 23/248, train_loss: 0.5856, step time: 1.3344
Batch 24/248, train_loss: 0.0874, step time: 1.3225
Batch 25/248, train_loss: 0.0631, step time: 1.3094
Batch 26/248, train_loss: 0.3476, step time: 1.3160
Batch 27/248, train_loss: 0.0836, step time: 1.3460
Batch 28/248, train_loss: 0.2112, step time: 1.3294
Batch 29/248, train_loss: 0.3783, step time: 1.3376
Batch 30/248, train_loss: 0.5562, step time: 1.3390
Batch 31/248, train_loss: 0.2964, step time: 1.3395
Batch 32/248, train_loss: 0.0862, step time: 1.3405
Batch 33/248, train_loss: 0.0750, step time: 1.3347
Batch 34/248, train_loss: 0.0422, step time: 1.3095
Batch 35/248, train_loss: 0.0586, step time: 1.3297
Batch 36/248, train_loss: 0.4215, step time: 1.3239
Batch 37/248, train_loss: 0.1447, step time: 1.3403
Batch 38/248, train_loss: 0.2740, step time: 1.3373
Batch 39/248, train_loss: 0.1824, step time: 1.3261
Batch 40/248, train_loss: 0.5607, step time: 1.3176
Batch 41/248, train_loss: 0.2727, step time: 1.3090
Batch 42/248, train_loss: 0.0840, step time: 1.3065
Batch 43/248, train_loss: 0.0635, step time: 1.3189
Batch 44/248, train_loss: 0.1843, step time: 1.3096
Batch 45/248, train_loss: 0.6422, step time: 1.3267
Batch 46/248, train_loss: 0.1482, step time: 1.3305
Batch 47/248, train_loss: 0.0817, step time: 1.3186
Batch 48/248, train_loss: 0.1811, step time: 1.3348
Batch 49/248, train_loss: 0.3481, step time: 1.3111
Batch 50/248, train_loss: 0.1241, step time: 1.3116
Batch 51/248, train_loss: 0.1597, step time: 1.3415
Batch 52/248, train_loss: 0.0988, step time: 1.3158
Batch 53/248, train_loss: 0.3817, step time: 1.3307
Batch 54/248, train_loss: 0.2275, step time: 1.3150
Batch 55/248, train_loss: 0.2412, step time: 1.3171
Batch 56/248, train_loss: 0.2386, step time: 1.3382
Batch 57/248, train_loss: 0.2145, step time: 1.3261
Batch 58/248, train_loss: 0.0758, step time: 1.3173
Batch 59/248, train_loss: 0.0883, step time: 1.3216
Batch 60/248, train_loss: 0.0700, step time: 1.3398
Batch 61/248, train_loss: 0.0787, step time: 1.3434
Batch 62/248, train_loss: 0.2029, step time: 1.3266
Batch 63/248, train_loss: 0.3805, step time: 1.3222
Batch 64/248, train_loss: 0.4182, step time: 1.3217
Batch 65/248, train_loss: 0.2232, step time: 1.3314
Batch 66/248, train_loss: 0.1368, step time: 1.3224
Batch 67/248, train_loss: 0.0698, step time: 1.3238
Batch 68/248, train_loss: 0.0917, step time: 1.3307
Batch 69/248, train_loss: 0.7223, step time: 1.3135
Batch 70/248, train_loss: 0.1619, step time: 1.3345
Batch 71/248, train_loss: 0.1178, step time: 1.3189
Batch 72/248, train_loss: 0.0609, step time: 1.3344
Batch 73/248, train_loss: 0.0934, step time: 1.3178
Batch 74/248, train_loss: 0.7293, step time: 1.3370
Batch 75/248, train_loss: 0.1197, step time: 1.3278
Batch 76/248, train_loss: 0.5165, step time: 1.3233
Batch 77/248, train_loss: 0.6782, step time: 1.3358
```

Batch 78/248, train_loss: 0.0812, step time: 1.3363
Batch 79/248, train_loss: 0.1571, step time: 1.3441
Batch 80/248, train_loss: 0.1973, step time: 1.3170
Batch 81/248, train_loss: 0.1174, step time: 1.3069
Batch 82/248, train_loss: 0.0848, step time: 1.3136
Batch 83/248, train_loss: 0.5051, step time: 1.3334
Batch 84/248, train_loss: 0.2309, step time: 1.3305
Batch 85/248, train_loss: 0.3496, step time: 1.3368
Batch 86/248, train_loss: 0.2046, step time: 1.3150
Batch 87/248, train_loss: 0.7568, step time: 1.3285
Batch 88/248, train_loss: 0.3466, step time: 1.3240
Batch 89/248, train_loss: 0.0654, step time: 1.3253
Batch 90/248, train_loss: 0.3308, step time: 1.3124
Batch 91/248, train_loss: 0.3250, step time: 1.3215
Batch 92/248, train_loss: 0.7480, step time: 1.3193
Batch 93/248, train_loss: 0.1402, step time: 1.3198
Batch 94/248, train_loss: 0.1876, step time: 1.3315
Batch 95/248, train_loss: 0.1683, step time: 1.3195
Batch 96/248, train_loss: 0.1466, step time: 1.3092
Batch 97/248, train_loss: 0.5501, step time: 1.3182
Batch 98/248, train_loss: 0.2022, step time: 1.3432
Batch 99/248, train_loss: 0.3921, step time: 1.3432
Batch 100/248, train_loss: 0.2563, step time: 1.3419
Batch 101/248, train_loss: 0.0508, step time: 1.3031
Batch 102/248, train_loss: 0.1478, step time: 1.3395
Batch 103/248, train_loss: 0.3633, step time: 1.3198
Batch 104/248, train_loss: 0.3237, step time: 1.3457
Batch 105/248, train_loss: 0.0890, step time: 1.3363
Batch 106/248, train_loss: 0.1166, step time: 1.3068
Batch 107/248, train_loss: 0.2140, step time: 1.3482
Batch 108/248, train_loss: 0.5768, step time: 1.3200
Batch 109/248, train_loss: 0.9404, step time: 1.3408
Batch 110/248, train_loss: 0.3979, step time: 1.3109
Batch 111/248, train_loss: 0.1289, step time: 1.3232
Batch 112/248, train_loss: 0.2813, step time: 1.3104
Batch 113/248, train_loss: 0.6709, step time: 1.3442
Batch 114/248, train_loss: 0.1485, step time: 1.3379
Batch 115/248, train_loss: 0.2336, step time: 1.3359
Batch 116/248, train_loss: 0.1708, step time: 1.3434
Batch 117/248, train_loss: 0.6623, step time: 1.3467
Batch 118/248, train_loss: 0.1373, step time: 1.3273
Batch 119/248, train_loss: 0.2545, step time: 1.3356
Batch 120/248, train_loss: 0.1872, step time: 1.3089
Batch 121/248, train_loss: 0.2830, step time: 1.3327
Batch 122/248, train_loss: 0.3549, step time: 1.3126
Batch 123/248, train_loss: 0.1089, step time: 1.3444
Batch 124/248, train_loss: 0.2593, step time: 1.3475
Batch 125/248, train_loss: 0.5440, step time: 1.3184
Batch 126/248, train_loss: 0.4415, step time: 1.3413
Batch 127/248, train_loss: 0.0997, step time: 1.3380
Batch 128/248, train_loss: 0.1493, step time: 1.3221
Batch 129/248, train_loss: 0.0848, step time: 1.3167
Batch 130/248, train_loss: 0.0908, step time: 1.3293
Batch 131/248, train_loss: 0.3919, step time: 1.3228
Batch 132/248, train_loss: 0.1997, step time: 1.3481
Batch 133/248, train_loss: 0.1416, step time: 1.3206
Batch 134/248, train_loss: 0.8904, step time: 1.3225
Batch 135/248, train_loss: 0.2436, step time: 1.3198
Batch 136/248, train_loss: 0.1188, step time: 1.3316
Batch 137/248, train_loss: 0.1238, step time: 1.3155
Batch 138/248, train_loss: 0.0937, step time: 1.3236
Batch 139/248, train_loss: 0.1633, step time: 1.3399
Batch 140/248, train_loss: 0.2331, step time: 1.3278
Batch 141/248, train_loss: 0.1196, step time: 1.3238
Batch 142/248, train_loss: 0.4689, step time: 1.3183
Batch 143/248, train_loss: 0.2134, step time: 1.3133
Batch 144/248, train_loss: 0.1418, step time: 1.3233
Batch 145/248, train_loss: 0.0545, step time: 1.3191
Batch 146/248, train_loss: 0.4348, step time: 1.3538
Batch 147/248, train_loss: 0.0367, step time: 1.3398
Batch 148/248, train_loss: 0.9425, step time: 1.3184
Batch 149/248, train_loss: 0.1228, step time: 1.3351
Batch 150/248, train_loss: 0.5210, step time: 1.3267
Batch 151/248, train_loss: 0.2548, step time: 1.3463
Batch 152/248, train_loss: 0.0415, step time: 1.2960
Batch 153/248, train_loss: 0.3006, step time: 1.3184
Batch 154/248, train_loss: 0.6526, step time: 1.3392
Batch 155/248, train_loss: 0.1018, step time: 1.3360
Batch 156/248, train_loss: 0.1643, step time: 1.3408
Batch 157/248, train_loss: 0.3610, step time: 1.3159
Batch 158/248, train_loss: 0.9376, step time: 1.3328
Batch 159/248, train_loss: 0.4234, step time: 1.3178
Batch 160/248, train_loss: 0.0803, step time: 1.3113
Batch 161/248, train_loss: 0.0936, step time: 1.3224
Batch 162/248, train_loss: 0.0708, step time: 1.3291

```
-->-->-->-->-->-->-->-->-->-->-->
Batch 163/248, train_loss: 0.1061, step time: 1.3267
Batch 164/248, train_loss: 0.3825, step time: 1.3189
Batch 165/248, train_loss: 0.6164, step time: 1.3145
Batch 166/248, train_loss: 0.1070, step time: 1.3244
Batch 167/248, train_loss: 0.2240, step time: 1.3485
Batch 168/248, train_loss: 0.1688, step time: 1.3142
Batch 169/248, train_loss: 0.0809, step time: 1.3156
Batch 170/248, train_loss: 0.5647, step time: 1.3213
Batch 171/248, train_loss: 0.0777, step time: 1.3442
Batch 172/248, train_loss: 0.3880, step time: 1.3097
Batch 173/248, train_loss: 0.1285, step time: 1.3270
Batch 174/248, train_loss: 0.6616, step time: 1.3306
Batch 175/248, train_loss: 0.1084, step time: 1.3242
Batch 176/248, train_loss: 0.3637, step time: 1.3336
Batch 177/248, train_loss: 0.2403, step time: 1.3460
Batch 178/248, train_loss: 0.1960, step time: 1.3126
Batch 179/248, train_loss: 0.0695, step time: 1.3228
Batch 180/248, train_loss: 0.5966, step time: 1.3464
Batch 181/248, train_loss: 0.0824, step time: 1.3320
Batch 182/248, train_loss: 0.9086, step time: 1.3118
Batch 183/248, train_loss: 0.1310, step time: 1.3378
Batch 184/248, train_loss: 0.2793, step time: 1.3277
Batch 185/248, train_loss: 0.1072, step time: 1.3219
Batch 186/248, train_loss: 0.0943, step time: 1.3257
Batch 187/248, train_loss: 0.1795, step time: 1.3283
Batch 188/248, train_loss: 0.2134, step time: 1.3122
Batch 189/248, train_loss: 0.4865, step time: 1.3252
Batch 190/248, train_loss: 0.1142, step time: 1.3401
Batch 191/248, train_loss: 0.6346, step time: 1.3358
Batch 192/248, train_loss: 0.3193, step time: 1.3527
Batch 193/248, train_loss: 0.2248, step time: 1.3103
Batch 194/248, train_loss: 0.1000, step time: 1.3088
Batch 195/248, train_loss: 0.5957, step time: 1.3247
Batch 196/248, train_loss: 0.6181, step time: 1.3476
Batch 197/248, train_loss: 0.2147, step time: 1.3317
Batch 198/248, train_loss: 0.9638, step time: 1.3193
Batch 199/248, train_loss: 0.1493, step time: 1.3311
Batch 200/248, train_loss: 0.1205, step time: 1.3209
Batch 201/248, train_loss: 0.1088, step time: 1.3368
Batch 202/248, train_loss: 0.3937, step time: 1.3170
Batch 203/248, train_loss: 0.3881, step time: 1.3206
Batch 204/248, train_loss: 0.0833, step time: 1.3184
Batch 205/248, train_loss: 0.2531, step time: 1.3112
Batch 206/248, train_loss: 0.5079, step time: 1.3446
Batch 207/248, train_loss: 0.1075, step time: 1.3087
Batch 208/248, train_loss: 0.1311, step time: 1.3196
Batch 209/248, train_loss: 0.1387, step time: 1.3326
Batch 210/248, train_loss: 0.0597, step time: 1.3341
Batch 211/248, train_loss: 0.0651, step time: 1.3193
Batch 212/248, train_loss: 0.2082, step time: 1.3199
Batch 213/248, train_loss: 0.1527, step time: 1.3178
Batch 214/248, train_loss: 0.0775, step time: 1.3243
Batch 215/248, train_loss: 0.4098, step time: 1.3281
Batch 216/248, train_loss: 0.1877, step time: 1.3378
Batch 217/248, train_loss: 0.7160, step time: 1.3495
Batch 218/248, train_loss: 0.8241, step time: 1.3159
Batch 219/248, train_loss: 0.0674, step time: 1.3314
Batch 220/248, train_loss: 0.1984, step time: 1.3436
Batch 221/248, train_loss: 0.2874, step time: 1.3125
Batch 222/248, train_loss: 0.1788, step time: 1.3181
Batch 223/248, train_loss: 0.0509, step time: 1.3076
Batch 224/248, train_loss: 0.0847, step time: 1.3323
Batch 225/248, train_loss: 0.1995, step time: 1.3554
Batch 226/248, train_loss: 0.1113, step time: 1.3275
Batch 227/248, train_loss: 0.0916, step time: 1.3401
Batch 228/248, train_loss: 0.1490, step time: 1.3306
Batch 229/248, train_loss: 0.0937, step time: 1.3194
Batch 230/248, train_loss: 0.0975, step time: 1.3468
Batch 231/248, train_loss: 0.2708, step time: 1.3418
Batch 232/248, train_loss: 0.0828, step time: 1.3338
Batch 233/248, train_loss: 0.9447, step time: 1.3313
Batch 234/248, train_loss: 0.3783, step time: 1.3219
Batch 235/248, train_loss: 0.3042, step time: 1.3374
Batch 236/248, train_loss: 0.7058, step time: 1.3273
Batch 237/248, train_loss: 0.1274, step time: 1.3049
Batch 238/248, train_loss: 0.0923, step time: 1.3377
Batch 239/248, train_loss: 0.0650, step time: 1.3171
Batch 240/248, train_loss: 0.3788, step time: 1.3186
Batch 241/248, train_loss: 0.6922, step time: 1.3421
Batch 242/248, train_loss: 0.1509, step time: 1.3430
Batch 243/248, train_loss: 0.4750, step time: 1.3246
Batch 244/248, train_loss: 0.5043, step time: 1.3552
Batch 245/248, train_loss: 0.0633, step time: 1.3162
Batch 246/248, train_loss: 0.5609, step time: 1.3360
Batch 247/248, train_loss: 0.2861, step time: 1.3120
```

Batch 247/248, train_loss: 0.9999, step time: 1.2961

Labels



Predictions



VAL

Batch 1/31, val_loss: 0.8326

Batch 2/31, val_loss: 0.9892

Batch 3/31, val_loss: 0.9609

Batch 4/31, val_loss: 0.9406

Batch 5/31, val_loss: 0.9923

Batch 6/31, val_loss: 0.7014

Batch 7/31, val_loss: 0.8271

Batch 8/31, val_loss: 0.9379

Batch 9/31, val_loss: 0.6896

Batch 10/31, val_loss: 0.9131

Batch 11/31, val_loss: 0.8169

Batch 12/31, val_loss: 0.9752

Batch 13/31, val_loss: 0.9970

Batch 14/31, val_loss: 0.9461

Batch 15/31, val_loss: 0.9855

Batch 16/31, val_loss: 0.9717

Batch 17/31, val_loss: 0.9637

Batch 18/31, val_loss: 0.9313

Batch 19/31, val_loss: 0.7322

Batch 20/31, val_loss: 0.8541

Batch 21/31, val_loss: 0.8716

Batch 22/31, val_loss: 0.9547

Batch 23/31, val_loss: 0.9694

Batch 24/31, val_loss: 0.7336

Batch 25/31, val_loss: 0.7992

Batch 26/31, val_loss: 0.9233

Batch 27/31, val_loss: 0.9767

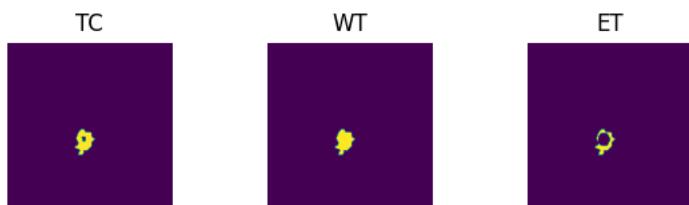
Batch 28/31, val_loss: 0.7439

Batch 29/31, val_loss: 0.9832

Batch 30/31, val_loss: 0.9617

Batch 31/31, val_loss: 0.9732

Labels



Predictions



epoch 63

average train loss: 0.2784

average validation loss: 0.8984

saved as best model: False

current mean dice: 0.5886

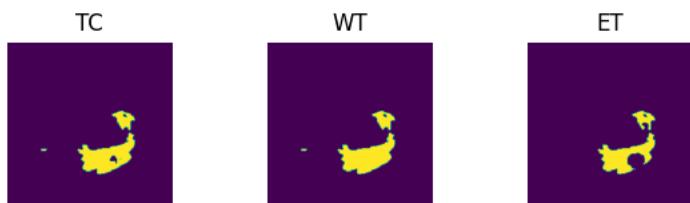
```
current TC dice: 0.6196
current WT dice: 0.6277
current ET dice: 0.5574
Best Mean Metric: 0.6100
time consuming of epoch 63 is: 1674.0421
-----
epoch 64/100
TRAIN
Batch 1/248, train_loss: 0.1210, step time: 1.3867
Batch 2/248, train_loss: 0.8636, step time: 1.3164
Batch 3/248, train_loss: 0.3600, step time: 1.3216
Batch 4/248, train_loss: 0.8784, step time: 1.3450
Batch 5/248, train_loss: 0.2068, step time: 1.3156
Batch 6/248, train_loss: 0.2396, step time: 1.3454
Batch 7/248, train_loss: 0.0577, step time: 1.3353
Batch 8/248, train_loss: 0.6858, step time: 1.3435
Batch 9/248, train_loss: 0.0415, step time: 1.3150
Batch 10/248, train_loss: 0.2436, step time: 1.3371
Batch 11/248, train_loss: 0.2049, step time: 1.3400
Batch 12/248, train_loss: 0.3528, step time: 1.3410
Batch 13/248, train_loss: 0.2694, step time: 1.3210
Batch 14/248, train_loss: 0.0568, step time: 1.3322
Batch 15/248, train_loss: 0.3250, step time: 1.3317
Batch 16/248, train_loss: 0.1330, step time: 1.3471
Batch 17/248, train_loss: 0.2087, step time: 1.3290
Batch 18/248, train_loss: 0.3625, step time: 1.3167
Batch 19/248, train_loss: 0.1846, step time: 1.3509
Batch 20/248, train_loss: 0.0940, step time: 1.3302
Batch 21/248, train_loss: 0.0475, step time: 1.3343
Batch 22/248, train_loss: 0.5167, step time: 1.3359
Batch 23/248, train_loss: 0.3530, step time: 1.3295
Batch 24/248, train_loss: 0.1037, step time: 1.3399
Batch 25/248, train_loss: 0.0705, step time: 1.3374
Batch 26/248, train_loss: 0.3855, step time: 1.3271
Batch 27/248, train_loss: 0.0743, step time: 1.3384
Batch 28/248, train_loss: 0.1576, step time: 1.3334
Batch 29/248, train_loss: 0.3569, step time: 1.3273
Batch 30/248, train_loss: 0.5392, step time: 1.3435
Batch 31/248, train_loss: 0.3445, step time: 1.3545
Batch 32/248, train_loss: 0.0705, step time: 1.3432
Batch 33/248, train_loss: 0.0687, step time: 1.3374
Batch 34/248, train_loss: 0.0453, step time: 1.3301
Batch 35/248, train_loss: 0.0725, step time: 1.3457
Batch 36/248, train_loss: 0.5312, step time: 1.3251
Batch 37/248, train_loss: 0.1301, step time: 1.3267
Batch 38/248, train_loss: 0.2680, step time: 1.3341
Batch 39/248, train_loss: 0.1630, step time: 1.3142
Batch 40/248, train_loss: 0.5775, step time: 1.3524
Batch 41/248, train_loss: 0.2284, step time: 1.3288
Batch 42/248, train_loss: 0.0748, step time: 1.3105
Batch 43/248, train_loss: 0.0475, step time: 1.3130
Batch 44/248, train_loss: 0.1427, step time: 1.3298
Batch 45/248, train_loss: 0.6479, step time: 1.3317
Batch 46/248, train_loss: 0.1592, step time: 1.3400
Batch 47/248, train_loss: 0.0733, step time: 1.3308
Batch 48/248, train_loss: 0.4443, step time: 1.3160
Batch 49/248, train_loss: 0.3557, step time: 1.3182
Batch 50/248, train_loss: 0.1154, step time: 1.3275
Batch 51/248, train_loss: 0.2225, step time: 1.3234
Batch 52/248, train_loss: 0.1029, step time: 1.3059
Batch 53/248, train_loss: 0.4055, step time: 1.3263
Batch 54/248, train_loss: 0.2521, step time: 1.3480
Batch 55/248, train_loss: 0.3544, step time: 1.3447
Batch 56/248, train_loss: 0.1723, step time: 1.3291
Batch 57/248, train_loss: 0.2225, step time: 1.3271
Batch 58/248, train_loss: 0.0699, step time: 1.3066
Batch 59/248, train_loss: 0.1037, step time: 1.3260
Batch 60/248, train_loss: 0.0762, step time: 1.3475
Batch 61/248, train_loss: 0.0823, step time: 1.3076
Batch 62/248, train_loss: 0.2206, step time: 1.3110
Batch 63/248, train_loss: 0.4151, step time: 1.3516
Batch 64/248, train_loss: 0.3493, step time: 1.3249
Batch 65/248, train_loss: 0.2232, step time: 1.3145
Batch 66/248, train_loss: 0.1096, step time: 1.3222
Batch 67/248, train_loss: 0.0654, step time: 1.3022
Batch 68/248, train_loss: 0.1134, step time: 1.3095
Batch 69/248, train_loss: 0.4274, step time: 1.3318
Batch 70/248, train_loss: 0.1582, step time: 1.3116
Batch 71/248, train_loss: 0.1851, step time: 1.3268
Batch 72/248, train_loss: 0.0482, step time: 1.3366
Batch 73/248, train_loss: 0.7365, step time: 1.3443
Batch 74/248, train_loss: 0.9781, step time: 1.3128
Batch 75/248, train_loss: 0.1082, step time: 1.3112
Batch 76/248, train_loss: 0.5862, step time: 1.3542
Batch 77/248, train_loss: 0.9584, step time: 1.3117
```

Batch 77/248, train_loss: 0.1550, step time: 1.3221
Batch 78/248, train_loss: 0.1703, step time: 1.3358
Batch 79/248, train_loss: 0.1583, step time: 1.3201
Batch 80/248, train_loss: 0.2011, step time: 1.3255
Batch 81/248, train_loss: 0.1644, step time: 1.3244
Batch 82/248, train_loss: 0.1032, step time: 1.3117
Batch 83/248, train_loss: 0.5907, step time: 1.3314
Batch 84/248, train_loss: 0.1889, step time: 1.3277
Batch 85/248, train_loss: 0.4343, step time: 1.3136
Batch 86/248, train_loss: 0.2668, step time: 1.3258
Batch 87/248, train_loss: 0.9977, step time: 1.3362
Batch 88/248, train_loss: 0.3590, step time: 1.3370
Batch 89/248, train_loss: 0.0882, step time: 1.3380
Batch 90/248, train_loss: 0.2720, step time: 1.3122
Batch 91/248, train_loss: 0.3450, step time: 1.3323
Batch 92/248, train_loss: 0.8995, step time: 1.3269
Batch 93/248, train_loss: 0.1732, step time: 1.3268
Batch 94/248, train_loss: 0.2075, step time: 1.3272
Batch 95/248, train_loss: 0.1640, step time: 1.3336
Batch 96/248, train_loss: 0.1787, step time: 1.3243
Batch 97/248, train_loss: 0.4791, step time: 1.3192
Batch 98/248, train_loss: 0.1722, step time: 1.3436
Batch 99/248, train_loss: 0.6006, step time: 1.3213
Batch 100/248, train_loss: 0.2900, step time: 1.3392
Batch 101/248, train_loss: 0.0452, step time: 1.3189
Batch 102/248, train_loss: 0.2219, step time: 1.3281
Batch 103/248, train_loss: 0.3126, step time: 1.3372
Batch 104/248, train_loss: 0.3652, step time: 1.3246
Batch 105/248, train_loss: 0.0853, step time: 1.3382
Batch 106/248, train_loss: 0.1291, step time: 1.3462
Batch 107/248, train_loss: 0.3607, step time: 1.3076
Batch 108/248, train_loss: 0.4723, step time: 1.3192
Batch 109/248, train_loss: 0.9577, step time: 1.3076
Batch 110/248, train_loss: 0.3797, step time: 1.3321
Batch 111/248, train_loss: 0.0940, step time: 1.3095
Batch 112/248, train_loss: 0.0956, step time: 1.3256
Batch 113/248, train_loss: 0.6376, step time: 1.3284
Batch 114/248, train_loss: 0.1114, step time: 1.3469
Batch 115/248, train_loss: 0.1672, step time: 1.3182
Batch 116/248, train_loss: 0.0644, step time: 1.3391
Batch 117/248, train_loss: 0.5419, step time: 1.3564
Batch 118/248, train_loss: 0.1345, step time: 1.3337
Batch 119/248, train_loss: 0.2860, step time: 1.3243
Batch 120/248, train_loss: 0.2007, step time: 1.3323
Batch 121/248, train_loss: 0.2679, step time: 1.3125
Batch 122/248, train_loss: 0.4165, step time: 1.3382
Batch 123/248, train_loss: 0.0629, step time: 1.3172
Batch 124/248, train_loss: 0.2825, step time: 1.3230
Batch 125/248, train_loss: 0.4629, step time: 1.3427
Batch 126/248, train_loss: 0.2469, step time: 1.3130
Batch 127/248, train_loss: 0.1009, step time: 1.3207
Batch 128/248, train_loss: 0.1925, step time: 1.3342
Batch 129/248, train_loss: 0.0775, step time: 1.3200
Batch 130/248, train_loss: 0.1144, step time: 1.3373
Batch 131/248, train_loss: 0.3971, step time: 1.3145
Batch 132/248, train_loss: 0.1424, step time: 1.3332
Batch 133/248, train_loss: 0.0825, step time: 1.3245
Batch 134/248, train_loss: 0.9582, step time: 1.3233
Batch 135/248, train_loss: 0.2158, step time: 1.3239
Batch 136/248, train_loss: 0.2304, step time: 1.3260
Batch 137/248, train_loss: 0.1118, step time: 1.3393
Batch 138/248, train_loss: 0.0958, step time: 1.3101
Batch 139/248, train_loss: 0.1493, step time: 1.3373
Batch 140/248, train_loss: 0.1820, step time: 1.3333
Batch 141/248, train_loss: 0.1553, step time: 1.3502
Batch 142/248, train_loss: 0.4904, step time: 1.3274
Batch 143/248, train_loss: 0.2647, step time: 1.3376
Batch 144/248, train_loss: 0.0910, step time: 1.3293
Batch 145/248, train_loss: 0.0500, step time: 1.3137
Batch 146/248, train_loss: 0.3360, step time: 1.3359
Batch 147/248, train_loss: 0.0369, step time: 1.3258
Batch 148/248, train_loss: 0.5128, step time: 1.3220
Batch 149/248, train_loss: 0.1271, step time: 1.3180
Batch 150/248, train_loss: 0.5763, step time: 1.3081
Batch 151/248, train_loss: 0.2159, step time: 1.3237
Batch 152/248, train_loss: 0.0351, step time: 1.2992
Batch 153/248, train_loss: 0.1988, step time: 1.3231
Batch 154/248, train_loss: 0.5112, step time: 1.3294
Batch 155/248, train_loss: 0.0822, step time: 1.3149
Batch 156/248, train_loss: 0.1883, step time: 1.3192
Batch 157/248, train_loss: 0.3493, step time: 1.3167
Batch 158/248, train_loss: 0.8227, step time: 1.3409
Batch 159/248, train_loss: 0.3342, step time: 1.3351
Batch 160/248, train_loss: 0.0994, step time: 1.3062
Batch 161/248, train_loss: 0.0849, step time: 1.3377

Batch 162/248, train_loss: 0.1127, step time: 1.3108
Batch 163/248, train_loss: 0.1186, step time: 1.3254
Batch 164/248, train_loss: 0.3757, step time: 1.3238
Batch 165/248, train_loss: 0.5156, step time: 1.3399
Batch 166/248, train_loss: 0.1243, step time: 1.3164
Batch 167/248, train_loss: 0.1630, step time: 1.3067
Batch 168/248, train_loss: 0.1319, step time: 1.3326
Batch 169/248, train_loss: 0.1124, step time: 1.3179
Batch 170/248, train_loss: 0.5457, step time: 1.3207
Batch 171/248, train_loss: 0.0698, step time: 1.3374
Batch 172/248, train_loss: 0.3501, step time: 1.3441
Batch 173/248, train_loss: 0.0866, step time: 1.3305
Batch 174/248, train_loss: 0.5144, step time: 1.3386
Batch 175/248, train_loss: 0.2250, step time: 1.3167
Batch 176/248, train_loss: 0.3684, step time: 1.3484
Batch 177/248, train_loss: 0.3359, step time: 1.3283
Batch 178/248, train_loss: 0.2220, step time: 1.3166
Batch 179/248, train_loss: 0.0677, step time: 1.3171
Batch 180/248, train_loss: 0.3827, step time: 1.3177
Batch 181/248, train_loss: 0.1025, step time: 1.3124
Batch 182/248, train_loss: 0.9189, step time: 1.3449
Batch 183/248, train_loss: 0.0949, step time: 1.3323
Batch 184/248, train_loss: 0.2088, step time: 1.3418
Batch 185/248, train_loss: 0.0857, step time: 1.3507
Batch 186/248, train_loss: 0.0812, step time: 1.3243
Batch 187/248, train_loss: 0.1608, step time: 1.3430
Batch 188/248, train_loss: 0.1962, step time: 1.3421
Batch 189/248, train_loss: 0.4358, step time: 1.3353
Batch 190/248, train_loss: 0.1116, step time: 1.3179
Batch 191/248, train_loss: 0.6637, step time: 1.3170
Batch 192/248, train_loss: 0.2571, step time: 1.3230
Batch 193/248, train_loss: 0.2251, step time: 1.3275
Batch 194/248, train_loss: 0.1067, step time: 1.3267
Batch 195/248, train_loss: 0.6338, step time: 1.3432
Batch 196/248, train_loss: 0.6484, step time: 1.3231
Batch 197/248, train_loss: 0.1647, step time: 1.3388
Batch 198/248, train_loss: 0.7730, step time: 1.3288
Batch 199/248, train_loss: 0.1362, step time: 1.3103
Batch 200/248, train_loss: 0.1223, step time: 1.3148
Batch 201/248, train_loss: 0.1168, step time: 1.3392
Batch 202/248, train_loss: 0.4145, step time: 1.3170
Batch 203/248, train_loss: 0.3279, step time: 1.3217
Batch 204/248, train_loss: 0.1035, step time: 1.3125
Batch 205/248, train_loss: 0.2566, step time: 1.3329
Batch 206/248, train_loss: 0.6582, step time: 1.3135
Batch 207/248, train_loss: 0.0560, step time: 1.3125
Batch 208/248, train_loss: 0.1105, step time: 1.3388
Batch 209/248, train_loss: 0.1795, step time: 1.3162
Batch 210/248, train_loss: 0.0756, step time: 1.3505
Batch 211/248, train_loss: 0.1146, step time: 1.3373
Batch 212/248, train_loss: 0.2323, step time: 1.3295
Batch 213/248, train_loss: 0.1834, step time: 1.3164
Batch 214/248, train_loss: 0.0790, step time: 1.3240
Batch 215/248, train_loss: 0.3605, step time: 1.3548
Batch 216/248, train_loss: 0.2352, step time: 1.3330
Batch 217/248, train_loss: 0.3570, step time: 1.3399
Batch 218/248, train_loss: 0.7847, step time: 1.3316
Batch 219/248, train_loss: 0.0806, step time: 1.3210
Batch 220/248, train_loss: 0.2332, step time: 1.3374
Batch 221/248, train_loss: 0.2459, step time: 1.3118
Batch 222/248, train_loss: 0.2470, step time: 1.3483
Batch 223/248, train_loss: 0.0433, step time: 1.3465
Batch 224/248, train_loss: 0.1004, step time: 1.3080
Batch 225/248, train_loss: 0.4192, step time: 1.3531
Batch 226/248, train_loss: 0.1504, step time: 1.3131
Batch 227/248, train_loss: 0.0874, step time: 1.3138
Batch 228/248, train_loss: 0.1375, step time: 1.3439
Batch 229/248, train_loss: 0.0960, step time: 1.3177
Batch 230/248, train_loss: 0.0694, step time: 1.3281
Batch 231/248, train_loss: 0.3416, step time: 1.3177
Batch 232/248, train_loss: 0.0905, step time: 1.3259
Batch 233/248, train_loss: 0.9160, step time: 1.3273
Batch 234/248, train_loss: 0.4147, step time: 1.3425
Batch 235/248, train_loss: 0.2365, step time: 1.3496
Batch 236/248, train_loss: 0.7586, step time: 1.3232
Batch 237/248, train_loss: 0.1244, step time: 1.3214
Batch 238/248, train_loss: 0.0864, step time: 1.3127
Batch 239/248, train_loss: 0.0609, step time: 1.3316
Batch 240/248, train_loss: 0.3630, step time: 1.3416
Batch 241/248, train_loss: 0.6730, step time: 1.3309
Batch 242/248, train_loss: 0.1292, step time: 1.3148
Batch 243/248, train_loss: 0.4473, step time: 1.3486
Batch 244/248, train_loss: 0.3660, step time: 1.3238
Batch 245/248, train_loss: 0.0708, step time: 1.3182
Batch 246/248, train_loss: 0.5879, step time: 1.3377

Batch 247/248, train_loss: 0.0623, step time: 1.3268
Batch 248/248, train_loss: 0.9998, step time: 1.3044

Labels



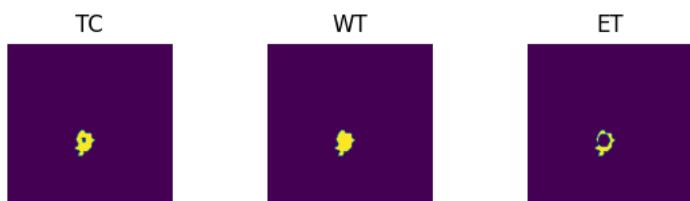
Predictions



VAL

Batch 1/31, val_loss: 0.8376
Batch 2/31, val_loss: 0.9890
Batch 3/31, val_loss: 0.9605
Batch 4/31, val_loss: 0.9404
Batch 5/31, val_loss: 0.9920
Batch 6/31, val_loss: 0.6888
Batch 7/31, val_loss: 0.8206
Batch 8/31, val_loss: 0.9424
Batch 9/31, val_loss: 0.6892
Batch 10/31, val_loss: 0.9142
Batch 11/31, val_loss: 0.8192
Batch 12/31, val_loss: 0.9800
Batch 13/31, val_loss: 0.9973
Batch 14/31, val_loss: 0.9572
Batch 15/31, val_loss: 0.9848
Batch 16/31, val_loss: 0.9711
Batch 17/31, val_loss: 0.9640
Batch 18/31, val_loss: 0.9449
Batch 19/31, val_loss: 0.7361
Batch 20/31, val_loss: 0.8487
Batch 21/31, val_loss: 0.8706
Batch 22/31, val_loss: 0.9583
Batch 23/31, val_loss: 0.9714
Batch 24/31, val_loss: 0.7352
Batch 25/31, val_loss: 0.7977
Batch 26/31, val_loss: 0.9242
Batch 27/31, val_loss: 0.9754
Batch 28/31, val_loss: 0.7445
Batch 29/31, val_loss: 0.9822
Batch 30/31, val_loss: 0.9632
Batch 31/31, val_loss: 0.9755

Labels



Predictions



epoch 64

average train loss: 0.2764
average validation loss: 0.8992
saved as best model: False
current mean dice: 0.5971

current mean dice: 0.5871
current TC dice: 0.6174
current WT dice: 0.6233
current ET dice: 0.5578
Best Mean Metric: 0.6100
time consuming of epoch 64 is: 1700.4138

epoch 65/100
TRAIN

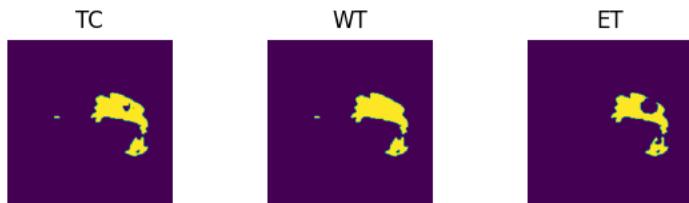
Batch 1/248, train_loss: 0.0732, step time: 1.3829
Batch 2/248, train_loss: 0.6866, step time: 1.3443
Batch 3/248, train_loss: 0.3197, step time: 1.3204
Batch 4/248, train_loss: 0.9007, step time: 1.3468
Batch 5/248, train_loss: 0.2172, step time: 1.3338
Batch 6/248, train_loss: 0.3156, step time: 1.3192
Batch 7/248, train_loss: 0.0752, step time: 1.3169
Batch 8/248, train_loss: 0.7198, step time: 1.3302
Batch 9/248, train_loss: 0.0378, step time: 1.3172
Batch 10/248, train_loss: 0.2066, step time: 1.3197
Batch 11/248, train_loss: 0.1690, step time: 1.3406
Batch 12/248, train_loss: 0.2944, step time: 1.3322
Batch 13/248, train_loss: 0.2641, step time: 1.3481
Batch 14/248, train_loss: 0.0462, step time: 1.3222
Batch 15/248, train_loss: 0.3177, step time: 1.3134
Batch 16/248, train_loss: 0.1412, step time: 1.3221
Batch 17/248, train_loss: 0.2271, step time: 1.3386
Batch 18/248, train_loss: 0.2951, step time: 1.3459
Batch 19/248, train_loss: 0.0942, step time: 1.3101
Batch 20/248, train_loss: 0.1885, step time: 1.3483
Batch 21/248, train_loss: 0.0540, step time: 1.3407
Batch 22/248, train_loss: 0.5477, step time: 1.3471
Batch 23/248, train_loss: 0.5656, step time: 1.3151
Batch 24/248, train_loss: 0.0760, step time: 1.3123
Batch 25/248, train_loss: 0.0500, step time: 1.3278
Batch 26/248, train_loss: 0.3607, step time: 1.3354
Batch 27/248, train_loss: 0.0645, step time: 1.3334
Batch 28/248, train_loss: 0.1671, step time: 1.3381
Batch 29/248, train_loss: 0.3459, step time: 1.3371
Batch 30/248, train_loss: 0.1992, step time: 1.3130
Batch 31/248, train_loss: 0.2431, step time: 1.3063
Batch 32/248, train_loss: 0.0667, step time: 1.3308
Batch 33/248, train_loss: 0.0599, step time: 1.3239
Batch 34/248, train_loss: 0.0414, step time: 1.3146
Batch 35/248, train_loss: 0.0643, step time: 1.3432
Batch 36/248, train_loss: 0.4800, step time: 1.3429
Batch 37/248, train_loss: 0.1836, step time: 1.3381
Batch 38/248, train_loss: 0.2787, step time: 1.3359
Batch 39/248, train_loss: 0.1583, step time: 1.3200
Batch 40/248, train_loss: 0.6564, step time: 1.3468
Batch 41/248, train_loss: 0.2065, step time: 1.3344
Batch 42/248, train_loss: 0.0637, step time: 1.3328
Batch 43/248, train_loss: 0.0482, step time: 1.3121
Batch 44/248, train_loss: 0.1805, step time: 1.3421
Batch 45/248, train_loss: 0.6041, step time: 1.3241
Batch 46/248, train_loss: 0.1385, step time: 1.3347
Batch 47/248, train_loss: 0.0785, step time: 1.3349
Batch 48/248, train_loss: 0.2574, step time: 1.3123
Batch 49/248, train_loss: 0.4661, step time: 1.3409
Batch 50/248, train_loss: 0.1184, step time: 1.3102
Batch 51/248, train_loss: 0.2397, step time: 1.3342
Batch 52/248, train_loss: 0.1141, step time: 1.3058
Batch 53/248, train_loss: 0.3613, step time: 1.3268
Batch 54/248, train_loss: 0.2469, step time: 1.3305
Batch 55/248, train_loss: 0.2492, step time: 1.3345
Batch 56/248, train_loss: 0.1928, step time: 1.3322
Batch 57/248, train_loss: 0.2633, step time: 1.3260
Batch 58/248, train_loss: 0.0691, step time: 1.2954
Batch 59/248, train_loss: 0.0739, step time: 1.3108
Batch 60/248, train_loss: 0.0617, step time: 1.3277
Batch 61/248, train_loss: 0.0828, step time: 1.3080
Batch 62/248, train_loss: 0.2040, step time: 1.3133
Batch 63/248, train_loss: 0.3966, step time: 1.3403
Batch 64/248, train_loss: 0.4529, step time: 1.3423
Batch 65/248, train_loss: 0.2403, step time: 1.3490
Batch 66/248, train_loss: 0.1347, step time: 1.3512
Batch 67/248, train_loss: 0.0690, step time: 1.3253
Batch 68/248, train_loss: 0.0882, step time: 1.3232
Batch 69/248, train_loss: 0.4787, step time: 1.3428
Batch 70/248, train_loss: 0.1783, step time: 1.3356
Batch 71/248, train_loss: 0.1204, step time: 1.3322
Batch 72/248, train_loss: 0.0557, step time: 1.3067
Batch 73/248, train_loss: 0.0792, step time: 1.3028
Batch 74/248, train_loss: 0.7306, step time: 1.3429
Batch 75/248, train_loss: 0.1031, step time: 1.3136
Batch 76/248, train_loss: 0.5259, step time: 1.3253

Batch 77/248, train_loss: 0.7371, step time: 1.3430
Batch 78/248, train_loss: 0.0922, step time: 1.3364
Batch 79/248, train_loss: 0.1333, step time: 1.3342
Batch 80/248, train_loss: 0.1893, step time: 1.3415
Batch 81/248, train_loss: 0.2868, step time: 1.3155
Batch 82/248, train_loss: 0.0818, step time: 1.3109
Batch 83/248, train_loss: 0.5196, step time: 1.3299
Batch 84/248, train_loss: 0.3368, step time: 1.3232
Batch 85/248, train_loss: 0.3533, step time: 1.3438
Batch 86/248, train_loss: 0.2090, step time: 1.3152
Batch 87/248, train_loss: 0.9761, step time: 1.3493
Batch 88/248, train_loss: 0.2991, step time: 1.3347
Batch 89/248, train_loss: 0.0647, step time: 1.3203
Batch 90/248, train_loss: 0.2062, step time: 1.3224
Batch 91/248, train_loss: 0.3350, step time: 1.3043
Batch 92/248, train_loss: 0.6352, step time: 1.3110
Batch 93/248, train_loss: 0.1342, step time: 1.3118
Batch 94/248, train_loss: 0.3083, step time: 1.3498
Batch 95/248, train_loss: 0.1616, step time: 1.3048
Batch 96/248, train_loss: 0.1254, step time: 1.3143
Batch 97/248, train_loss: 0.4721, step time: 1.3264
Batch 98/248, train_loss: 0.0996, step time: 1.3273
Batch 99/248, train_loss: 0.3935, step time: 1.3205
Batch 100/248, train_loss: 0.2555, step time: 1.3441
Batch 101/248, train_loss: 0.0508, step time: 1.3419
Batch 102/248, train_loss: 0.0993, step time: 1.3285
Batch 103/248, train_loss: 0.3117, step time: 1.3437
Batch 104/248, train_loss: 0.2662, step time: 1.3277
Batch 105/248, train_loss: 0.0766, step time: 1.3278
Batch 106/248, train_loss: 0.1090, step time: 1.3124
Batch 107/248, train_loss: 0.3130, step time: 1.3223
Batch 108/248, train_loss: 0.6943, step time: 1.3338
Batch 109/248, train_loss: 0.9844, step time: 1.3248
Batch 110/248, train_loss: 0.3428, step time: 1.3213
Batch 111/248, train_loss: 0.0789, step time: 1.3074
Batch 112/248, train_loss: 0.1605, step time: 1.3361
Batch 113/248, train_loss: 0.4559, step time: 1.3409
Batch 114/248, train_loss: 0.1317, step time: 1.3252
Batch 115/248, train_loss: 0.1367, step time: 1.3132
Batch 116/248, train_loss: 0.0802, step time: 1.3272
Batch 117/248, train_loss: 0.6143, step time: 1.3205
Batch 118/248, train_loss: 0.5409, step time: 1.3274
Batch 119/248, train_loss: 0.3408, step time: 1.3264
Batch 120/248, train_loss: 0.2693, step time: 1.3155
Batch 121/248, train_loss: 0.2793, step time: 1.3409
Batch 122/248, train_loss: 0.3926, step time: 1.3363
Batch 123/248, train_loss: 0.0491, step time: 1.3169
Batch 124/248, train_loss: 0.2741, step time: 1.3436
Batch 125/248, train_loss: 0.5233, step time: 1.3231
Batch 126/248, train_loss: 0.1705, step time: 1.3072
Batch 127/248, train_loss: 0.1012, step time: 1.3403
Batch 128/248, train_loss: 0.1434, step time: 1.3047
Batch 129/248, train_loss: 0.0821, step time: 1.3280
Batch 130/248, train_loss: 0.0909, step time: 1.3214
Batch 131/248, train_loss: 0.4240, step time: 1.3465
Batch 132/248, train_loss: 0.2273, step time: 1.3232
Batch 133/248, train_loss: 0.2134, step time: 1.3446
Batch 134/248, train_loss: 0.9475, step time: 1.3543
Batch 135/248, train_loss: 0.1857, step time: 1.3439
Batch 136/248, train_loss: 0.1491, step time: 1.3449
Batch 137/248, train_loss: 0.1265, step time: 1.3121
Batch 138/248, train_loss: 0.0728, step time: 1.3349
Batch 139/248, train_loss: 0.1173, step time: 1.3400
Batch 140/248, train_loss: 0.1569, step time: 1.3101
Batch 141/248, train_loss: 0.1255, step time: 1.3142
Batch 142/248, train_loss: 0.5794, step time: 1.3528
Batch 143/248, train_loss: 0.2288, step time: 1.3138
Batch 144/248, train_loss: 0.1316, step time: 1.3196
Batch 145/248, train_loss: 0.0733, step time: 1.3465
Batch 146/248, train_loss: 0.3297, step time: 1.3481
Batch 147/248, train_loss: 0.0459, step time: 1.3424
Batch 148/248, train_loss: 0.5445, step time: 1.3489
Batch 149/248, train_loss: 0.1091, step time: 1.3336
Batch 150/248, train_loss: 0.5498, step time: 1.3211
Batch 151/248, train_loss: 0.2226, step time: 1.3268
Batch 152/248, train_loss: 0.0373, step time: 1.3345
Batch 153/248, train_loss: 0.1594, step time: 1.3106
Batch 154/248, train_loss: 0.5243, step time: 1.3273
Batch 155/248, train_loss: 0.0853, step time: 1.3362
Batch 156/248, train_loss: 0.1400, step time: 1.3322
Batch 157/248, train_loss: 0.2660, step time: 1.3139
Batch 158/248, train_loss: 0.9273, step time: 1.3273
Batch 159/248, train_loss: 0.3555, step time: 1.3477
Batch 160/248, train_loss: 0.0743, step time: 1.3424
Batch 161/248, train_loss: 0.0783, step time: 1.3128

Batch 162/248, train_loss: 0.0688, step time: 1.3433
Batch 163/248, train_loss: 0.1216, step time: 1.3432
Batch 164/248, train_loss: 0.2833, step time: 1.3200
Batch 165/248, train_loss: 0.7701, step time: 1.3433
Batch 166/248, train_loss: 0.1073, step time: 1.3257
Batch 167/248, train_loss: 0.1583, step time: 1.3217
Batch 168/248, train_loss: 0.1243, step time: 1.3012
Batch 169/248, train_loss: 0.0972, step time: 1.3303
Batch 170/248, train_loss: 0.5099, step time: 1.3123
Batch 171/248, train_loss: 0.0795, step time: 1.3174
Batch 172/248, train_loss: 0.3692, step time: 1.3191
Batch 173/248, train_loss: 0.1041, step time: 1.3145
Batch 174/248, train_loss: 0.4179, step time: 1.3436
Batch 175/248, train_loss: 0.1077, step time: 1.3126
Batch 176/248, train_loss: 0.3374, step time: 1.3184
Batch 177/248, train_loss: 0.2585, step time: 1.3472
Batch 178/248, train_loss: 0.2445, step time: 1.3364
Batch 179/248, train_loss: 0.0798, step time: 1.3341
Batch 180/248, train_loss: 0.3503, step time: 1.3184
Batch 181/248, train_loss: 0.0786, step time: 1.3055
Batch 182/248, train_loss: 0.8829, step time: 1.3346
Batch 183/248, train_loss: 0.0862, step time: 1.3417
Batch 184/248, train_loss: 0.2277, step time: 1.3129
Batch 185/248, train_loss: 0.0977, step time: 1.3388
Batch 186/248, train_loss: 0.0860, step time: 1.3102
Batch 187/248, train_loss: 0.1597, step time: 1.3260
Batch 188/248, train_loss: 0.2327, step time: 1.3451
Batch 189/248, train_loss: 0.4946, step time: 1.3137
Batch 190/248, train_loss: 0.1160, step time: 1.3096
Batch 191/248, train_loss: 0.5987, step time: 1.3244
Batch 192/248, train_loss: 0.2927, step time: 1.3297
Batch 193/248, train_loss: 0.2791, step time: 1.3382
Batch 194/248, train_loss: 0.0871, step time: 1.3211
Batch 195/248, train_loss: 0.5803, step time: 1.3323
Batch 196/248, train_loss: 0.5630, step time: 1.3507
Batch 197/248, train_loss: 0.1658, step time: 1.3236
Batch 198/248, train_loss: 0.5306, step time: 1.3237
Batch 199/248, train_loss: 0.1461, step time: 1.3313
Batch 200/248, train_loss: 0.1318, step time: 1.3095
Batch 201/248, train_loss: 0.1107, step time: 1.3197
Batch 202/248, train_loss: 0.4160, step time: 1.3346
Batch 203/248, train_loss: 0.3578, step time: 1.3143
Batch 204/248, train_loss: 0.0765, step time: 1.3326
Batch 205/248, train_loss: 0.2538, step time: 1.3256
Batch 206/248, train_loss: 0.5513, step time: 1.3554
Batch 207/248, train_loss: 0.1080, step time: 1.3346
Batch 208/248, train_loss: 0.1349, step time: 1.3145
Batch 209/248, train_loss: 0.1307, step time: 1.3123
Batch 210/248, train_loss: 0.0627, step time: 1.3368
Batch 211/248, train_loss: 0.0654, step time: 1.3141
Batch 212/248, train_loss: 0.2310, step time: 1.3069
Batch 213/248, train_loss: 0.1654, step time: 1.3199
Batch 214/248, train_loss: 0.0845, step time: 1.3319
Batch 215/248, train_loss: 0.3212, step time: 1.3282
Batch 216/248, train_loss: 0.1951, step time: 1.3455
Batch 217/248, train_loss: 0.3356, step time: 1.3357
Batch 218/248, train_loss: 0.7576, step time: 1.3247
Batch 219/248, train_loss: 0.0863, step time: 1.3109
Batch 220/248, train_loss: 0.1863, step time: 1.3037
Batch 221/248, train_loss: 0.2570, step time: 1.3129
Batch 222/248, train_loss: 0.2180, step time: 1.3509
Batch 223/248, train_loss: 0.0454, step time: 1.3383
Batch 224/248, train_loss: 0.0782, step time: 1.3068
Batch 225/248, train_loss: 0.2305, step time: 1.3476
Batch 226/248, train_loss: 0.1171, step time: 1.3130
Batch 227/248, train_loss: 0.0842, step time: 1.3143
Batch 228/248, train_loss: 0.2903, step time: 1.3263
Batch 229/248, train_loss: 0.0846, step time: 1.3260
Batch 230/248, train_loss: 0.0617, step time: 1.3318
Batch 231/248, train_loss: 0.2646, step time: 1.3329
Batch 232/248, train_loss: 0.0883, step time: 1.3296
Batch 233/248, train_loss: 0.9237, step time: 1.3230
Batch 234/248, train_loss: 0.4311, step time: 1.3183
Batch 235/248, train_loss: 0.2071, step time: 1.3295
Batch 236/248, train_loss: 0.6836, step time: 1.3350
Batch 237/248, train_loss: 0.1129, step time: 1.3338
Batch 238/248, train_loss: 0.0919, step time: 1.3090
Batch 239/248, train_loss: 0.0573, step time: 1.3141
Batch 240/248, train_loss: 0.2627, step time: 1.3502
Batch 241/248, train_loss: 0.7036, step time: 1.3435
Batch 242/248, train_loss: 0.1419, step time: 1.3286
Batch 243/248, train_loss: 0.4171, step time: 1.3249
Batch 244/248, train_loss: 0.3959, step time: 1.3400
Batch 245/248, train_loss: 0.0895, step time: 1.3360
Batch 246/248, train_loss: 0.5909, step time: 1.3406

```
Batch 247/248, train_loss: 0.0684, step time: 1.3404
Batch 248/248, train_loss: 0.9996, step time: 1.3233
```

Labels



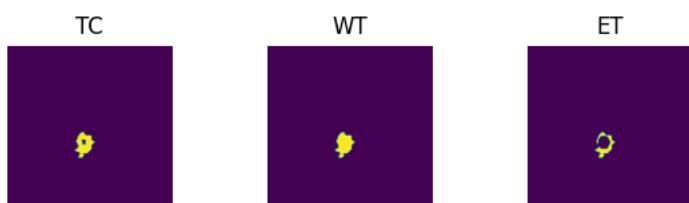
Predictions



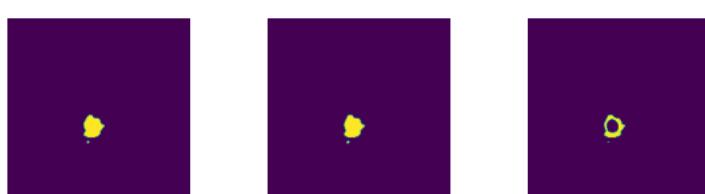
VAL

```
Batch 1/31, val_loss: 0.8322
Batch 2/31, val_loss: 0.9902
Batch 3/31, val_loss: 0.9609
Batch 4/31, val_loss: 0.9410
Batch 5/31, val_loss: 0.9920
Batch 6/31, val_loss: 0.6879
Batch 7/31, val_loss: 0.8174
Batch 8/31, val_loss: 0.9451
Batch 9/31, val_loss: 0.6888
Batch 10/31, val_loss: 0.9087
Batch 11/31, val_loss: 0.8163
Batch 12/31, val_loss: 0.9776
Batch 13/31, val_loss: 0.9927
Batch 14/31, val_loss: 0.9541
Batch 15/31, val_loss: 0.9847
Batch 16/31, val_loss: 0.9713
Batch 17/31, val_loss: 0.9645
Batch 18/31, val_loss: 0.9327
Batch 19/31, val_loss: 0.7324
Batch 20/31, val_loss: 0.8424
Batch 21/31, val_loss: 0.8699
Batch 22/31, val_loss: 0.9577
Batch 23/31, val_loss: 0.9705
Batch 24/31, val_loss: 0.7348
Batch 25/31, val_loss: 0.7975
Batch 26/31, val_loss: 0.9234
Batch 27/31, val_loss: 0.9745
Batch 28/31, val_loss: 0.7475
Batch 29/31, val_loss: 0.9818
Batch 30/31, val_loss: 0.9595
Batch 31/31, val_loss: 0.9724
```

Labels



Predictions



epoch 65

```
average train loss: 0.2623
average validation loss: 0.8975
saved as best model: False
```

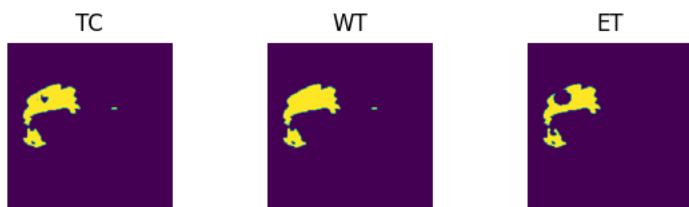
```
current mean dice: 0.5958
current TC dice: 0.6271
current WT dice: 0.6337
current ET dice: 0.5612
Best Mean Metric: 0.6100
time consuming of epoch 65 is: 1715.9679
-----
epoch 66/100
TRAIN
Batch 1/248, train_loss: 0.0655, step time: 1.3833
Batch 2/248, train_loss: 0.7080, step time: 1.3416
Batch 3/248, train_loss: 0.3302, step time: 1.3307
Batch 4/248, train_loss: 0.9969, step time: 1.3363
Batch 5/248, train_loss: 0.2349, step time: 1.3344
Batch 6/248, train_loss: 0.1849, step time: 1.3444
Batch 7/248, train_loss: 0.0713, step time: 1.3215
Batch 8/248, train_loss: 0.6582, step time: 1.3352
Batch 9/248, train_loss: 0.0351, step time: 1.3188
Batch 10/248, train_loss: 0.2138, step time: 1.3459
Batch 11/248, train_loss: 0.1628, step time: 1.3273
Batch 12/248, train_loss: 0.2924, step time: 1.3372
Batch 13/248, train_loss: 0.2390, step time: 1.3348
Batch 14/248, train_loss: 0.0474, step time: 1.3344
Batch 15/248, train_loss: 0.3238, step time: 1.3121
Batch 16/248, train_loss: 0.1496, step time: 1.3181
Batch 17/248, train_loss: 0.2041, step time: 1.3411
Batch 18/248, train_loss: 0.2522, step time: 1.3383
Batch 19/248, train_loss: 0.1303, step time: 1.3447
Batch 20/248, train_loss: 0.0728, step time: 1.3314
Batch 21/248, train_loss: 0.0423, step time: 1.3180
Batch 22/248, train_loss: 0.4811, step time: 1.3191
Batch 23/248, train_loss: 0.3468, step time: 1.3256
Batch 24/248, train_loss: 0.0815, step time: 1.3511
Batch 25/248, train_loss: 0.0514, step time: 1.3248
Batch 26/248, train_loss: 0.3786, step time: 1.3288
Batch 27/248, train_loss: 0.0619, step time: 1.3316
Batch 28/248, train_loss: 0.1544, step time: 1.3224
Batch 29/248, train_loss: 0.3172, step time: 1.3376
Batch 30/248, train_loss: 0.2119, step time: 1.3113
Batch 31/248, train_loss: 0.5760, step time: 1.3438
Batch 32/248, train_loss: 0.0607, step time: 1.3179
Batch 33/248, train_loss: 0.0717, step time: 1.3394
Batch 34/248, train_loss: 0.0410, step time: 1.3205
Batch 35/248, train_loss: 0.0678, step time: 1.3268
Batch 36/248, train_loss: 0.4172, step time: 1.3296
Batch 37/248, train_loss: 0.1568, step time: 1.3437
Batch 38/248, train_loss: 0.3164, step time: 1.3485
Batch 39/248, train_loss: 0.1786, step time: 1.3410
Batch 40/248, train_loss: 0.6871, step time: 1.3255
Batch 41/248, train_loss: 0.1637, step time: 1.3226
Batch 42/248, train_loss: 0.0740, step time: 1.3324
Batch 43/248, train_loss: 0.0469, step time: 1.3239
Batch 44/248, train_loss: 0.1235, step time: 1.3388
Batch 45/248, train_loss: 0.6496, step time: 1.3214
Batch 46/248, train_loss: 0.1505, step time: 1.3330
Batch 47/248, train_loss: 0.0737, step time: 1.3433
Batch 48/248, train_loss: 0.1794, step time: 1.3379
Batch 49/248, train_loss: 0.3737, step time: 1.3112
Batch 50/248, train_loss: 0.1223, step time: 1.3295
Batch 51/248, train_loss: 0.1225, step time: 1.3023
Batch 52/248, train_loss: 0.1193, step time: 1.3306
Batch 53/248, train_loss: 0.3674, step time: 1.3127
Batch 54/248, train_loss: 0.2529, step time: 1.3140
Batch 55/248, train_loss: 0.2567, step time: 1.3295
Batch 56/248, train_loss: 0.1492, step time: 1.3434
Batch 57/248, train_loss: 0.2170, step time: 1.3472
Batch 58/248, train_loss: 0.0674, step time: 1.3064
Batch 59/248, train_loss: 0.0806, step time: 1.3073
Batch 60/248, train_loss: 0.0651, step time: 1.3239
Batch 61/248, train_loss: 0.1172, step time: 1.3097
Batch 62/248, train_loss: 0.2110, step time: 1.3128
Batch 63/248, train_loss: 0.3855, step time: 1.3160
Batch 64/248, train_loss: 0.3817, step time: 1.3358
Batch 65/248, train_loss: 0.2661, step time: 1.3134
Batch 66/248, train_loss: 0.1324, step time: 1.3249
Batch 67/248, train_loss: 0.0694, step time: 1.3062
Batch 68/248, train_loss: 0.1259, step time: 1.3139
Batch 69/248, train_loss: 0.5241, step time: 1.3309
Batch 70/248, train_loss: 0.1763, step time: 1.3190
Batch 71/248, train_loss: 0.1370, step time: 1.3269
Batch 72/248, train_loss: 0.0583, step time: 1.3246
Batch 73/248, train_loss: 0.5377, step time: 1.3206
Batch 74/248, train_loss: 0.8485, step time: 1.3331
Batch 75/248, train_loss: 0.1063, step time: 1.3169
Batch 76/248, train_loss: 0.5000, step time: 1.3453
```

Batch 77/248, train_loss: 0.9896, step time: 1.3189
Batch 78/248, train_loss: 0.2631, step time: 1.3358
Batch 79/248, train_loss: 0.4606, step time: 1.3286
Batch 80/248, train_loss: 0.9263, step time: 1.3293
Batch 81/248, train_loss: 0.9077, step time: 1.3072
Batch 82/248, train_loss: 0.5512, step time: 1.3416
Batch 83/248, train_loss: 0.9779, step time: 1.3075
Batch 84/248, train_loss: 0.6931, step time: 1.3367
Batch 85/248, train_loss: 0.9944, step time: 1.3138
Batch 86/248, train_loss: 0.6744, step time: 1.3319
Batch 87/248, train_loss: 0.9864, step time: 1.3186
Batch 88/248, train_loss: 0.9286, step time: 1.3334
Batch 89/248, train_loss: 0.2244, step time: 1.3211
Batch 90/248, train_loss: 0.8240, step time: 1.3212
Batch 91/248, train_loss: 0.9439, step time: 1.3403
Batch 92/248, train_loss: 0.4838, step time: 1.3147
Batch 93/248, train_loss: 0.3164, step time: 1.3279
Batch 94/248, train_loss: 0.9309, step time: 1.3382
Batch 95/248, train_loss: 0.1358, step time: 1.3129
Batch 96/248, train_loss: 0.1776, step time: 1.3081
Batch 97/248, train_loss: 0.9950, step time: 1.3332
Batch 98/248, train_loss: 0.1100, step time: 1.3100
Batch 99/248, train_loss: 0.5531, step time: 1.3399
Batch 100/248, train_loss: 0.9118, step time: 1.3323
Batch 101/248, train_loss: 0.0422, step time: 1.2959
Batch 102/248, train_loss: 0.2679, step time: 1.3207
Batch 103/248, train_loss: 0.9731, step time: 1.3203
Batch 104/248, train_loss: 0.3195, step time: 1.3429
Batch 105/248, train_loss: 0.0877, step time: 1.3259
Batch 106/248, train_loss: 0.1955, step time: 1.3067
Batch 107/248, train_loss: 0.8182, step time: 1.3243
Batch 108/248, train_loss: 0.5054, step time: 1.3456
Batch 109/248, train_loss: 0.9981, step time: 1.3278
Batch 110/248, train_loss: 0.3369, step time: 1.3230
Batch 111/248, train_loss: 0.2504, step time: 1.3323
Batch 112/248, train_loss: 0.2681, step time: 1.3135
Batch 113/248, train_loss: 0.9306, step time: 1.3334
Batch 114/248, train_loss: 0.2700, step time: 1.3265
Batch 115/248, train_loss: 0.2185, step time: 1.3258
Batch 116/248, train_loss: 0.1085, step time: 1.3255
Batch 117/248, train_loss: 0.8077, step time: 1.3166
Batch 118/248, train_loss: 0.3743, step time: 1.3261
Batch 119/248, train_loss: 0.3087, step time: 1.3138
Batch 120/248, train_loss: 0.2611, step time: 1.3084
Batch 121/248, train_loss: 0.3872, step time: 1.3143
Batch 122/248, train_loss: 0.4944, step time: 1.3418
Batch 123/248, train_loss: 0.1300, step time: 1.3218
Batch 124/248, train_loss: 0.2832, step time: 1.3284
Batch 125/248, train_loss: 0.8318, step time: 1.3263
Batch 126/248, train_loss: 0.3499, step time: 1.3093
Batch 127/248, train_loss: 0.1419, step time: 1.3233
Batch 128/248, train_loss: 0.4453, step time: 1.3131
Batch 129/248, train_loss: 0.0896, step time: 1.3156
Batch 130/248, train_loss: 0.1556, step time: 1.3372
Batch 131/248, train_loss: 0.3985, step time: 1.3322
Batch 132/248, train_loss: 0.2509, step time: 1.3137
Batch 133/248, train_loss: 0.3305, step time: 1.3064
Batch 134/248, train_loss: 0.9153, step time: 1.3412
Batch 135/248, train_loss: 0.3760, step time: 1.3444
Batch 136/248, train_loss: 0.1012, step time: 1.3153
Batch 137/248, train_loss: 0.2557, step time: 1.3468
Batch 138/248, train_loss: 0.0689, step time: 1.3278
Batch 139/248, train_loss: 0.2815, step time: 1.3356
Batch 140/248, train_loss: 0.1984, step time: 1.3423
Batch 141/248, train_loss: 0.1792, step time: 1.3191
Batch 142/248, train_loss: 0.7473, step time: 1.3145
Batch 143/248, train_loss: 0.2375, step time: 1.3309
Batch 144/248, train_loss: 0.1450, step time: 1.3254
Batch 145/248, train_loss: 0.0661, step time: 1.3119
Batch 146/248, train_loss: 0.4526, step time: 1.3157
Batch 147/248, train_loss: 0.0623, step time: 1.3196
Batch 148/248, train_loss: 0.8828, step time: 1.3420
Batch 149/248, train_loss: 0.1747, step time: 1.3409
Batch 150/248, train_loss: 0.5974, step time: 1.3325
Batch 151/248, train_loss: 0.4489, step time: 1.3441
Batch 152/248, train_loss: 0.0421, step time: 1.3168
Batch 153/248, train_loss: 0.2859, step time: 1.3229
Batch 154/248, train_loss: 0.5481, step time: 1.3218
Batch 155/248, train_loss: 0.1019, step time: 1.3312
Batch 156/248, train_loss: 0.3802, step time: 1.3320
Batch 157/248, train_loss: 0.9314, step time: 1.3110
Batch 158/248, train_loss: 0.8683, step time: 1.3368
Batch 159/248, train_loss: 0.3684, step time: 1.3351
Batch 160/248, train_loss: 0.2642, step time: 1.3408
Batch 161/248, train_loss: 0.1016, step time: 1.3207

Batch 121/248, train_loss: 0.1010, step time: 1.3220
Batch 162/248, train_loss: 0.3247, step time: 1.3221
Batch 163/248, train_loss: 0.1132, step time: 1.3194
Batch 164/248, train_loss: 0.2145, step time: 1.3092
Batch 165/248, train_loss: 0.6653, step time: 1.3300
Batch 166/248, train_loss: 0.1489, step time: 1.3325
Batch 167/248, train_loss: 0.2836, step time: 1.3192
Batch 168/248, train_loss: 0.1739, step time: 1.3281
Batch 169/248, train_loss: 0.1238, step time: 1.3318
Batch 170/248, train_loss: 0.4395, step time: 1.3332
Batch 171/248, train_loss: 0.0899, step time: 1.3122
Batch 172/248, train_loss: 0.6116, step time: 1.3349
Batch 173/248, train_loss: 0.1169, step time: 1.3431
Batch 174/248, train_loss: 0.5688, step time: 1.3200
Batch 175/248, train_loss: 0.3440, step time: 1.3244
Batch 176/248, train_loss: 0.5652, step time: 1.3485
Batch 177/248, train_loss: 0.3002, step time: 1.3149
Batch 178/248, train_loss: 0.2568, step time: 1.3469
Batch 179/248, train_loss: 0.1139, step time: 1.3177
Batch 180/248, train_loss: 0.4639, step time: 1.3103
Batch 181/248, train_loss: 0.1097, step time: 1.3374
Batch 182/248, train_loss: 0.9225, step time: 1.3198
Batch 183/248, train_loss: 0.4315, step time: 1.3319
Batch 184/248, train_loss: 0.5102, step time: 1.3522
Batch 185/248, train_loss: 0.1354, step time: 1.3097
Batch 186/248, train_loss: 0.1116, step time: 1.3238
Batch 187/248, train_loss: 0.2553, step time: 1.3165
Batch 188/248, train_loss: 0.1872, step time: 1.3102
Batch 189/248, train_loss: 0.5546, step time: 1.3133
Batch 190/248, train_loss: 0.1408, step time: 1.3091
Batch 191/248, train_loss: 0.6586, step time: 1.3410
Batch 192/248, train_loss: 0.2477, step time: 1.3156
Batch 193/248, train_loss: 0.2317, step time: 1.3145
Batch 194/248, train_loss: 0.0832, step time: 1.3152
Batch 195/248, train_loss: 0.5878, step time: 1.3150
Batch 196/248, train_loss: 0.9857, step time: 1.3236
Batch 197/248, train_loss: 0.1941, step time: 1.3325
Batch 198/248, train_loss: 0.7038, step time: 1.3306
Batch 199/248, train_loss: 0.1504, step time: 1.3303
Batch 200/248, train_loss: 0.1597, step time: 1.3114
Batch 201/248, train_loss: 0.1294, step time: 1.3139
Batch 202/248, train_loss: 0.6403, step time: 1.3414
Batch 203/248, train_loss: 0.3858, step time: 1.3461
Batch 204/248, train_loss: 0.0819, step time: 1.3400
Batch 205/248, train_loss: 0.2654, step time: 1.3114
Batch 206/248, train_loss: 0.3080, step time: 1.3437
Batch 207/248, train_loss: 0.0930, step time: 1.3380
Batch 208/248, train_loss: 0.4240, step time: 1.3276
Batch 209/248, train_loss: 0.1492, step time: 1.3246
Batch 210/248, train_loss: 0.0633, step time: 1.3071
Batch 211/248, train_loss: 0.0875, step time: 1.3310
Batch 212/248, train_loss: 0.5797, step time: 1.3473
Batch 213/248, train_loss: 0.1909, step time: 1.3246
Batch 214/248, train_loss: 0.0787, step time: 1.3402
Batch 215/248, train_loss: 0.3012, step time: 1.3305
Batch 216/248, train_loss: 0.3791, step time: 1.3284
Batch 217/248, train_loss: 0.2941, step time: 1.3303
Batch 218/248, train_loss: 0.9693, step time: 1.3256
Batch 219/248, train_loss: 0.1139, step time: 1.3314
Batch 220/248, train_loss: 0.2705, step time: 1.3197
Batch 221/248, train_loss: 0.2826, step time: 1.3280
Batch 222/248, train_loss: 0.4673, step time: 1.3345
Batch 223/248, train_loss: 0.0722, step time: 1.3357
Batch 224/248, train_loss: 0.2233, step time: 1.3370
Batch 225/248, train_loss: 0.9663, step time: 1.3246
Batch 226/248, train_loss: 0.8619, step time: 1.3322
Batch 227/248, train_loss: 0.1791, step time: 1.3413
Batch 228/248, train_loss: 0.4236, step time: 1.3404
Batch 229/248, train_loss: 0.1381, step time: 1.3323
Batch 230/248, train_loss: 0.1487, step time: 1.3505
Batch 231/248, train_loss: 0.8722, step time: 1.3208
Batch 232/248, train_loss: 0.1010, step time: 1.3110
Batch 233/248, train_loss: 0.9730, step time: 1.3347
Batch 234/248, train_loss: 0.6670, step time: 1.3429
Batch 235/248, train_loss: 0.3239, step time: 1.3244
Batch 236/248, train_loss: 0.9163, step time: 1.3090
Batch 237/248, train_loss: 0.1510, step time: 1.3374
Batch 238/248, train_loss: 0.0988, step time: 1.3386
Batch 239/248, train_loss: 0.2026, step time: 1.3322
Batch 240/248, train_loss: 0.5236, step time: 1.3252
Batch 241/248, train_loss: 0.9776, step time: 1.3152
Batch 242/248, train_loss: 0.1485, step time: 1.3231
Batch 243/248, train_loss: 0.3803, step time: 1.3143
Batch 244/248, train_loss: 0.4427, step time: 1.3077
Batch 245/248, train_loss: 0.0945, step time: 1.3095

```
Batch 246/248, train_loss: 0./182, step time: 1.328/  
Batch 247/248, train_loss: 0.1222, step time: 1.3278  
Batch 248/248, train_loss: 0.9999, step time: 1.2931
```

Labels



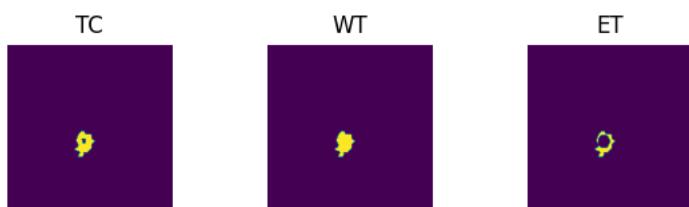
Predictions



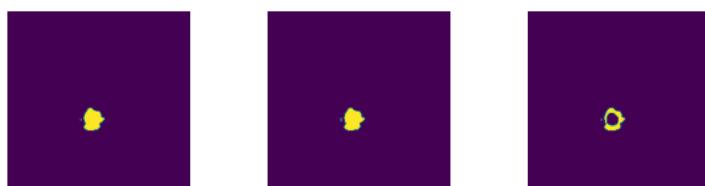
VAL

```
Batch 1/31, val_loss: 0.8509  
Batch 2/31, val_loss: 0.9899  
Batch 3/31, val_loss: 0.9632  
Batch 4/31, val_loss: 0.9474  
Batch 5/31, val_loss: 0.9907  
Batch 6/31, val_loss: 0.7091  
Batch 7/31, val_loss: 0.8549  
Batch 8/31, val_loss: 0.9561  
Batch 9/31, val_loss: 0.6998  
Batch 10/31, val_loss: 0.9136  
Batch 11/31, val_loss: 0.8191  
Batch 12/31, val_loss: 0.9728  
Batch 13/31, val_loss: 0.9953  
Batch 14/31, val_loss: 0.9534  
Batch 15/31, val_loss: 0.9862  
Batch 16/31, val_loss: 0.9721  
Batch 17/31, val_loss: 0.9649  
Batch 18/31, val_loss: 0.9438  
Batch 19/31, val_loss: 0.7502  
Batch 20/31, val_loss: 0.8820  
Batch 21/31, val_loss: 0.8893  
Batch 22/31, val_loss: 0.9576  
Batch 23/31, val_loss: 0.9703  
Batch 24/31, val_loss: 0.7417  
Batch 25/31, val_loss: 0.8085  
Batch 26/31, val_loss: 0.9258  
Batch 27/31, val_loss: 0.9758  
Batch 28/31, val_loss: 0.7521  
Batch 29/31, val_loss: 0.9835  
Batch 30/31, val_loss: 0.9626  
Batch 31/31, val_loss: 0.9723
```

Labels



Predictions



epoch 66

```
average train loss: 0.3570  
average validation loss: 0.9050  
saved as best model: False
```

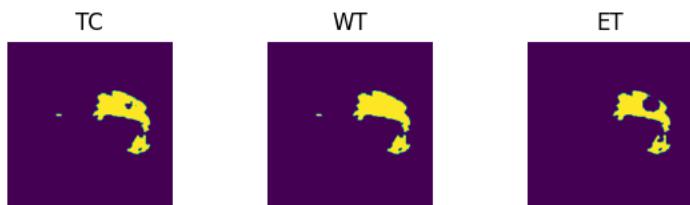
```
current mean dice: 0.5633
current TC dice: 0.5964
current WT dice: 0.6038
current ET dice: 0.5248
Best Mean Metric: 0.6100
time consuming of epoch 66 is: 1694.3732
-----
epoch 67/100
TRAIN
    Batch 1/248, train_loss: 0.0984, step time: 1.3901
    Batch 2/248, train_loss: 0.8247, step time: 1.3180
    Batch 3/248, train_loss: 0.3757, step time: 1.3235
    Batch 4/248, train_loss: 0.8780, step time: 1.3454
    Batch 5/248, train_loss: 0.2462, step time: 1.3397
    Batch 6/248, train_loss: 0.4336, step time: 1.3266
    Batch 7/248, train_loss: 0.2442, step time: 1.3257
    Batch 8/248, train_loss: 0.7415, step time: 1.3419
    Batch 9/248, train_loss: 0.0574, step time: 1.3444
    Batch 10/248, train_loss: 0.2783, step time: 1.3311
    Batch 11/248, train_loss: 0.2473, step time: 1.3343
    Batch 12/248, train_loss: 0.4415, step time: 1.3343
    Batch 13/248, train_loss: 0.2730, step time: 1.3450
    Batch 14/248, train_loss: 0.0739, step time: 1.3469
    Batch 15/248, train_loss: 0.3241, step time: 1.3133
    Batch 16/248, train_loss: 0.2040, step time: 1.3406
    Batch 17/248, train_loss: 0.2182, step time: 1.3315
    Batch 18/248, train_loss: 0.3151, step time: 1.3293
    Batch 19/248, train_loss: 0.1409, step time: 1.3144
    Batch 20/248, train_loss: 0.1326, step time: 1.3346
    Batch 21/248, train_loss: 0.0787, step time: 1.3390
    Batch 22/248, train_loss: 0.7547, step time: 1.3286
    Batch 23/248, train_loss: 0.5342, step time: 1.3373
    Batch 24/248, train_loss: 0.0780, step time: 1.3195
    Batch 25/248, train_loss: 0.0619, step time: 1.3264
    Batch 26/248, train_loss: 0.4648, step time: 1.3188
    Batch 27/248, train_loss: 0.0757, step time: 1.3389
    Batch 28/248, train_loss: 0.1568, step time: 1.3064
    Batch 29/248, train_loss: 0.3523, step time: 1.3439
    Batch 30/248, train_loss: 0.6988, step time: 1.3499
    Batch 31/248, train_loss: 0.3523, step time: 1.3540
    Batch 32/248, train_loss: 0.0938, step time: 1.3287
    Batch 33/248, train_loss: 0.0761, step time: 1.3160
    Batch 34/248, train_loss: 0.0562, step time: 1.3159
    Batch 35/248, train_loss: 0.0768, step time: 1.3414
    Batch 36/248, train_loss: 0.5451, step time: 1.3332
    Batch 37/248, train_loss: 0.1480, step time: 1.3075
    Batch 38/248, train_loss: 0.3070, step time: 1.3311
    Batch 39/248, train_loss: 0.1786, step time: 1.3152
    Batch 40/248, train_loss: 0.5734, step time: 1.3336
    Batch 41/248, train_loss: 0.3415, step time: 1.3473
    Batch 42/248, train_loss: 0.0780, step time: 1.3072
    Batch 43/248, train_loss: 0.0922, step time: 1.3353
    Batch 44/248, train_loss: 0.2750, step time: 1.3283
    Batch 45/248, train_loss: 0.5600, step time: 1.3417
    Batch 46/248, train_loss: 0.1642, step time: 1.3415
    Batch 47/248, train_loss: 0.0768, step time: 1.3329
    Batch 48/248, train_loss: 0.1943, step time: 1.3378
    Batch 49/248, train_loss: 0.3387, step time: 1.3421
    Batch 50/248, train_loss: 0.1420, step time: 1.3413
    Batch 51/248, train_loss: 0.1396, step time: 1.3017
    Batch 52/248, train_loss: 0.1784, step time: 1.3074
    Batch 53/248, train_loss: 0.4546, step time: 1.3125
    Batch 54/248, train_loss: 0.2419, step time: 1.3401
    Batch 55/248, train_loss: 0.2424, step time: 1.3370
    Batch 56/248, train_loss: 0.1975, step time: 1.3300
    Batch 57/248, train_loss: 0.3689, step time: 1.3303
    Batch 58/248, train_loss: 0.0732, step time: 1.3192
    Batch 59/248, train_loss: 0.0916, step time: 1.3225
    Batch 60/248, train_loss: 0.0661, step time: 1.3366
    Batch 61/248, train_loss: 0.0952, step time: 1.3252
    Batch 62/248, train_loss: 0.3232, step time: 1.3402
    Batch 63/248, train_loss: 0.4797, step time: 1.3462
    Batch 64/248, train_loss: 0.4310, step time: 1.3213
    Batch 65/248, train_loss: 0.2192, step time: 1.3258
    Batch 66/248, train_loss: 0.1250, step time: 1.3138
    Batch 67/248, train_loss: 0.0921, step time: 1.3085
    Batch 68/248, train_loss: 0.1345, step time: 1.3232
    Batch 69/248, train_loss: 0.3928, step time: 1.3259
    Batch 70/248, train_loss: 0.1952, step time: 1.3210
    Batch 71/248, train_loss: 0.1317, step time: 1.3073
    Batch 72/248, train_loss: 0.0608, step time: 1.2983
    Batch 73/248, train_loss: 0.1325, step time: 1.3199
    Batch 74/248, train_loss: 0.9741, step time: 1.3376
    Batch 75/248, train_loss: 0.1408, step time: 1.3064
    Batch 76/248, train_loss: 0.7117, step time: 1.3245
```

Batch 76/248, train_loss: 0.1117, step time: 1.3349
Batch 77/248, train_loss: 0.7811, step time: 1.3127
Batch 78/248, train_loss: 0.1141, step time: 1.3150
Batch 79/248, train_loss: 0.1268, step time: 1.3313
Batch 80/248, train_loss: 0.1856, step time: 1.3296
Batch 81/248, train_loss: 0.1674, step time: 1.3173
Batch 82/248, train_loss: 0.0921, step time: 1.3394
Batch 83/248, train_loss: 0.5541, step time: 1.3323
Batch 84/248, train_loss: 0.2225, step time: 1.3495
Batch 85/248, train_loss: 0.4588, step time: 1.3150
Batch 86/248, train_loss: 0.2150, step time: 1.3311
Batch 87/248, train_loss: 0.7256, step time: 1.3223
Batch 88/248, train_loss: 0.3342, step time: 1.3016
Batch 89/248, train_loss: 0.0679, step time: 1.3124
Batch 90/248, train_loss: 0.2534, step time: 1.3476
Batch 91/248, train_loss: 0.3725, step time: 1.3361
Batch 92/248, train_loss: 0.6291, step time: 1.3207
Batch 93/248, train_loss: 0.1564, step time: 1.3235
Batch 94/248, train_loss: 0.3077, step time: 1.3463
Batch 95/248, train_loss: 0.1755, step time: 1.3255
Batch 96/248, train_loss: 0.1413, step time: 1.3238
Batch 97/248, train_loss: 0.5666, step time: 1.3255
Batch 98/248, train_loss: 0.1174, step time: 1.3251
Batch 99/248, train_loss: 0.2834, step time: 1.3366
Batch 100/248, train_loss: 0.3024, step time: 1.3260
Batch 101/248, train_loss: 0.0528, step time: 1.3233
Batch 102/248, train_loss: 0.1515, step time: 1.3215
Batch 103/248, train_loss: 0.8893, step time: 1.3350
Batch 104/248, train_loss: 0.3212, step time: 1.3289
Batch 105/248, train_loss: 0.1108, step time: 1.3211
Batch 106/248, train_loss: 0.1090, step time: 1.3141
Batch 107/248, train_loss: 0.2256, step time: 1.3131
Batch 108/248, train_loss: 0.6681, step time: 1.3412
Batch 109/248, train_loss: 0.9786, step time: 1.3281
Batch 110/248, train_loss: 0.4165, step time: 1.3407
Batch 111/248, train_loss: 0.0910, step time: 1.3154
Batch 112/248, train_loss: 0.1408, step time: 1.3189
Batch 113/248, train_loss: 0.7761, step time: 1.3257
Batch 114/248, train_loss: 0.1225, step time: 1.3281
Batch 115/248, train_loss: 0.1436, step time: 1.3428
Batch 116/248, train_loss: 0.0766, step time: 1.3099
Batch 117/248, train_loss: 0.5062, step time: 1.3385
Batch 118/248, train_loss: 0.2898, step time: 1.3331
Batch 119/248, train_loss: 0.2770, step time: 1.3233
Batch 120/248, train_loss: 0.2043, step time: 1.3342
Batch 121/248, train_loss: 0.2892, step time: 1.3063
Batch 122/248, train_loss: 0.4211, step time: 1.3261
Batch 123/248, train_loss: 0.0592, step time: 1.3005
Batch 124/248, train_loss: 0.2682, step time: 1.3252
Batch 125/248, train_loss: 0.4847, step time: 1.3094
Batch 126/248, train_loss: 0.4150, step time: 1.3219
Batch 127/248, train_loss: 0.1161, step time: 1.3414
Batch 128/248, train_loss: 0.2901, step time: 1.3252
Batch 129/248, train_loss: 0.0765, step time: 1.3024
Batch 130/248, train_loss: 0.1014, step time: 1.3079
Batch 131/248, train_loss: 0.4793, step time: 1.3225
Batch 132/248, train_loss: 0.1831, step time: 1.3079
Batch 133/248, train_loss: 0.1126, step time: 1.3245
Batch 134/248, train_loss: 0.8760, step time: 1.3168
Batch 135/248, train_loss: 0.2033, step time: 1.3440
Batch 136/248, train_loss: 0.1306, step time: 1.3123
Batch 137/248, train_loss: 0.1397, step time: 1.3107
Batch 138/248, train_loss: 0.0705, step time: 1.3381
Batch 139/248, train_loss: 0.1451, step time: 1.3072
Batch 140/248, train_loss: 0.2117, step time: 1.3173
Batch 141/248, train_loss: 0.1701, step time: 1.3150
Batch 142/248, train_loss: 0.5512, step time: 1.3417
Batch 143/248, train_loss: 0.2177, step time: 1.3064
Batch 144/248, train_loss: 0.1274, step time: 1.3332
Batch 145/248, train_loss: 0.0664, step time: 1.3317
Batch 146/248, train_loss: 0.3595, step time: 1.3338
Batch 147/248, train_loss: 0.0474, step time: 1.3155
Batch 148/248, train_loss: 0.7753, step time: 1.3222
Batch 149/248, train_loss: 0.1315, step time: 1.3381
Batch 150/248, train_loss: 0.6023, step time: 1.3170
Batch 151/248, train_loss: 0.2642, step time: 1.3361
Batch 152/248, train_loss: 0.0435, step time: 1.3355
Batch 153/248, train_loss: 0.2177, step time: 1.3070
Batch 154/248, train_loss: 0.5459, step time: 1.3275
Batch 155/248, train_loss: 0.1020, step time: 1.3272
Batch 156/248, train_loss: 0.1319, step time: 1.3136
Batch 157/248, train_loss: 0.2824, step time: 1.3410
Batch 158/248, train_loss: 0.8124, step time: 1.3350
Batch 159/248, train_loss: 0.5119, step time: 1.3258
Batch 160/248, train_loss: 0.1129, step time: 1.3392
.....

Batch 161/248, train_loss: 0.0838, step time: 1.3112
Batch 162/248, train_loss: 0.1154, step time: 1.3088
Batch 163/248, train_loss: 0.1285, step time: 1.3379
Batch 164/248, train_loss: 0.2808, step time: 1.3249
Batch 165/248, train_loss: 0.6519, step time: 1.3239
Batch 166/248, train_loss: 0.0908, step time: 1.3197
Batch 167/248, train_loss: 0.1852, step time: 1.3447
Batch 168/248, train_loss: 0.1558, step time: 1.3319
Batch 169/248, train_loss: 0.0916, step time: 1.3161
Batch 170/248, train_loss: 0.5442, step time: 1.3342
Batch 171/248, train_loss: 0.0840, step time: 1.3274
Batch 172/248, train_loss: 0.3953, step time: 1.3342
Batch 173/248, train_loss: 0.0682, step time: 1.3188
Batch 174/248, train_loss: 0.7768, step time: 1.3046
Batch 175/248, train_loss: 0.3471, step time: 1.3183
Batch 176/248, train_loss: 0.3682, step time: 1.3302
Batch 177/248, train_loss: 0.2066, step time: 1.3371
Batch 178/248, train_loss: 0.3186, step time: 1.3482
Batch 179/248, train_loss: 0.0785, step time: 1.3217
Batch 180/248, train_loss: 0.4013, step time: 1.3603
Batch 181/248, train_loss: 0.0828, step time: 1.3320
Batch 182/248, train_loss: 0.8563, step time: 1.3377
Batch 183/248, train_loss: 0.0909, step time: 1.3400
Batch 184/248, train_loss: 0.1846, step time: 1.3225
Batch 185/248, train_loss: 0.0917, step time: 1.3475
Batch 186/248, train_loss: 0.0757, step time: 1.3242
Batch 187/248, train_loss: 0.2167, step time: 1.3425
Batch 188/248, train_loss: 0.2207, step time: 1.3256
Batch 189/248, train_loss: 0.5415, step time: 1.3541
Batch 190/248, train_loss: 0.1623, step time: 1.3284
Batch 191/248, train_loss: 0.6722, step time: 1.3439
Batch 192/248, train_loss: 0.2323, step time: 1.3306
Batch 193/248, train_loss: 0.2128, step time: 1.3602
Batch 194/248, train_loss: 0.0811, step time: 1.3648
Batch 195/248, train_loss: 0.5645, step time: 1.3726
Batch 196/248, train_loss: 0.9666, step time: 1.3601
Batch 197/248, train_loss: 0.1658, step time: 1.3490
Batch 198/248, train_loss: 0.6514, step time: 1.3686
Batch 199/248, train_loss: 0.1328, step time: 1.3634
Batch 200/248, train_loss: 0.1104, step time: 1.3543
Batch 201/248, train_loss: 0.1202, step time: 1.3616
Batch 202/248, train_loss: 0.4766, step time: 1.3711
Batch 203/248, train_loss: 0.3620, step time: 1.3589
Batch 204/248, train_loss: 0.1016, step time: 1.3461
Batch 205/248, train_loss: 0.2671, step time: 1.3610
Batch 206/248, train_loss: 0.4144, step time: 1.3873
Batch 207/248, train_loss: 0.0585, step time: 1.3926
Batch 208/248, train_loss: 0.1217, step time: 1.3977
Batch 209/248, train_loss: 0.1943, step time: 1.3986
Batch 210/248, train_loss: 0.0712, step time: 1.3667
Batch 211/248, train_loss: 0.0660, step time: 1.3730
Batch 212/248, train_loss: 0.2185, step time: 1.3837
Batch 213/248, train_loss: 0.1680, step time: 1.3585
Batch 214/248, train_loss: 0.0874, step time: 1.3677
Batch 215/248, train_loss: 0.3312, step time: 1.3612
Batch 216/248, train_loss: 0.1618, step time: 1.3733
Batch 217/248, train_loss: 0.2563, step time: 1.3997
Batch 218/248, train_loss: 0.7671, step time: 1.3936
Batch 219/248, train_loss: 0.0722, step time: 1.3760
Batch 220/248, train_loss: 0.2198, step time: 1.3813
Batch 221/248, train_loss: 0.2646, step time: 1.3539
Batch 222/248, train_loss: 0.2707, step time: 1.3868
Batch 223/248, train_loss: 0.0448, step time: 1.3666
Batch 224/248, train_loss: 0.0873, step time: 1.3695
Batch 225/248, train_loss: 0.4501, step time: 1.3803
Batch 226/248, train_loss: 0.1260, step time: 1.3975
Batch 227/248, train_loss: 0.1094, step time: 1.3704
Batch 228/248, train_loss: 0.1608, step time: 1.4028
Batch 229/248, train_loss: 0.0874, step time: 1.3530
Batch 230/248, train_loss: 0.0653, step time: 1.3644
Batch 231/248, train_loss: 0.3476, step time: 1.3711
Batch 232/248, train_loss: 0.0804, step time: 1.3804
Batch 233/248, train_loss: 0.9475, step time: 1.3727
Batch 234/248, train_loss: 0.3963, step time: 1.3594
Batch 235/248, train_loss: 0.1934, step time: 1.3859
Batch 236/248, train_loss: 0.7477, step time: 1.3939
Batch 237/248, train_loss: 0.1287, step time: 1.3763
Batch 238/248, train_loss: 0.0870, step time: 1.3591
Batch 239/248, train_loss: 0.0661, step time: 1.3796
Batch 240/248, train_loss: 0.3436, step time: 1.3918
Batch 241/248, train_loss: 0.6462, step time: 1.3719
Batch 242/248, train_loss: 0.1522, step time: 1.3653
Batch 243/248, train_loss: 0.4113, step time: 1.3749
Batch 244/248, train_loss: 0.3342, step time: 1.3867
Batch 245/248, train_loss: 0.0758, step time: 1.3708

```
Batch 246/248, train_loss: 0.5845, step time: 1.3711  
Batch 247/248, train_loss: 0.0825, step time: 1.3738  
Batch 248/248, train_loss: 0.9998, step time: 1.3473
```

Labels



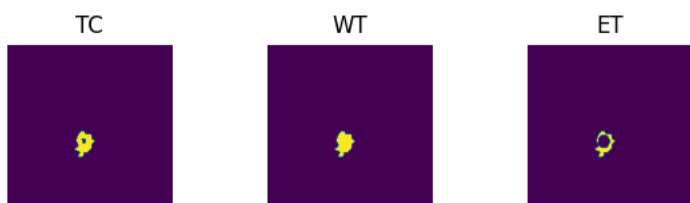
Predictions



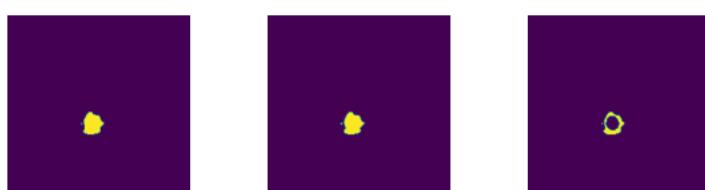
VAL

```
Batch 1/31, val_loss: 0.8371  
Batch 2/31, val_loss: 0.9889  
Batch 3/31, val_loss: 0.9619  
Batch 4/31, val_loss: 0.9357  
Batch 5/31, val_loss: 0.9912  
Batch 6/31, val_loss: 0.6969  
Batch 7/31, val_loss: 0.8360  
Batch 8/31, val_loss: 0.9454  
Batch 9/31, val_loss: 0.6912  
Batch 10/31, val_loss: 0.9099  
Batch 11/31, val_loss: 0.8175  
Batch 12/31, val_loss: 0.9782  
Batch 13/31, val_loss: 0.9972  
Batch 14/31, val_loss: 0.9569  
Batch 15/31, val_loss: 0.9847  
Batch 16/31, val_loss: 0.9708  
Batch 17/31, val_loss: 0.9732  
Batch 18/31, val_loss: 0.9474  
Batch 19/31, val_loss: 0.7437  
Batch 20/31, val_loss: 0.8591  
Batch 21/31, val_loss: 0.8779  
Batch 22/31, val_loss: 0.9630  
Batch 23/31, val_loss: 0.9703  
Batch 24/31, val_loss: 0.7398  
Batch 25/31, val_loss: 0.8027  
Batch 26/31, val_loss: 0.9246  
Batch 27/31, val_loss: 0.9732  
Batch 28/31, val_loss: 0.7410  
Batch 29/31, val_loss: 0.9814  
Batch 30/31, val_loss: 0.9634  
Batch 31/31, val_loss: 0.9744
```

Labels



Predictions



epoch 67

```
average train loss: 0.2852  
average validation loss: 0.9011
```

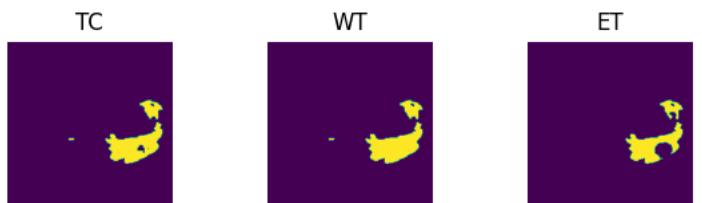
```
saved as best model: false
current mean dice: 0.5820
current TC dice: 0.6180
current WT dice: 0.6217
current ET dice: 0.5359
Best Mean Metric: 0.6100
time consuming of epoch 67 is: 1723.0118
-----
epoch 68/100
TRAIN
    Batch 1/248, train_loss: 0.0748, step time: 1.4183
    Batch 2/248, train_loss: 0.5889, step time: 1.3721
    Batch 3/248, train_loss: 0.2496, step time: 1.3625
    Batch 4/248, train_loss: 0.9346, step time: 1.3613
    Batch 5/248, train_loss: 0.2283, step time: 1.3870
    Batch 6/248, train_loss: 0.2144, step time: 1.3880
    Batch 7/248, train_loss: 0.0943, step time: 1.3604
    Batch 8/248, train_loss: 0.7207, step time: 1.3654
    Batch 9/248, train_loss: 0.0375, step time: 1.3866
    Batch 10/248, train_loss: 0.2234, step time: 1.3891
    Batch 11/248, train_loss: 0.1884, step time: 1.3907
    Batch 12/248, train_loss: 0.3040, step time: 1.3861
    Batch 13/248, train_loss: 0.2868, step time: 1.3612
    Batch 14/248, train_loss: 0.0807, step time: 1.3832
    Batch 15/248, train_loss: 0.3188, step time: 1.3890
    Batch 16/248, train_loss: 0.1279, step time: 1.3874
    Batch 17/248, train_loss: 0.2219, step time: 1.3771
    Batch 18/248, train_loss: 0.2744, step time: 1.3720
    Batch 19/248, train_loss: 0.1433, step time: 1.3624
    Batch 20/248, train_loss: 0.1638, step time: 1.3759
    Batch 21/248, train_loss: 0.0471, step time: 1.3625
    Batch 22/248, train_loss: 0.5073, step time: 1.3627
    Batch 23/248, train_loss: 0.3840, step time: 1.3954
    Batch 24/248, train_loss: 0.1001, step time: 1.3975
    Batch 25/248, train_loss: 0.0533, step time: 1.3736
    Batch 26/248, train_loss: 0.3618, step time: 1.3687
    Batch 27/248, train_loss: 0.0712, step time: 1.3706
    Batch 28/248, train_loss: 0.1532, step time: 1.4050
    Batch 29/248, train_loss: 0.3826, step time: 1.3995
    Batch 30/248, train_loss: 0.5264, step time: 1.3721
    Batch 31/248, train_loss: 0.2570, step time: 1.3801
    Batch 32/248, train_loss: 0.0756, step time: 1.3679
    Batch 33/248, train_loss: 0.0818, step time: 1.3797
    Batch 34/248, train_loss: 0.0443, step time: 1.3588
    Batch 35/248, train_loss: 0.0619, step time: 1.3497
    Batch 36/248, train_loss: 0.3981, step time: 1.4024
    Batch 37/248, train_loss: 0.1350, step time: 1.3784
    Batch 38/248, train_loss: 0.2834, step time: 1.3882
    Batch 39/248, train_loss: 0.2784, step time: 1.3655
    Batch 40/248, train_loss: 0.5550, step time: 1.3783
    Batch 41/248, train_loss: 0.1782, step time: 1.3890
    Batch 42/248, train_loss: 0.0641, step time: 1.3819
    Batch 43/248, train_loss: 0.0663, step time: 1.3794
    Batch 44/248, train_loss: 0.1076, step time: 1.3595
    Batch 45/248, train_loss: 0.6090, step time: 1.3716
    Batch 46/248, train_loss: 0.1547, step time: 1.3728
    Batch 47/248, train_loss: 0.0760, step time: 1.3862
    Batch 48/248, train_loss: 0.2161, step time: 1.3882
    Batch 49/248, train_loss: 0.4875, step time: 1.3824
    Batch 50/248, train_loss: 0.1364, step time: 1.3754
    Batch 51/248, train_loss: 0.1410, step time: 1.3782
    Batch 52/248, train_loss: 0.1153, step time: 1.3738
    Batch 53/248, train_loss: 0.3639, step time: 1.3718
    Batch 54/248, train_loss: 0.2206, step time: 1.3609
    Batch 55/248, train_loss: 0.2086, step time: 1.3737
    Batch 56/248, train_loss: 0.1513, step time: 1.3535
    Batch 57/248, train_loss: 0.2889, step time: 1.3568
    Batch 58/248, train_loss: 0.0643, step time: 1.3779
    Batch 59/248, train_loss: 0.0779, step time: 1.3702
    Batch 60/248, train_loss: 0.0630, step time: 1.3874
    Batch 61/248, train_loss: 0.0672, step time: 1.3566
    Batch 62/248, train_loss: 0.2137, step time: 1.3665
    Batch 63/248, train_loss: 0.5078, step time: 1.3695
    Batch 64/248, train_loss: 0.3463, step time: 1.3873
    Batch 65/248, train_loss: 0.2191, step time: 1.3781
    Batch 66/248, train_loss: 0.0978, step time: 1.3788
    Batch 67/248, train_loss: 0.0629, step time: 1.3830
    Batch 68/248, train_loss: 0.1197, step time: 1.3753
    Batch 69/248, train_loss: 0.4803, step time: 1.3824
    Batch 70/248, train_loss: 0.1864, step time: 1.3860
    Batch 71/248, train_loss: 0.1206, step time: 1.3521
    Batch 72/248, train_loss: 0.0577, step time: 1.3511
    Batch 73/248, train_loss: 0.1418, step time: 1.3647
    Batch 74/248, train_loss: 0.5856, step time: 1.4064
    Batch 75/248, train_loss: 0.0973, step time: 1.3511
```

Batch 76/248, train_loss: 0.4178, step time: 1.4040
Batch 77/248, train_loss: 0.7224, step time: 1.3866
Batch 78/248, train_loss: 0.1040, step time: 1.3760
Batch 79/248, train_loss: 0.1787, step time: 1.3830
Batch 80/248, train_loss: 0.1893, step time: 1.3645
Batch 81/248, train_loss: 0.1467, step time: 1.3659
Batch 82/248, train_loss: 0.0742, step time: 1.3518
Batch 83/248, train_loss: 0.4974, step time: 1.3615
Batch 84/248, train_loss: 0.2206, step time: 1.3537
Batch 85/248, train_loss: 0.4035, step time: 1.3947
Batch 86/248, train_loss: 0.2161, step time: 1.3693
Batch 87/248, train_loss: 0.6935, step time: 1.3905
Batch 88/248, train_loss: 0.3339, step time: 1.3695
Batch 89/248, train_loss: 0.0856, step time: 1.3927
Batch 90/248, train_loss: 0.2462, step time: 1.4062
Batch 91/248, train_loss: 0.3248, step time: 1.4049
Batch 92/248, train_loss: 0.7121, step time: 1.3817
Batch 93/248, train_loss: 0.1358, step time: 1.3787
Batch 94/248, train_loss: 0.2470, step time: 1.3936
Batch 95/248, train_loss: 0.1715, step time: 1.3880
Batch 96/248, train_loss: 0.1288, step time: 1.3671
Batch 97/248, train_loss: 0.5474, step time: 1.3886
Batch 98/248, train_loss: 0.1089, step time: 1.3776
Batch 99/248, train_loss: 0.3125, step time: 1.3866
Batch 100/248, train_loss: 0.2035, step time: 1.3990
Batch 101/248, train_loss: 0.0421, step time: 1.3468
Batch 102/248, train_loss: 0.1181, step time: 1.3690
Batch 103/248, train_loss: 0.3819, step time: 1.3707
Batch 104/248, train_loss: 0.2800, step time: 1.3965
Batch 105/248, train_loss: 0.0809, step time: 1.3582
Batch 106/248, train_loss: 0.1404, step time: 1.3693
Batch 107/248, train_loss: 0.3673, step time: 1.3821
Batch 108/248, train_loss: 0.6457, step time: 1.3690
Batch 109/248, train_loss: 0.8727, step time: 1.3628
Batch 110/248, train_loss: 0.3767, step time: 1.3775
Batch 111/248, train_loss: 0.0826, step time: 1.3755
Batch 112/248, train_loss: 0.2374, step time: 1.3969
Batch 113/248, train_loss: 0.7102, step time: 1.3939
Batch 114/248, train_loss: 0.1294, step time: 1.3859
Batch 115/248, train_loss: 0.1979, step time: 1.3858
Batch 116/248, train_loss: 0.0765, step time: 1.3914
Batch 117/248, train_loss: 0.5881, step time: 1.3824
Batch 118/248, train_loss: 0.1481, step time: 1.3693
Batch 119/248, train_loss: 0.2656, step time: 1.3762
Batch 120/248, train_loss: 0.2056, step time: 1.3684
Batch 121/248, train_loss: 0.2601, step time: 1.3901
Batch 122/248, train_loss: 0.5657, step time: 1.4077
Batch 123/248, train_loss: 0.0507, step time: 1.3923
Batch 124/248, train_loss: 0.2470, step time: 1.3780
Batch 125/248, train_loss: 0.4804, step time: 1.3641
Batch 126/248, train_loss: 0.3553, step time: 1.3765
Batch 127/248, train_loss: 0.1043, step time: 1.3578
Batch 128/248, train_loss: 0.1223, step time: 1.3830
Batch 129/248, train_loss: 0.1033, step time: 1.3691
Batch 130/248, train_loss: 0.0929, step time: 1.3760
Batch 131/248, train_loss: 0.4371, step time: 1.3645
Batch 132/248, train_loss: 0.1714, step time: 1.3918
Batch 133/248, train_loss: 0.1369, step time: 1.3687
Batch 134/248, train_loss: 0.8956, step time: 1.3979
Batch 135/248, train_loss: 0.1990, step time: 1.3961
Batch 136/248, train_loss: 0.1459, step time: 1.3867
Batch 137/248, train_loss: 0.1069, step time: 1.3756
Batch 138/248, train_loss: 0.0810, step time: 1.3724
Batch 139/248, train_loss: 0.1578, step time: 1.3966
Batch 140/248, train_loss: 0.1664, step time: 1.3658
Batch 141/248, train_loss: 0.1521, step time: 1.3852
Batch 142/248, train_loss: 0.4972, step time: 1.3696
Batch 143/248, train_loss: 0.2218, step time: 1.3595
Batch 144/248, train_loss: 0.1270, step time: 1.3704
Batch 145/248, train_loss: 0.0570, step time: 1.3643
Batch 146/248, train_loss: 0.3615, step time: 1.3831
Batch 147/248, train_loss: 0.0444, step time: 1.3599
Batch 148/248, train_loss: 0.6318, step time: 1.3706
Batch 149/248, train_loss: 0.1219, step time: 1.3933
Batch 150/248, train_loss: 0.5071, step time: 1.3870
Batch 151/248, train_loss: 0.2076, step time: 1.3874
Batch 152/248, train_loss: 0.0412, step time: 1.3788
Batch 153/248, train_loss: 0.1871, step time: 1.3955
Batch 154/248, train_loss: 0.5137, step time: 1.3761
Batch 155/248, train_loss: 0.0940, step time: 1.3929
Batch 156/248, train_loss: 0.1852, step time: 1.3900
Batch 157/248, train_loss: 0.2790, step time: 1.3942
Batch 158/248, train_loss: 0.8248, step time: 1.3735
Batch 159/248, train_loss: 0.3554, step time: 1.4021
Batch 160/248, train_loss: 0.1705, step time: 1.3652

Batch 161/248, train_loss: 0.1095, step time: 1.3657
Batch 162/248, train_loss: 0.2649, step time: 1.3819
Batch 163/248, train_loss: 0.1304, step time: 1.3603
Batch 164/248, train_loss: 0.2808, step time: 1.3885
Batch 165/248, train_loss: 0.4693, step time: 1.3748
Batch 166/248, train_loss: 0.0887, step time: 1.3805
Batch 167/248, train_loss: 0.1542, step time: 1.3659
Batch 168/248, train_loss: 0.1457, step time: 1.3589
Batch 169/248, train_loss: 0.1197, step time: 1.3846
Batch 170/248, train_loss: 0.5723, step time: 1.3654
Batch 171/248, train_loss: 0.0958, step time: 1.3562
Batch 172/248, train_loss: 0.4287, step time: 1.3800
Batch 173/248, train_loss: 0.0726, step time: 1.3738
Batch 174/248, train_loss: 0.7042, step time: 1.3755
Batch 175/248, train_loss: 0.1245, step time: 1.3628
Batch 176/248, train_loss: 0.3799, step time: 1.3653
Batch 177/248, train_loss: 0.1904, step time: 1.3636
Batch 178/248, train_loss: 0.2715, step time: 1.3984
Batch 179/248, train_loss: 0.0752, step time: 1.3914
Batch 180/248, train_loss: 0.3781, step time: 1.3940
Batch 181/248, train_loss: 0.0885, step time: 1.3689
Batch 182/248, train_loss: 0.8791, step time: 1.3808
Batch 183/248, train_loss: 0.1285, step time: 1.3997
Batch 184/248, train_loss: 0.1681, step time: 1.3660
Batch 185/248, train_loss: 0.0799, step time: 1.3746
Batch 186/248, train_loss: 0.0908, step time: 1.3639
Batch 187/248, train_loss: 0.1612, step time: 1.3874
Batch 188/248, train_loss: 0.1944, step time: 1.3777
Batch 189/248, train_loss: 0.5281, step time: 1.3587
Batch 190/248, train_loss: 0.1162, step time: 1.3702
Batch 191/248, train_loss: 0.6213, step time: 1.3966
Batch 192/248, train_loss: 0.2065, step time: 1.3865
Batch 193/248, train_loss: 0.2337, step time: 1.3794
Batch 194/248, train_loss: 0.0797, step time: 1.3497
Batch 195/248, train_loss: 0.5594, step time: 1.3859
Batch 196/248, train_loss: 0.9093, step time: 1.3781
Batch 197/248, train_loss: 0.1804, step time: 1.3921
Batch 198/248, train_loss: 0.5526, step time: 1.3763
Batch 199/248, train_loss: 0.1286, step time: 1.3644
Batch 200/248, train_loss: 0.1208, step time: 1.3607
Batch 201/248, train_loss: 0.1166, step time: 1.3642
Batch 202/248, train_loss: 0.3932, step time: 1.4011
Batch 203/248, train_loss: 0.5045, step time: 1.3603
Batch 204/248, train_loss: 0.0797, step time: 1.3663
Batch 205/248, train_loss: 0.2334, step time: 1.3969
Batch 206/248, train_loss: 0.8394, step time: 1.3822
Batch 207/248, train_loss: 0.1079, step time: 1.3798
Batch 208/248, train_loss: 0.1512, step time: 1.3637
Batch 209/248, train_loss: 0.1257, step time: 1.3771
Batch 210/248, train_loss: 0.0591, step time: 1.3732
Batch 211/248, train_loss: 0.0769, step time: 1.3932
Batch 212/248, train_loss: 0.3153, step time: 1.3750
Batch 213/248, train_loss: 0.1493, step time: 1.3796
Batch 214/248, train_loss: 0.0896, step time: 1.3688
Batch 215/248, train_loss: 0.4140, step time: 1.3725
Batch 216/248, train_loss: 0.2148, step time: 1.4049
Batch 217/248, train_loss: 0.2768, step time: 1.3794
Batch 218/248, train_loss: 0.7630, step time: 1.3852
Batch 219/248, train_loss: 0.0641, step time: 1.3936
Batch 220/248, train_loss: 0.1977, step time: 1.3757
Batch 221/248, train_loss: 0.2656, step time: 1.3905
Batch 222/248, train_loss: 0.2038, step time: 1.3868
Batch 223/248, train_loss: 0.0459, step time: 1.3850
Batch 224/248, train_loss: 0.0927, step time: 1.3792
Batch 225/248, train_loss: 0.2430, step time: 1.3899
Batch 226/248, train_loss: 0.2880, step time: 1.3740
Batch 227/248, train_loss: 0.0839, step time: 1.3805
Batch 228/248, train_loss: 0.1399, step time: 1.3784
Batch 229/248, train_loss: 0.0891, step time: 1.3837
Batch 230/248, train_loss: 0.0617, step time: 1.3755
Batch 231/248, train_loss: 0.3070, step time: 1.4013
Batch 232/248, train_loss: 0.0686, step time: 1.3614
Batch 233/248, train_loss: 0.9363, step time: 1.3874
Batch 234/248, train_loss: 0.3957, step time: 1.3698
Batch 235/248, train_loss: 0.2213, step time: 1.3914
Batch 236/248, train_loss: 0.7338, step time: 1.3889
Batch 237/248, train_loss: 0.1223, step time: 1.3671
Batch 238/248, train_loss: 0.0892, step time: 1.3681
Batch 239/248, train_loss: 0.0592, step time: 1.3862
Batch 240/248, train_loss: 0.3375, step time: 1.3572
Batch 241/248, train_loss: 0.6673, step time: 1.4104
Batch 242/248, train_loss: 0.1352, step time: 1.3801
Batch 243/248, train_loss: 0.3790, step time: 1.3897
Batch 244/248, train_loss: 0.3791, step time: 1.3739
Batch 245/248, train_loss: 0.0716, step time: 1.3814

```
Batch 245/248, train_loss: 0.5810, step time: 1.3521  
Batch 246/248, train_loss: 0.5802, step time: 1.3945  
Batch 247/248, train_loss: 0.1068, step time: 1.3604  
Batch 248/248, train_loss: 0.9999, step time: 1.3412
```

Labels



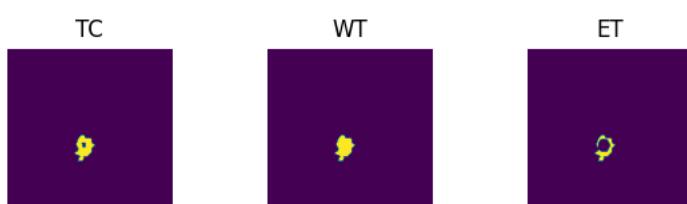
Predictions



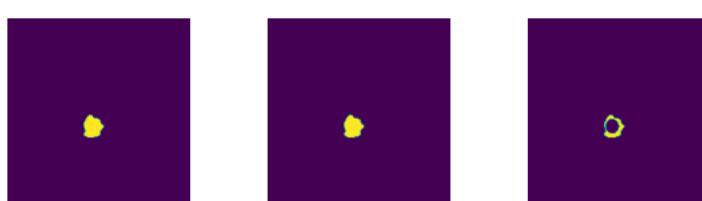
VAL

```
Batch 1/31, val_loss: 0.8418  
Batch 2/31, val_loss: 0.9883  
Batch 3/31, val_loss: 0.9612  
Batch 4/31, val_loss: 0.9380  
Batch 5/31, val_loss: 0.9927  
Batch 6/31, val_loss: 0.7060  
Batch 7/31, val_loss: 0.8864  
Batch 8/31, val_loss: 0.9338  
Batch 9/31, val_loss: 0.6960  
Batch 10/31, val_loss: 0.9115  
Batch 11/31, val_loss: 0.8174  
Batch 12/31, val_loss: 0.9721  
Batch 13/31, val_loss: 0.9956  
Batch 14/31, val_loss: 0.9364  
Batch 15/31, val_loss: 0.9851  
Batch 16/31, val_loss: 0.9714  
Batch 17/31, val_loss: 0.9621  
Batch 18/31, val_loss: 0.9326  
Batch 19/31, val_loss: 0.7376  
Batch 20/31, val_loss: 0.8658  
Batch 21/31, val_loss: 0.9025  
Batch 22/31, val_loss: 0.9649  
Batch 23/31, val_loss: 0.9672  
Batch 24/31, val_loss: 0.7375  
Batch 25/31, val_loss: 0.8034  
Batch 26/31, val_loss: 0.9221  
Batch 27/31, val_loss: 0.9740  
Batch 28/31, val_loss: 0.7434  
Batch 29/31, val_loss: 0.9837  
Batch 30/31, val_loss: 0.9660  
Batch 31/31, val_loss: 0.9714
```

Labels



Predictions



epoch 68

```
average train loss: 0.2642  
average validation loss: 0.9022
```

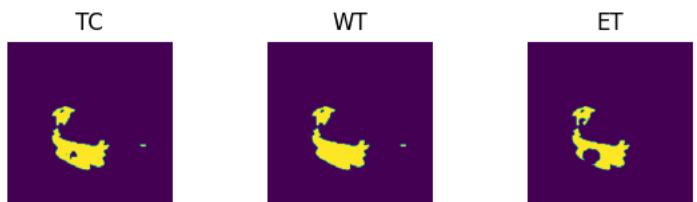
```
saved as best model: False
current mean dice: 0.5857
current TC dice: 0.6224
current WT dice: 0.6239
current ET dice: 0.5467
Best Mean Metric: 0.6100
time consuming of epoch 68 is: 1709.8892
-----
epoch 69/100
TRAIN
    Batch 1/248, train_loss: 0.0920, step time: 1.4490
    Batch 2/248, train_loss: 0.7628, step time: 1.3915
    Batch 3/248, train_loss: 0.3362, step time: 1.3594
    Batch 4/248, train_loss: 0.8911, step time: 1.3558
    Batch 5/248, train_loss: 0.2436, step time: 1.3701
    Batch 6/248, train_loss: 0.4468, step time: 1.3727
    Batch 7/248, train_loss: 0.0642, step time: 1.3770
    Batch 8/248, train_loss: 0.6322, step time: 1.3938
    Batch 9/248, train_loss: 0.0537, step time: 1.3725
    Batch 10/248, train_loss: 0.2251, step time: 1.3822
    Batch 11/248, train_loss: 0.2114, step time: 1.3623
    Batch 12/248, train_loss: 0.2964, step time: 1.3882
    Batch 13/248, train_loss: 0.2301, step time: 1.3833
    Batch 14/248, train_loss: 0.0649, step time: 1.3517
    Batch 15/248, train_loss: 0.3182, step time: 1.3570
    Batch 16/248, train_loss: 0.2015, step time: 1.3770
    Batch 17/248, train_loss: 0.2779, step time: 1.3660
    Batch 18/248, train_loss: 0.3061, step time: 1.3589
    Batch 19/248, train_loss: 0.5706, step time: 1.3597
    Batch 20/248, train_loss: 0.0743, step time: 1.3827
    Batch 21/248, train_loss: 0.0481, step time: 1.3595
    Batch 22/248, train_loss: 0.5814, step time: 1.3721
    Batch 23/248, train_loss: 0.5120, step time: 1.3826
    Batch 24/248, train_loss: 0.1123, step time: 1.3872
    Batch 25/248, train_loss: 0.0565, step time: 1.3944
    Batch 26/248, train_loss: 0.3926, step time: 1.3981
    Batch 27/248, train_loss: 0.0752, step time: 1.3901
    Batch 28/248, train_loss: 0.1620, step time: 1.3635
    Batch 29/248, train_loss: 0.4557, step time: 1.3719
    Batch 30/248, train_loss: 0.6130, step time: 1.3615
    Batch 31/248, train_loss: 0.2761, step time: 1.3899
    Batch 32/248, train_loss: 0.0990, step time: 1.3812
    Batch 33/248, train_loss: 0.0748, step time: 1.3939
    Batch 34/248, train_loss: 0.0589, step time: 1.3820
    Batch 35/248, train_loss: 0.0839, step time: 1.3851
    Batch 36/248, train_loss: 0.3901, step time: 1.3644
    Batch 37/248, train_loss: 0.1670, step time: 1.3534
    Batch 38/248, train_loss: 0.2935, step time: 1.3794
    Batch 39/248, train_loss: 0.1675, step time: 1.3715
    Batch 40/248, train_loss: 0.6139, step time: 1.3617
    Batch 41/248, train_loss: 0.1795, step time: 1.3847
    Batch 42/248, train_loss: 0.0730, step time: 1.3900
    Batch 43/248, train_loss: 0.0545, step time: 1.3642
    Batch 44/248, train_loss: 0.1146, step time: 1.3937
    Batch 45/248, train_loss: 0.6248, step time: 1.3862
    Batch 46/248, train_loss: 0.1705, step time: 1.3673
    Batch 47/248, train_loss: 0.0832, step time: 1.3718
    Batch 48/248, train_loss: 0.1549, step time: 1.3938
    Batch 49/248, train_loss: 0.4275, step time: 1.3844
    Batch 50/248, train_loss: 0.1131, step time: 1.3612
    Batch 51/248, train_loss: 0.1745, step time: 1.3885
    Batch 52/248, train_loss: 0.0938, step time: 1.3833
    Batch 53/248, train_loss: 0.3512, step time: 1.3970
    Batch 54/248, train_loss: 0.2366, step time: 1.4002
    Batch 55/248, train_loss: 0.2222, step time: 1.3640
    Batch 56/248, train_loss: 0.1624, step time: 1.3756
    Batch 57/248, train_loss: 0.2006, step time: 1.3768
    Batch 58/248, train_loss: 0.0640, step time: 1.3741
    Batch 59/248, train_loss: 0.1212, step time: 1.3782
    Batch 60/248, train_loss: 0.0612, step time: 1.3529
    Batch 61/248, train_loss: 0.1067, step time: 1.3771
    Batch 62/248, train_loss: 0.3277, step time: 1.3795
    Batch 63/248, train_loss: 0.3789, step time: 1.3568
    Batch 64/248, train_loss: 0.3699, step time: 1.3715
    Batch 65/248, train_loss: 0.2723, step time: 1.3741
    Batch 66/248, train_loss: 0.0922, step time: 1.3789
    Batch 67/248, train_loss: 0.0630, step time: 1.3766
    Batch 68/248, train_loss: 0.1411, step time: 1.3802
    Batch 69/248, train_loss: 0.4515, step time: 1.4068
    Batch 70/248, train_loss: 0.1894, step time: 1.3601
    Batch 71/248, train_loss: 0.1937, step time: 1.3877
    Batch 72/248, train_loss: 0.0493, step time: 1.3565
    Batch 73/248, train_loss: 0.3689, step time: 1.3685
    Batch 74/248, train_loss: 0.4753, step time: 1.3694
    Batch 75/248, train loss: 0.1103, step time: 1.3937
```

Batch 76/248, train_loss: 0.5509, step time: 1.3901
Batch 77/248, train_loss: 0.6784, step time: 1.3676
Batch 78/248, train_loss: 0.1293, step time: 1.3898
Batch 79/248, train_loss: 0.1349, step time: 1.3584
Batch 80/248, train_loss: 0.2068, step time: 1.3740
Batch 81/248, train_loss: 0.1389, step time: 1.3873
Batch 82/248, train_loss: 0.1011, step time: 1.3879
Batch 83/248, train_loss: 0.4612, step time: 1.3799
Batch 84/248, train_loss: 0.2268, step time: 1.3578
Batch 85/248, train_loss: 0.3070, step time: 1.3852
Batch 86/248, train_loss: 0.4562, step time: 1.3787
Batch 87/248, train_loss: 0.9031, step time: 1.3842
Batch 88/248, train_loss: 0.3453, step time: 1.3721
Batch 89/248, train_loss: 0.0712, step time: 1.3580
Batch 90/248, train_loss: 0.6001, step time: 1.3704
Batch 91/248, train_loss: 0.3181, step time: 1.3485
Batch 92/248, train_loss: 0.8032, step time: 1.3862
Batch 93/248, train_loss: 0.1440, step time: 1.3830
Batch 94/248, train_loss: 0.2981, step time: 1.3802
Batch 95/248, train_loss: 0.1450, step time: 1.3569
Batch 96/248, train_loss: 0.2020, step time: 1.3993
Batch 97/248, train_loss: 0.4602, step time: 1.3772
Batch 98/248, train_loss: 0.2674, step time: 1.3792
Batch 99/248, train_loss: 0.4105, step time: 1.3900
Batch 100/248, train_loss: 0.2622, step time: 1.3789
Batch 101/248, train_loss: 0.1031, step time: 1.3910
Batch 102/248, train_loss: 0.1729, step time: 1.3936
Batch 103/248, train_loss: 0.3472, step time: 1.3916
Batch 104/248, train_loss: 0.3224, step time: 1.3998
Batch 105/248, train_loss: 0.0901, step time: 1.3824
Batch 106/248, train_loss: 0.1173, step time: 1.3728
Batch 107/248, train_loss: 0.2576, step time: 1.3831
Batch 108/248, train_loss: 0.4819, step time: 1.3986
Batch 109/248, train_loss: 0.9018, step time: 1.3625
Batch 110/248, train_loss: 0.2904, step time: 1.3834
Batch 111/248, train_loss: 0.1029, step time: 1.3839
Batch 112/248, train_loss: 0.2015, step time: 1.3700
Batch 113/248, train_loss: 0.5694, step time: 1.3892
Batch 114/248, train_loss: 0.1825, step time: 1.3750
Batch 115/248, train_loss: 0.1609, step time: 1.3658
Batch 116/248, train_loss: 0.0636, step time: 1.3699
Batch 117/248, train_loss: 0.5902, step time: 1.3924
Batch 118/248, train_loss: 0.1479, step time: 1.3773
Batch 119/248, train_loss: 0.2839, step time: 1.3613
Batch 120/248, train_loss: 0.1999, step time: 1.3816
Batch 121/248, train_loss: 0.2863, step time: 1.4019
Batch 122/248, train_loss: 0.3954, step time: 1.3812
Batch 123/248, train_loss: 0.0864, step time: 1.3725
Batch 124/248, train_loss: 0.3344, step time: 1.3999
Batch 125/248, train_loss: 0.5449, step time: 1.3746
Batch 126/248, train_loss: 0.3837, step time: 1.3652
Batch 127/248, train_loss: 0.1646, step time: 1.3645
Batch 128/248, train_loss: 0.1558, step time: 1.3614
Batch 129/248, train_loss: 0.1008, step time: 1.3623
Batch 130/248, train_loss: 0.1141, step time: 1.3649
Batch 131/248, train_loss: 0.4123, step time: 1.3755
Batch 132/248, train_loss: 0.1630, step time: 1.3833
Batch 133/248, train_loss: 0.1139, step time: 1.3893
Batch 134/248, train_loss: 0.8801, step time: 1.3706
Batch 135/248, train_loss: 0.2244, step time: 1.3985
Batch 136/248, train_loss: 0.1406, step time: 1.3787
Batch 137/248, train_loss: 0.1041, step time: 1.3742
Batch 138/248, train_loss: 0.0792, step time: 1.3863
Batch 139/248, train_loss: 0.2947, step time: 1.3797
Batch 140/248, train_loss: 0.1543, step time: 1.3809
Batch 141/248, train_loss: 0.1390, step time: 1.3535
Batch 142/248, train_loss: 0.5144, step time: 1.3794
Batch 143/248, train_loss: 0.2309, step time: 1.3623
Batch 144/248, train_loss: 0.1336, step time: 1.3737
Batch 145/248, train_loss: 0.0594, step time: 1.3624
Batch 146/248, train_loss: 0.2892, step time: 1.3535
Batch 147/248, train_loss: 0.0457, step time: 1.3593
Batch 148/248, train_loss: 0.5536, step time: 1.3833
Batch 149/248, train_loss: 0.1140, step time: 1.3640
Batch 150/248, train_loss: 0.3198, step time: 1.3680
Batch 151/248, train_loss: 0.2080, step time: 1.3617
Batch 152/248, train_loss: 0.0360, step time: 1.3534
Batch 153/248, train_loss: 0.2141, step time: 1.3345
Batch 154/248, train_loss: 0.5221, step time: 1.3524
Batch 155/248, train_loss: 0.0850, step time: 1.3447
Batch 156/248, train_loss: 0.1658, step time: 1.3378
Batch 157/248, train_loss: 0.3481, step time: 1.3596
Batch 158/248, train_loss: 0.9768, step time: 1.3454
Batch 159/248, train_loss: 0.4012, step time: 1.3714
Batch 160/248, train_loss: 0.1003, step time: 1.3321

Batch 100/248, train_loss: 0.1003, step time: 1.3521
Batch 161/248, train_loss: 0.0766, step time: 1.3502
Batch 162/248, train_loss: 0.0594, step time: 1.3311
Batch 163/248, train_loss: 0.1254, step time: 1.3398
Batch 164/248, train_loss: 0.3059, step time: 1.3635
Batch 165/248, train_loss: 0.4064, step time: 1.3694
Batch 166/248, train_loss: 0.0850, step time: 1.3451
Batch 167/248, train_loss: 0.1613, step time: 1.3494
Batch 168/248, train_loss: 0.1445, step time: 1.3278
Batch 169/248, train_loss: 0.1012, step time: 1.3543
Batch 170/248, train_loss: 0.6073, step time: 1.3461
Batch 171/248, train_loss: 0.1217, step time: 1.3544
Batch 172/248, train_loss: 0.3810, step time: 1.3706
Batch 173/248, train_loss: 0.0705, step time: 1.3573
Batch 174/248, train_loss: 0.4214, step time: 1.3665
Batch 175/248, train_loss: 0.1925, step time: 1.3626
Batch 176/248, train_loss: 0.3703, step time: 1.3390
Batch 177/248, train_loss: 0.2007, step time: 1.3295
Batch 178/248, train_loss: 0.2153, step time: 1.3347
Batch 179/248, train_loss: 0.0588, step time: 1.3527
Batch 180/248, train_loss: 0.5511, step time: 1.3597
Batch 181/248, train_loss: 0.0858, step time: 1.3479
Batch 182/248, train_loss: 0.8954, step time: 1.3295
Batch 183/248, train_loss: 0.0956, step time: 1.3564
Batch 184/248, train_loss: 0.2490, step time: 1.3497
Batch 185/248, train_loss: 0.0878, step time: 1.3342
Batch 186/248, train_loss: 0.0707, step time: 1.3561
Batch 187/248, train_loss: 0.1626, step time: 1.3477
Batch 188/248, train_loss: 0.1841, step time: 1.3439
Batch 189/248, train_loss: 0.5238, step time: 1.3684
Batch 190/248, train_loss: 0.1490, step time: 1.3269
Batch 191/248, train_loss: 0.6249, step time: 1.3491
Batch 192/248, train_loss: 0.2143, step time: 1.3375
Batch 193/248, train_loss: 0.2289, step time: 1.3395
Batch 194/248, train_loss: 0.0909, step time: 1.3592
Batch 195/248, train_loss: 0.5939, step time: 1.3252
Batch 196/248, train_loss: 0.9901, step time: 1.3412
Batch 197/248, train_loss: 0.2298, step time: 1.3534
Batch 198/248, train_loss: 0.5964, step time: 1.3498
Batch 199/248, train_loss: 0.1409, step time: 1.3408
Batch 200/248, train_loss: 0.1301, step time: 1.3425
Batch 201/248, train_loss: 0.1152, step time: 1.3265
Batch 202/248, train_loss: 0.4749, step time: 1.3473
Batch 203/248, train_loss: 0.3287, step time: 1.3750
Batch 204/248, train_loss: 0.1326, step time: 1.3463
Batch 205/248, train_loss: 0.2413, step time: 1.3553
Batch 206/248, train_loss: 0.3373, step time: 1.3329
Batch 207/248, train_loss: 0.0889, step time: 1.3353
Batch 208/248, train_loss: 0.2631, step time: 1.3387
Batch 209/248, train_loss: 0.1242, step time: 1.3329
Batch 210/248, train_loss: 0.0639, step time: 1.3595
Batch 211/248, train_loss: 0.0624, step time: 1.3591
Batch 212/248, train_loss: 0.2431, step time: 1.3347
Batch 213/248, train_loss: 0.1421, step time: 1.3665
Batch 214/248, train_loss: 0.0816, step time: 1.3583
Batch 215/248, train_loss: 0.3293, step time: 1.3382
Batch 216/248, train_loss: 0.1980, step time: 1.3259
Batch 217/248, train_loss: 0.4231, step time: 1.3287
Batch 218/248, train_loss: 0.7882, step time: 1.3396
Batch 219/248, train_loss: 0.0604, step time: 1.3280
Batch 220/248, train_loss: 0.1927, step time: 1.3285
Batch 221/248, train_loss: 0.2622, step time: 1.3243
Batch 222/248, train_loss: 0.3073, step time: 1.3650
Batch 223/248, train_loss: 0.0524, step time: 1.3479
Batch 224/248, train_loss: 0.1042, step time: 1.3374
Batch 225/248, train_loss: 0.3195, step time: 1.3509
Batch 226/248, train_loss: 0.2069, step time: 1.3568
Batch 227/248, train_loss: 0.0969, step time: 1.3209
Batch 228/248, train_loss: 0.1767, step time: 1.3682
Batch 229/248, train_loss: 0.0982, step time: 1.3305
Batch 230/248, train_loss: 0.0820, step time: 1.3237
Batch 231/248, train_loss: 0.4840, step time: 1.3448
Batch 232/248, train_loss: 0.0907, step time: 1.3438
Batch 233/248, train_loss: 0.9466, step time: 1.3350
Batch 234/248, train_loss: 0.4031, step time: 1.3436
Batch 235/248, train_loss: 0.2473, step time: 1.3570
Batch 236/248, train_loss: 0.7456, step time: 1.3334
Batch 237/248, train_loss: 0.1707, step time: 1.3456
Batch 238/248, train_loss: 0.0737, step time: 1.3208
Batch 239/248, train_loss: 0.0845, step time: 1.3449
Batch 240/248, train_loss: 0.4513, step time: 1.3555
Batch 241/248, train_loss: 0.7171, step time: 1.3408
Batch 242/248, train_loss: 0.1617, step time: 1.3495
Batch 243/248, train_loss: 0.4566, step time: 1.3377
Batch 244/248, train_loss: 0.4183, step time: 1.3483

```
Batch 245/248, train_loss: 0.0/66, step time: 1.3499  
Batch 246/248, train_loss: 0.5463, step time: 1.3484  
Batch 247/248, train_loss: 0.0849, step time: 1.3302  
Batch 248/248, train_loss: 0.9999, step time: 1.3425
```

Labels



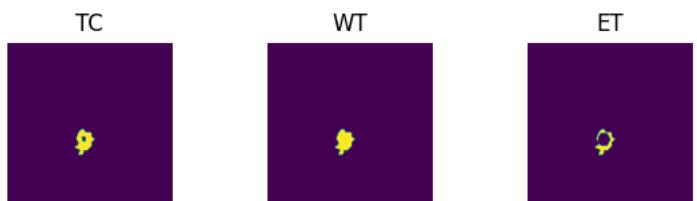
Predictions



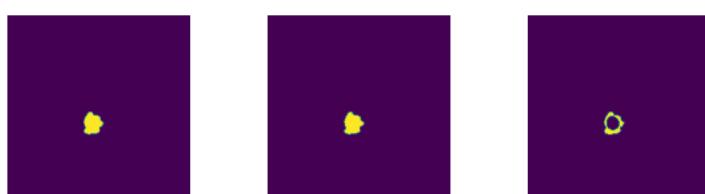
VAL

```
Batch 1/31, val_loss: 0.8454  
Batch 2/31, val_loss: 0.9887  
Batch 3/31, val_loss: 0.9608  
Batch 4/31, val_loss: 0.9362  
Batch 5/31, val_loss: 0.9910  
Batch 6/31, val_loss: 0.7130  
Batch 7/31, val_loss: 0.8470  
Batch 8/31, val_loss: 0.9391  
Batch 9/31, val_loss: 0.6914  
Batch 10/31, val_loss: 0.9107  
Batch 11/31, val_loss: 0.8190  
Batch 12/31, val_loss: 0.9718  
Batch 13/31, val_loss: 0.9983  
Batch 14/31, val_loss: 0.9393  
Batch 15/31, val_loss: 0.9851  
Batch 16/31, val_loss: 0.9717  
Batch 17/31, val_loss: 0.9622  
Batch 18/31, val_loss: 0.9332  
Batch 19/31, val_loss: 0.7416  
Batch 20/31, val_loss: 0.8652  
Batch 21/31, val_loss: 0.8832  
Batch 22/31, val_loss: 0.9594  
Batch 23/31, val_loss: 0.9689  
Batch 24/31, val_loss: 0.7345  
Batch 25/31, val_loss: 0.8081  
Batch 26/31, val_loss: 0.9276  
Batch 27/31, val_loss: 0.9763  
Batch 28/31, val_loss: 0.7454  
Batch 29/31, val_loss: 0.9838  
Batch 30/31, val_loss: 0.9618  
Batch 31/31, val_loss: 0.9737
```

Labels



Predictions



epoch 69

```
average train loss: 0.2748  
average validation loss: 0.9011
```

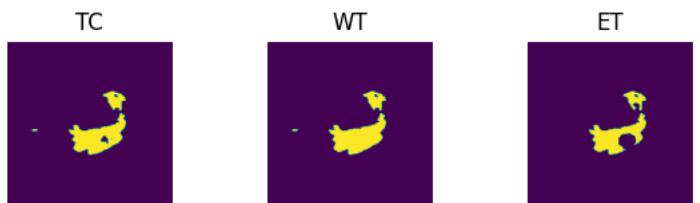
```
-----  
saved as best model: False  
current mean dice: 0.5977  
current TC dice: 0.6319  
current WT dice: 0.6370  
current ET dice: 0.5637  
Best Mean Metric: 0.6100  
time consuming of epoch 69 is: 1714.3684  
-----  
epoch 70/100  
TRAIN  
Batch 1/248, train_loss: 0.0832, step time: 1.3930  
Batch 2/248, train_loss: 0.7381, step time: 1.3439  
Batch 3/248, train_loss: 0.3034, step time: 1.3427  
Batch 4/248, train_loss: 0.8934, step time: 1.3382  
Batch 5/248, train_loss: 0.2336, step time: 1.3407  
Batch 6/248, train_loss: 0.2173, step time: 1.3275  
Batch 7/248, train_loss: 0.0719, step time: 1.3596  
Batch 8/248, train_loss: 0.6899, step time: 1.3639  
Batch 9/248, train_loss: 0.0361, step time: 1.3184  
Batch 10/248, train_loss: 0.2314, step time: 1.3519  
Batch 11/248, train_loss: 0.1629, step time: 1.3534  
Batch 12/248, train_loss: 0.3422, step time: 1.3649  
Batch 13/248, train_loss: 0.2689, step time: 1.3262  
Batch 14/248, train_loss: 0.0526, step time: 1.3256  
Batch 15/248, train_loss: 0.3195, step time: 1.3485  
Batch 16/248, train_loss: 0.1334, step time: 1.3557  
Batch 17/248, train_loss: 0.2423, step time: 1.3385  
Batch 18/248, train_loss: 0.3298, step time: 1.3476  
Batch 19/248, train_loss: 0.1849, step time: 1.3648  
Batch 20/248, train_loss: 0.0836, step time: 1.3376  
Batch 21/248, train_loss: 0.0415, step time: 1.3547  
Batch 22/248, train_loss: 0.3368, step time: 1.3507  
Batch 23/248, train_loss: 0.3552, step time: 1.3397  
Batch 24/248, train_loss: 0.1144, step time: 1.3644  
Batch 25/248, train_loss: 0.0630, step time: 1.3201  
Batch 26/248, train_loss: 0.3447, step time: 1.3507  
Batch 27/248, train_loss: 0.0657, step time: 1.3175  
Batch 28/248, train_loss: 0.1732, step time: 1.3288  
Batch 29/248, train_loss: 0.3959, step time: 1.3622  
Batch 30/248, train_loss: 0.2005, step time: 1.3327  
Batch 31/248, train_loss: 0.2822, step time: 1.3309  
Batch 32/248, train_loss: 0.0743, step time: 1.3385  
Batch 33/248, train_loss: 0.0755, step time: 1.3610  
Batch 34/248, train_loss: 0.0465, step time: 1.3250  
Batch 35/248, train_loss: 0.0688, step time: 1.3250  
Batch 36/248, train_loss: 0.4937, step time: 1.3542  
Batch 37/248, train_loss: 0.1450, step time: 1.3238  
Batch 38/248, train_loss: 0.3062, step time: 1.3281  
Batch 39/248, train_loss: 0.1838, step time: 1.3531  
Batch 40/248, train_loss: 0.8406, step time: 1.3601  
Batch 41/248, train_loss: 0.1894, step time: 1.3269  
Batch 42/248, train_loss: 0.0615, step time: 1.3267  
Batch 43/248, train_loss: 0.0467, step time: 1.3507  
Batch 44/248, train_loss: 0.1649, step time: 1.3354  
Batch 45/248, train_loss: 0.5309, step time: 1.3539  
Batch 46/248, train_loss: 0.1633, step time: 1.3584  
Batch 47/248, train_loss: 0.0662, step time: 1.3560  
Batch 48/248, train_loss: 0.2506, step time: 1.3474  
Batch 49/248, train_loss: 0.3972, step time: 1.3438  
Batch 50/248, train_loss: 0.1277, step time: 1.3302  
Batch 51/248, train_loss: 0.1621, step time: 1.3516  
Batch 52/248, train_loss: 0.1197, step time: 1.3285  
Batch 53/248, train_loss: 0.3578, step time: 1.3485  
Batch 54/248, train_loss: 0.2563, step time: 1.3169  
Batch 55/248, train_loss: 0.2395, step time: 1.3285  
Batch 56/248, train_loss: 0.1807, step time: 1.3562  
Batch 57/248, train_loss: 0.2804, step time: 1.3257  
Batch 58/248, train_loss: 0.0705, step time: 1.3517  
Batch 59/248, train_loss: 0.0763, step time: 1.3463  
Batch 60/248, train_loss: 0.0647, step time: 1.3584  
Batch 61/248, train_loss: 0.0773, step time: 1.3413  
Batch 62/248, train_loss: 0.2268, step time: 1.3338  
Batch 63/248, train_loss: 0.3814, step time: 1.3298  
Batch 64/248, train_loss: 0.4135, step time: 1.3260  
Batch 65/248, train_loss: 0.2134, step time: 1.3600  
Batch 66/248, train_loss: 0.1119, step time: 1.3384  
Batch 67/248, train_loss: 0.0722, step time: 1.3268  
Batch 68/248, train_loss: 0.1567, step time: 1.3437  
Batch 69/248, train_loss: 0.5054, step time: 1.3410  
Batch 70/248, train_loss: 0.2113, step time: 1.3210  
Batch 71/248, train_loss: 0.1264, step time: 1.3221  
Batch 72/248, train_loss: 0.0576, step time: 1.3306  
Batch 73/248, train_loss: 0.1189, step time: 1.3418  
Batch 74/248, train_loss: 0.4251, step time: 1.3655  
Batch 75/248, train_loss: 0.1125, step time: 1.3251
```

Batch 1/248, train_loss: 0.1129, step time: 1.3554
Batch 2/248, train_loss: 0.7359, step time: 1.3614
Batch 3/248, train_loss: 0.7758, step time: 1.3345
Batch 4/248, train_loss: 0.0760, step time: 1.3229
Batch 5/248, train_loss: 0.1293, step time: 1.3570
Batch 6/248, train_loss: 0.1922, step time: 1.3485
Batch 7/248, train_loss: 0.1980, step time: 1.3372
Batch 8/248, train_loss: 0.0776, step time: 1.3181
Batch 9/248, train_loss: 0.4984, step time: 1.3239
Batch 10/248, train_loss: 0.2066, step time: 1.3453
Batch 11/248, train_loss: 0.3776, step time: 1.3374
Batch 12/248, train_loss: 0.2058, step time: 1.3257
Batch 13/248, train_loss: 0.7697, step time: 1.3346
Batch 14/248, train_loss: 0.3485, step time: 1.3587
Batch 15/248, train_loss: 0.0667, step time: 1.3307
Batch 16/248, train_loss: 0.1903, step time: 1.3185
Batch 17/248, train_loss: 0.3071, step time: 1.3471
Batch 18/248, train_loss: 0.6968, step time: 1.3391
Batch 19/248, train_loss: 0.1656, step time: 1.3611
Batch 20/248, train_loss: 0.3796, step time: 1.3358
Batch 21/248, train_loss: 0.1699, step time: 1.3449
Batch 22/248, train_loss: 0.1437, step time: 1.3370
Batch 23/248, train_loss: 0.7537, step time: 1.3556
Batch 24/248, train_loss: 0.1234, step time: 1.3255
Batch 25/248, train_loss: 0.2999, step time: 1.3324
Batch 26/248, train_loss: 0.3691, step time: 1.3600
Batch 27/248, train_loss: 0.0485, step time: 1.3295
Batch 28/248, train_loss: 0.1361, step time: 1.3257
Batch 29/248, train_loss: 0.3524, step time: 1.3302
Batch 30/248, train_loss: 0.3927, step time: 1.3306
Batch 31/248, train_loss: 0.1076, step time: 1.3317
Batch 32/248, train_loss: 0.1357, step time: 1.3586
Batch 33/248, train_loss: 0.2050, step time: 1.3213
Batch 34/248, train_loss: 0.5617, step time: 1.3513
Batch 35/248, train_loss: 0.8939, step time: 1.3578
Batch 36/248, train_loss: 0.2440, step time: 1.3391
Batch 37/248, train_loss: 0.0908, step time: 1.3266
Batch 38/248, train_loss: 0.2661, step time: 1.3234
Batch 39/248, train_loss: 0.5419, step time: 1.3279
Batch 40/248, train_loss: 0.1340, step time: 1.3170
Batch 41/248, train_loss: 0.2936, step time: 1.3292
Batch 42/248, train_loss: 0.0712, step time: 1.3315
Batch 43/248, train_loss: 0.8119, step time: 1.3685
Batch 44/248, train_loss: 0.1701, step time: 1.3455
Batch 45/248, train_loss: 0.2622, step time: 1.3287
Batch 46/248, train_loss: 0.2074, step time: 1.3288
Batch 47/248, train_loss: 0.3429, step time: 1.3457
Batch 48/248, train_loss: 0.4311, step time: 1.3374
Batch 49/248, train_loss: 0.0909, step time: 1.3543
Batch 50/248, train_loss: 0.3170, step time: 1.3438
Batch 51/248, train_loss: 0.4603, step time: 1.3408
Batch 52/248, train_loss: 0.2083, step time: 1.3304
Batch 53/248, train_loss: 0.1203, step time: 1.3545
Batch 54/248, train_loss: 0.1451, step time: 1.3564
Batch 55/248, train_loss: 0.0771, step time: 1.3426
Batch 56/248, train_loss: 0.1092, step time: 1.3580
Batch 57/248, train_loss: 0.4123, step time: 1.3264
Batch 58/248, train_loss: 0.1667, step time: 1.3330
Batch 59/248, train_loss: 0.1368, step time: 1.3310
Batch 60/248, train_loss: 0.8900, step time: 1.3544
Batch 61/248, train_loss: 0.2238, step time: 1.3304
Batch 62/248, train_loss: 0.1158, step time: 1.3541
Batch 63/248, train_loss: 0.1121, step time: 1.3210
Batch 64/248, train_loss: 0.0856, step time: 1.3368
Batch 65/248, train_loss: 0.1927, step time: 1.3490
Batch 66/248, train_loss: 0.1610, step time: 1.3511
Batch 67/248, train_loss: 0.1693, step time: 1.3643
Batch 68/248, train_loss: 0.4704, step time: 1.3697
Batch 69/248, train_loss: 0.2011, step time: 1.3170
Batch 70/248, train_loss: 0.1002, step time: 1.3523
Batch 71/248, train_loss: 0.0528, step time: 1.3500
Batch 72/248, train_loss: 0.3783, step time: 1.3418
Batch 73/248, train_loss: 0.0422, step time: 1.3174
Batch 74/248, train_loss: 0.6986, step time: 1.3305
Batch 75/248, train_loss: 0.1173, step time: 1.3259
Batch 76/248, train_loss: 0.4349, step time: 1.3451
Batch 77/248, train_loss: 0.2566, step time: 1.3559
Batch 78/248, train_loss: 0.0378, step time: 1.3307
Batch 79/248, train_loss: 0.3715, step time: 1.3543
Batch 80/248, train_loss: 0.4865, step time: 1.3331
Batch 81/248, train_loss: 0.0743, step time: 1.3157
Batch 82/248, train_loss: 0.2981, step time: 1.3307
Batch 83/248, train_loss: 0.3494, step time: 1.3235
Batch 84/248, train_loss: 0.8225, step time: 1.3276
Batch 85/248, train_loss: 0.4444, step time: 1.3272

Batch 160/248, train_loss: 0.0783, step time: 1.3491
Batch 161/248, train_loss: 0.0541, step time: 1.3317
Batch 162/248, train_loss: 0.3435, step time: 1.3681
Batch 163/248, train_loss: 0.1114, step time: 1.3489
Batch 164/248, train_loss: 0.2782, step time: 1.3433
Batch 165/248, train_loss: 0.5078, step time: 1.3714
Batch 166/248, train_loss: 0.0794, step time: 1.3452
Batch 167/248, train_loss: 0.1642, step time: 1.3198
Batch 168/248, train_loss: 0.1333, step time: 1.3175
Batch 169/248, train_loss: 0.0987, step time: 1.3628
Batch 170/248, train_loss: 0.5837, step time: 1.3619
Batch 171/248, train_loss: 0.1967, step time: 1.3623
Batch 172/248, train_loss: 0.5787, step time: 1.3612
Batch 173/248, train_loss: 0.1624, step time: 1.3568
Batch 174/248, train_loss: 0.6094, step time: 1.3305
Batch 175/248, train_loss: 0.2644, step time: 1.3430
Batch 176/248, train_loss: 0.3631, step time: 1.3527
Batch 177/248, train_loss: 0.2127, step time: 1.3359
Batch 178/248, train_loss: 0.2813, step time: 1.3335
Batch 179/248, train_loss: 0.0818, step time: 1.3619
Batch 180/248, train_loss: 0.2228, step time: 1.3559
Batch 181/248, train_loss: 0.0911, step time: 1.3663
Batch 182/248, train_loss: 0.9261, step time: 1.3498
Batch 183/248, train_loss: 0.1546, step time: 1.3400
Batch 184/248, train_loss: 0.2777, step time: 1.3328
Batch 185/248, train_loss: 0.1208, step time: 1.3375
Batch 186/248, train_loss: 0.0969, step time: 1.3513
Batch 187/248, train_loss: 0.2096, step time: 1.3621
Batch 188/248, train_loss: 0.2326, step time: 1.3377
Batch 189/248, train_loss: 0.5749, step time: 1.3648
Batch 190/248, train_loss: 0.1569, step time: 1.3290
Batch 191/248, train_loss: 0.6949, step time: 1.3622
Batch 192/248, train_loss: 0.3241, step time: 1.3401
Batch 193/248, train_loss: 0.2404, step time: 1.3353
Batch 194/248, train_loss: 0.0829, step time: 1.3328
Batch 195/248, train_loss: 0.9172, step time: 1.3584
Batch 196/248, train_loss: 0.6688, step time: 1.3625
Batch 197/248, train_loss: 0.3133, step time: 1.3347
Batch 198/248, train_loss: 0.6346, step time: 1.3615
Batch 199/248, train_loss: 0.1465, step time: 1.3513
Batch 200/248, train_loss: 0.1222, step time: 1.3628
Batch 201/248, train_loss: 0.1154, step time: 1.3404
Batch 202/248, train_loss: 0.4663, step time: 1.3417
Batch 203/248, train_loss: 0.4362, step time: 1.3615
Batch 204/248, train_loss: 0.2298, step time: 1.3334
Batch 205/248, train_loss: 0.2543, step time: 1.3280
Batch 206/248, train_loss: 0.4109, step time: 1.3679
Batch 207/248, train_loss: 0.0860, step time: 1.3533
Batch 208/248, train_loss: 0.1455, step time: 1.3285
Batch 209/248, train_loss: 0.1842, step time: 1.3300
Batch 210/248, train_loss: 0.0952, step time: 1.3447
Batch 211/248, train_loss: 0.0676, step time: 1.3295
Batch 212/248, train_loss: 0.3193, step time: 1.3433
Batch 213/248, train_loss: 0.1752, step time: 1.3231
Batch 214/248, train_loss: 0.0748, step time: 1.3416
Batch 215/248, train_loss: 0.4311, step time: 1.3629
Batch 216/248, train_loss: 0.1918, step time: 1.3306
Batch 217/248, train_loss: 0.3417, step time: 1.3586
Batch 218/248, train_loss: 0.7169, step time: 1.3232
Batch 219/248, train_loss: 0.0659, step time: 1.3254
Batch 220/248, train_loss: 0.2511, step time: 1.3404
Batch 221/248, train_loss: 0.3013, step time: 1.3634
Batch 222/248, train_loss: 0.2142, step time: 1.3505
Batch 223/248, train_loss: 0.0421, step time: 1.3197
Batch 224/248, train_loss: 0.1097, step time: 1.3331
Batch 225/248, train_loss: 0.6591, step time: 1.3671
Batch 226/248, train_loss: 0.2148, step time: 1.3324
Batch 227/248, train_loss: 0.0965, step time: 1.3184
Batch 228/248, train_loss: 0.1721, step time: 1.3333
Batch 229/248, train_loss: 0.0867, step time: 1.3280
Batch 230/248, train_loss: 0.0730, step time: 1.3360
Batch 231/248, train_loss: 0.3256, step time: 1.3403
Batch 232/248, train_loss: 0.0735, step time: 1.3299
Batch 233/248, train_loss: 0.9700, step time: 1.3295
Batch 234/248, train_loss: 0.4214, step time: 1.3316
Batch 235/248, train_loss: 0.1981, step time: 1.3417
Batch 236/248, train_loss: 0.7847, step time: 1.3502
Batch 237/248, train_loss: 0.1271, step time: 1.3227
Batch 238/248, train_loss: 0.1179, step time: 1.3248
Batch 239/248, train_loss: 0.0824, step time: 1.3312
Batch 240/248, train_loss: 0.3468, step time: 1.3563
Batch 241/248, train_loss: 0.6107, step time: 1.3713
Batch 242/248, train_loss: 0.1438, step time: 1.3497
Batch 243/248, train_loss: 0.4016, step time: 1.3456
Batch 244/248, train_loss: 0.4050, step time: 1.3606

```
Batch 245/248, train_loss: 0.0663, step time: 1.3389  
Batch 246/248, train_loss: 0.5540, step time: 1.3645  
Batch 247/248, train_loss: 0.0740, step time: 1.3368  
Batch 248/248, train_loss: 0.9996, step time: 1.3450
```

Labels



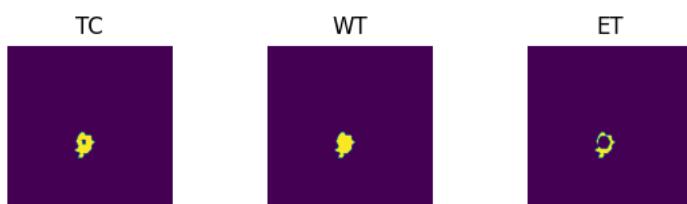
Predictions



VAL

```
Batch 1/31, val_loss: 0.8315  
Batch 2/31, val_loss: 0.9882  
Batch 3/31, val_loss: 0.9616  
Batch 4/31, val_loss: 0.9381  
Batch 5/31, val_loss: 0.9909  
Batch 6/31, val_loss: 0.6880  
Batch 7/31, val_loss: 0.8236  
Batch 8/31, val_loss: 0.9359  
Batch 9/31, val_loss: 0.6889  
Batch 10/31, val_loss: 0.9157  
Batch 11/31, val_loss: 0.8169  
Batch 12/31, val_loss: 0.9710  
Batch 13/31, val_loss: 0.9950  
Batch 14/31, val_loss: 0.9360  
Batch 15/31, val_loss: 0.9844  
Batch 16/31, val_loss: 0.9714  
Batch 17/31, val_loss: 0.9632  
Batch 18/31, val_loss: 0.9312  
Batch 19/31, val_loss: 0.7409  
Batch 20/31, val_loss: 0.8498  
Batch 21/31, val_loss: 0.8758  
Batch 22/31, val_loss: 0.9631  
Batch 23/31, val_loss: 0.9689  
Batch 24/31, val_loss: 0.7367  
Batch 25/31, val_loss: 0.8030  
Batch 26/31, val_loss: 0.9211  
Batch 27/31, val_loss: 0.9772  
Batch 28/31, val_loss: 0.7443  
Batch 29/31, val_loss: 0.9830  
Batch 30/31, val_loss: 0.9668  
Batch 31/31, val_loss: 0.9722
```

Labels



Predictions



epoch 70

```
average train loss: 0.2748
```

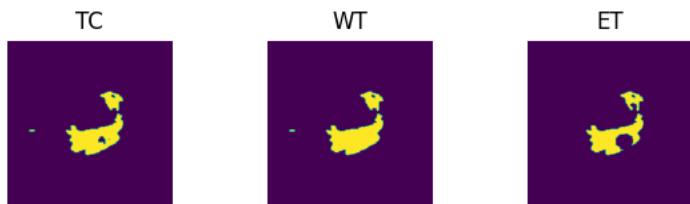
```
average validation loss: 0.8979
saved as best model: True
current mean dice: 0.6305
current TC dice: 0.6640
current WT dice: 0.6710
current ET dice: 0.5902
Best Mean Metric: 0.6305
time consuming of epoch 70 is: 1702.8715
-----
epoch 71/100
TRAIN
Batch 1/248, train_loss: 0.0845, step time: 1.3870
Batch 2/248, train_loss: 0.6596, step time: 1.3677
Batch 3/248, train_loss: 0.3194, step time: 1.3632
Batch 4/248, train_loss: 0.9314, step time: 1.3480
Batch 5/248, train_loss: 0.2102, step time: 1.3361
Batch 6/248, train_loss: 0.1978, step time: 1.3368
Batch 7/248, train_loss: 0.0673, step time: 1.3235
Batch 8/248, train_loss: 0.6585, step time: 1.3233
Batch 9/248, train_loss: 0.0415, step time: 1.3487
Batch 10/248, train_loss: 0.2098, step time: 1.3296
Batch 11/248, train_loss: 0.3093, step time: 1.3357
Batch 12/248, train_loss: 0.3157, step time: 1.3388
Batch 13/248, train_loss: 0.2308, step time: 1.3325
Batch 14/248, train_loss: 0.0496, step time: 1.3250
Batch 15/248, train_loss: 0.3709, step time: 1.3405
Batch 16/248, train_loss: 0.1397, step time: 1.3631
Batch 17/248, train_loss: 0.2241, step time: 1.3466
Batch 18/248, train_loss: 0.2960, step time: 1.3356
Batch 19/248, train_loss: 0.1253, step time: 1.3290
Batch 20/248, train_loss: 0.1218, step time: 1.3604
Batch 21/248, train_loss: 0.0552, step time: 1.3266
Batch 22/248, train_loss: 0.4836, step time: 1.3433
Batch 23/248, train_loss: 0.3966, step time: 1.3341
Batch 24/248, train_loss: 0.0823, step time: 1.3530
Batch 25/248, train_loss: 0.0566, step time: 1.3262
Batch 26/248, train_loss: 0.3311, step time: 1.3456
Batch 27/248, train_loss: 0.0700, step time: 1.3411
Batch 28/248, train_loss: 0.1759, step time: 1.3359
Batch 29/248, train_loss: 0.3224, step time: 1.3389
Batch 30/248, train_loss: 0.2329, step time: 1.3387
Batch 31/248, train_loss: 0.4659, step time: 1.3358
Batch 32/248, train_loss: 0.0693, step time: 1.3429
Batch 33/248, train_loss: 0.0663, step time: 1.3465
Batch 34/248, train_loss: 0.0414, step time: 1.3298
Batch 35/248, train_loss: 0.0569, step time: 1.3594
Batch 36/248, train_loss: 0.5058, step time: 1.3548
Batch 37/248, train_loss: 0.1365, step time: 1.3322
Batch 38/248, train_loss: 0.2919, step time: 1.3268
Batch 39/248, train_loss: 0.1307, step time: 1.3463
Batch 40/248, train_loss: 0.5633, step time: 1.3473
Batch 41/248, train_loss: 0.1859, step time: 1.3258
Batch 42/248, train_loss: 0.0642, step time: 1.3418
Batch 43/248, train_loss: 0.1659, step time: 1.3401
Batch 44/248, train_loss: 0.1379, step time: 1.3220
Batch 45/248, train_loss: 0.5851, step time: 1.3602
Batch 46/248, train_loss: 0.1632, step time: 1.3425
Batch 47/248, train_loss: 0.0718, step time: 1.3494
Batch 48/248, train_loss: 0.5607, step time: 1.3397
Batch 49/248, train_loss: 0.4388, step time: 1.3369
Batch 50/248, train_loss: 0.1229, step time: 1.3468
Batch 51/248, train_loss: 0.1501, step time: 1.3484
Batch 52/248, train_loss: 0.1388, step time: 1.3580
Batch 53/248, train_loss: 0.3718, step time: 1.3356
Batch 54/248, train_loss: 0.2276, step time: 1.3436
Batch 55/248, train_loss: 0.2292, step time: 1.3438
Batch 56/248, train_loss: 0.1583, step time: 1.3607
Batch 57/248, train_loss: 0.3674, step time: 1.3309
Batch 58/248, train_loss: 0.0751, step time: 1.3421
Batch 59/248, train_loss: 0.1076, step time: 1.3261
Batch 60/248, train_loss: 0.0653, step time: 1.3258
Batch 61/248, train_loss: 0.0871, step time: 1.3537
Batch 62/248, train_loss: 0.2721, step time: 1.3579
Batch 63/248, train_loss: 0.3558, step time: 1.3336
Batch 64/248, train_loss: 0.3699, step time: 1.3461
Batch 65/248, train_loss: 0.2922, step time: 1.3456
Batch 66/248, train_loss: 0.1184, step time: 1.3565
Batch 67/248, train_loss: 0.0753, step time: 1.3379
Batch 68/248, train_loss: 0.1262, step time: 1.3437
Batch 69/248, train_loss: 0.5830, step time: 1.3651
Batch 70/248, train_loss: 0.1801, step time: 1.3223
Batch 71/248, train_loss: 0.1210, step time: 1.3326
Batch 72/248, train_loss: 0.0506, step time: 1.3281
Batch 73/248, train_loss: 0.1631, step time: 1.3281
Batch 74/248, train_loss: 0.9856, step time: 1.3231
```

Batch 75/248, train_loss: 0.1930, step time: 1.3603
Batch 76/248, train_loss: 0.5663, step time: 1.3356
Batch 77/248, train_loss: 0.7641, step time: 1.3226
Batch 78/248, train_loss: 0.0876, step time: 1.3455
Batch 79/248, train_loss: 0.1498, step time: 1.3422
Batch 80/248, train_loss: 0.2229, step time: 1.3296
Batch 81/248, train_loss: 0.1470, step time: 1.3169
Batch 82/248, train_loss: 0.0826, step time: 1.3163
Batch 83/248, train_loss: 0.5062, step time: 1.3504
Batch 84/248, train_loss: 0.2838, step time: 1.3456
Batch 85/248, train_loss: 0.3744, step time: 1.3378
Batch 86/248, train_loss: 0.2295, step time: 1.3219
Batch 87/248, train_loss: 0.8740, step time: 1.3456
Batch 88/248, train_loss: 0.3448, step time: 1.3190
Batch 89/248, train_loss: 0.0756, step time: 1.3366
Batch 90/248, train_loss: 0.1936, step time: 1.3473
Batch 91/248, train_loss: 0.3408, step time: 1.3658
Batch 92/248, train_loss: 0.7364, step time: 1.3326
Batch 93/248, train_loss: 0.1500, step time: 1.3438
Batch 94/248, train_loss: 0.3560, step time: 1.3347
Batch 95/248, train_loss: 0.1839, step time: 1.3343
Batch 96/248, train_loss: 0.1611, step time: 1.3430
Batch 97/248, train_loss: 0.5204, step time: 1.3533
Batch 98/248, train_loss: 0.1059, step time: 1.3323
Batch 99/248, train_loss: 0.3670, step time: 1.3350
Batch 100/248, train_loss: 0.3240, step time: 1.3541
Batch 101/248, train_loss: 0.0475, step time: 1.3207
Batch 102/248, train_loss: 0.1171, step time: 1.3459
Batch 103/248, train_loss: 0.3712, step time: 1.3633
Batch 104/248, train_loss: 0.2530, step time: 1.3320
Batch 105/248, train_loss: 0.0921, step time: 1.3401
Batch 106/248, train_loss: 0.1234, step time: 1.3310
Batch 107/248, train_loss: 0.4695, step time: 1.3290
Batch 108/248, train_loss: 0.6002, step time: 1.3477
Batch 109/248, train_loss: 0.9292, step time: 1.3524
Batch 110/248, train_loss: 0.3521, step time: 1.3269
Batch 111/248, train_loss: 0.1004, step time: 1.3343
Batch 112/248, train_loss: 0.2060, step time: 1.3526
Batch 113/248, train_loss: 0.5751, step time: 1.3449
Batch 114/248, train_loss: 0.1339, step time: 1.3365
Batch 115/248, train_loss: 0.3004, step time: 1.3535
Batch 116/248, train_loss: 0.0808, step time: 1.3437
Batch 117/248, train_loss: 0.5091, step time: 1.3296
Batch 118/248, train_loss: 0.5002, step time: 1.3646
Batch 119/248, train_loss: 0.2754, step time: 1.3468
Batch 120/248, train_loss: 0.2833, step time: 1.3577
Batch 121/248, train_loss: 0.2682, step time: 1.3401
Batch 122/248, train_loss: 0.4881, step time: 1.3365
Batch 123/248, train_loss: 0.0645, step time: 1.3374
Batch 124/248, train_loss: 0.3698, step time: 1.3565
Batch 125/248, train_loss: 0.4976, step time: 1.3394
Batch 126/248, train_loss: 0.2193, step time: 1.3435
Batch 127/248, train_loss: 0.1141, step time: 1.3422
Batch 128/248, train_loss: 0.1346, step time: 1.3485
Batch 129/248, train_loss: 0.1138, step time: 1.3542
Batch 130/248, train_loss: 0.0810, step time: 1.3517
Batch 131/248, train_loss: 0.4732, step time: 1.3288
Batch 132/248, train_loss: 0.1656, step time: 1.3268
Batch 133/248, train_loss: 0.1158, step time: 1.3244
Batch 134/248, train_loss: 0.8544, step time: 1.3447
Batch 135/248, train_loss: 0.1649, step time: 1.3574
Batch 136/248, train_loss: 0.0994, step time: 1.3455
Batch 137/248, train_loss: 0.1156, step time: 1.3627
Batch 138/248, train_loss: 0.0715, step time: 1.3430
Batch 139/248, train_loss: 0.1182, step time: 1.3183
Batch 140/248, train_loss: 0.1617, step time: 1.3239
Batch 141/248, train_loss: 0.1611, step time: 1.3315
Batch 142/248, train_loss: 0.6309, step time: 1.3644
Batch 143/248, train_loss: 0.2336, step time: 1.3574
Batch 144/248, train_loss: 0.1292, step time: 1.3341
Batch 145/248, train_loss: 0.0467, step time: 1.3391
Batch 146/248, train_loss: 0.4075, step time: 1.3372
Batch 147/248, train_loss: 0.0437, step time: 1.3528
Batch 148/248, train_loss: 0.5777, step time: 1.3324
Batch 149/248, train_loss: 0.1140, step time: 1.3385
Batch 150/248, train_loss: 0.5082, step time: 1.3258
Batch 151/248, train_loss: 0.1954, step time: 1.3455
Batch 152/248, train_loss: 0.0352, step time: 1.3437
Batch 153/248, train_loss: 0.1772, step time: 1.3398
Batch 154/248, train_loss: 0.5486, step time: 1.3382
Batch 155/248, train_loss: 0.0900, step time: 1.3344
Batch 156/248, train_loss: 0.1473, step time: 1.3591
Batch 157/248, train_loss: 0.3371, step time: 1.3444
Batch 158/248, train_loss: 0.8272, step time: 1.3414
Batch 159/248, train_loss: 0.3062, step time: 1.3505

Batch 160/248, train_loss: 0.0855, step time: 1.3248
Batch 161/248, train_loss: 0.0615, step time: 1.3503
Batch 162/248, train_loss: 0.0754, step time: 1.3214
Batch 163/248, train_loss: 0.1227, step time: 1.3294
Batch 164/248, train_loss: 0.2083, step time: 1.3222
Batch 165/248, train_loss: 0.4410, step time: 1.3463
Batch 166/248, train_loss: 0.1059, step time: 1.3265
Batch 167/248, train_loss: 0.1549, step time: 1.3317
Batch 168/248, train_loss: 0.1328, step time: 1.3492
Batch 169/248, train_loss: 0.0958, step time: 1.3405
Batch 170/248, train_loss: 0.4488, step time: 1.3400
Batch 171/248, train_loss: 0.0740, step time: 1.3199
Batch 172/248, train_loss: 0.5428, step time: 1.3305
Batch 173/248, train_loss: 0.0693, step time: 1.3169
Batch 174/248, train_loss: 0.3475, step time: 1.3574
Batch 175/248, train_loss: 0.1441, step time: 1.3246
Batch 176/248, train_loss: 0.3674, step time: 1.3246
Batch 177/248, train_loss: 0.3493, step time: 1.3486
Batch 178/248, train_loss: 0.2243, step time: 1.3321
Batch 179/248, train_loss: 0.0706, step time: 1.3512
Batch 180/248, train_loss: 0.3951, step time: 1.3273
Batch 181/248, train_loss: 0.0927, step time: 1.3262
Batch 182/248, train_loss: 0.8801, step time: 1.3385
Batch 183/248, train_loss: 0.1191, step time: 1.3407
Batch 184/248, train_loss: 0.2988, step time: 1.3461
Batch 185/248, train_loss: 0.1002, step time: 1.3474
Batch 186/248, train_loss: 0.0936, step time: 1.3255
Batch 187/248, train_loss: 0.1503, step time: 1.3303
Batch 188/248, train_loss: 0.2006, step time: 1.3353
Batch 189/248, train_loss: 0.6417, step time: 1.3658
Batch 190/248, train_loss: 0.1303, step time: 1.3180
Batch 191/248, train_loss: 0.7891, step time: 1.3472
Batch 192/248, train_loss: 0.2469, step time: 1.3361
Batch 193/248, train_loss: 0.2158, step time: 1.3372
Batch 194/248, train_loss: 0.0873, step time: 1.3468
Batch 195/248, train_loss: 0.7092, step time: 1.3481
Batch 196/248, train_loss: 0.7286, step time: 1.3375
Batch 197/248, train_loss: 0.1819, step time: 1.3304
Batch 198/248, train_loss: 0.6473, step time: 1.3657
Batch 199/248, train_loss: 0.1427, step time: 1.3287
Batch 200/248, train_loss: 0.1218, step time: 1.3553
Batch 201/248, train_loss: 0.1150, step time: 1.3168
Batch 202/248, train_loss: 0.4350, step time: 1.3580
Batch 203/248, train_loss: 0.3759, step time: 1.3330
Batch 204/248, train_loss: 0.0911, step time: 1.3474
Batch 205/248, train_loss: 0.2550, step time: 1.3293
Batch 206/248, train_loss: 0.5367, step time: 1.3554
Batch 207/248, train_loss: 0.0591, step time: 1.3379
Batch 208/248, train_loss: 0.1246, step time: 1.3280
Batch 209/248, train_loss: 0.1543, step time: 1.3242
Batch 210/248, train_loss: 0.0635, step time: 1.3216
Batch 211/248, train_loss: 0.0638, step time: 1.3453
Batch 212/248, train_loss: 0.2784, step time: 1.3256
Batch 213/248, train_loss: 0.1753, step time: 1.3210
Batch 214/248, train_loss: 0.0694, step time: 1.3310
Batch 215/248, train_loss: 0.3284, step time: 1.3542
Batch 216/248, train_loss: 0.2058, step time: 1.3303
Batch 217/248, train_loss: 0.2477, step time: 1.3315
Batch 218/248, train_loss: 0.7006, step time: 1.3445
Batch 219/248, train_loss: 0.0629, step time: 1.3504
Batch 220/248, train_loss: 0.1939, step time: 1.3478
Batch 221/248, train_loss: 0.2781, step time: 1.3326
Batch 222/248, train_loss: 0.3451, step time: 1.3549
Batch 223/248, train_loss: 0.0472, step time: 1.3557
Batch 224/248, train_loss: 0.0989, step time: 1.3190
Batch 225/248, train_loss: 0.1680, step time: 1.3425
Batch 226/248, train_loss: 0.1093, step time: 1.3325
Batch 227/248, train_loss: 0.1242, step time: 1.3536
Batch 228/248, train_loss: 0.1337, step time: 1.3348
Batch 229/248, train_loss: 0.0969, step time: 1.3252
Batch 230/248, train_loss: 0.0675, step time: 1.3319
Batch 231/248, train_loss: 0.4203, step time: 1.3216
Batch 232/248, train_loss: 0.0785, step time: 1.3356
Batch 233/248, train_loss: 0.9241, step time: 1.3535
Batch 234/248, train_loss: 0.4117, step time: 1.3439
Batch 235/248, train_loss: 0.2105, step time: 1.3529
Batch 236/248, train_loss: 0.7123, step time: 1.3223
Batch 237/248, train_loss: 0.1369, step time: 1.3438
Batch 238/248, train_loss: 0.0821, step time: 1.3153
Batch 239/248, train_loss: 0.0589, step time: 1.3416
Batch 240/248, train_loss: 0.2828, step time: 1.3473
Batch 241/248, train_loss: 0.5243, step time: 1.3413
Batch 242/248, train_loss: 0.1403, step time: 1.3247
Batch 243/248, train_loss: 0.4249, step time: 1.3207
Batch 244/248, train_loss: 0.3688, step time: 1.3302

```
Batch 247/248, train_loss: 0.5000, step time: 1.3395  
Batch 245/248, train_loss: 0.0791, step time: 1.3190  
Batch 246/248, train_loss: 0.5709, step time: 1.3385  
Batch 247/248, train_loss: 0.0735, step time: 1.3297  
Batch 248/248, train_loss: 0.9998, step time: 1.3258
```

Labels



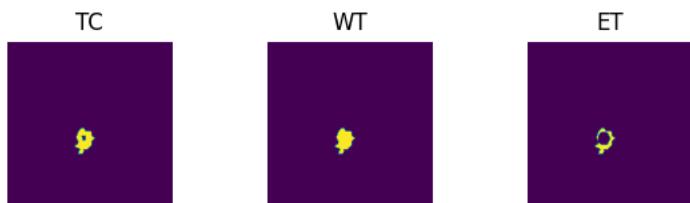
Predictions



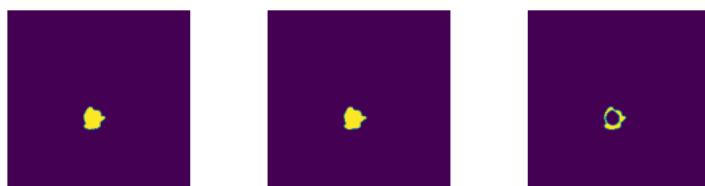
VAL

```
Batch 1/31, val_loss: 0.8346  
Batch 2/31, val_loss: 0.9893  
Batch 3/31, val_loss: 0.9587  
Batch 4/31, val_loss: 0.9354  
Batch 5/31, val_loss: 0.9916  
Batch 6/31, val_loss: 0.6918  
Batch 7/31, val_loss: 0.8176  
Batch 8/31, val_loss: 0.9427  
Batch 9/31, val_loss: 0.6895  
Batch 10/31, val_loss: 0.9102  
Batch 11/31, val_loss: 0.8176  
Batch 12/31, val_loss: 0.9687  
Batch 13/31, val_loss: 0.9917  
Batch 14/31, val_loss: 0.9364  
Batch 15/31, val_loss: 0.9847  
Batch 16/31, val_loss: 0.9712  
Batch 17/31, val_loss: 0.9676  
Batch 18/31, val_loss: 0.9432  
Batch 19/31, val_loss: 0.7366  
Batch 20/31, val_loss: 0.8626  
Batch 21/31, val_loss: 0.8694  
Batch 22/31, val_loss: 0.9606  
Batch 23/31, val_loss: 0.9664  
Batch 24/31, val_loss: 0.7346  
Batch 25/31, val_loss: 0.8031  
Batch 26/31, val_loss: 0.9199  
Batch 27/31, val_loss: 0.9755  
Batch 28/31, val_loss: 0.7425  
Batch 29/31, val_loss: 0.9840  
Batch 30/31, val_loss: 0.9642  
Batch 31/31, val_loss: 0.9735
```

Labels



Predictions



epoch 71

average train loss: 0.2691

average validation loss: 0.8979
saved as best model: False
current mean dice: 0.5921
current TC dice: 0.6225
current WT dice: 0.6275
current ET dice: 0.5614
Best Mean Metric: 0.6305
time consuming of epoch 71 is: 1708.5698

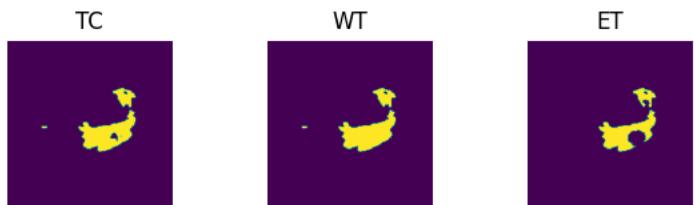
epoch 72/100
TRAIN
Batch 1/248, train_loss: 0.0897, step time: 1.3778
Batch 2/248, train_loss: 0.7259, step time: 1.3303
Batch 3/248, train_loss: 0.3515, step time: 1.3592
Batch 4/248, train_loss: 0.8941, step time: 1.3496
Batch 5/248, train_loss: 0.2719, step time: 1.3598
Batch 6/248, train_loss: 0.2333, step time: 1.3544
Batch 7/248, train_loss: 0.0622, step time: 1.3490
Batch 8/248, train_loss: 0.6979, step time: 1.3389
Batch 9/248, train_loss: 0.0412, step time: 1.3301
Batch 10/248, train_loss: 0.2550, step time: 1.3293
Batch 11/248, train_loss: 0.1585, step time: 1.3449
Batch 12/248, train_loss: 0.3225, step time: 1.3263
Batch 13/248, train_loss: 0.3308, step time: 1.3604
Batch 14/248, train_loss: 0.0564, step time: 1.3379
Batch 15/248, train_loss: 0.2974, step time: 1.3472
Batch 16/248, train_loss: 0.1619, step time: 1.3290
Batch 17/248, train_loss: 0.2359, step time: 1.3455
Batch 18/248, train_loss: 0.2755, step time: 1.3491
Batch 19/248, train_loss: 0.1463, step time: 1.3322
Batch 20/248, train_loss: 0.0757, step time: 1.3524
Batch 21/248, train_loss: 0.0491, step time: 1.3306
Batch 22/248, train_loss: 0.9431, step time: 1.3321
Batch 23/248, train_loss: 0.5204, step time: 1.3245
Batch 24/248, train_loss: 0.0849, step time: 1.3446
Batch 25/248, train_loss: 0.0519, step time: 1.3134
Batch 26/248, train_loss: 0.3680, step time: 1.3282
Batch 27/248, train_loss: 0.0635, step time: 1.3412
Batch 28/248, train_loss: 0.1456, step time: 1.3332
Batch 29/248, train_loss: 0.3743, step time: 1.3536
Batch 30/248, train_loss: 0.2197, step time: 1.3235
Batch 31/248, train_loss: 0.3437, step time: 1.3327
Batch 32/248, train_loss: 0.0637, step time: 1.3590
Batch 33/248, train_loss: 0.0887, step time: 1.3235
Batch 34/248, train_loss: 0.0478, step time: 1.3468
Batch 35/248, train_loss: 0.0622, step time: 1.3513
Batch 36/248, train_loss: 0.3983, step time: 1.3568
Batch 37/248, train_loss: 0.1280, step time: 1.3316
Batch 38/248, train_loss: 0.2800, step time: 1.3658
Batch 39/248, train_loss: 0.1614, step time: 1.3184
Batch 40/248, train_loss: 0.5888, step time: 1.3615
Batch 41/248, train_loss: 0.2060, step time: 1.3527
Batch 42/248, train_loss: 0.0681, step time: 1.3265
Batch 43/248, train_loss: 0.0482, step time: 1.3262
Batch 44/248, train_loss: 0.1894, step time: 1.3381
Batch 45/248, train_loss: 0.6158, step time: 1.3476
Batch 46/248, train_loss: 0.1416, step time: 1.3458
Batch 47/248, train_loss: 0.0769, step time: 1.3459
Batch 48/248, train_loss: 0.1917, step time: 1.3489
Batch 49/248, train_loss: 0.3854, step time: 1.3315
Batch 50/248, train_loss: 0.1070, step time: 1.3412
Batch 51/248, train_loss: 0.1607, step time: 1.3412
Batch 52/248, train_loss: 0.1346, step time: 1.3604
Batch 53/248, train_loss: 0.3490, step time: 1.3338
Batch 54/248, train_loss: 0.2262, step time: 1.3611
Batch 55/248, train_loss: 0.2062, step time: 1.3586
Batch 56/248, train_loss: 0.1751, step time: 1.3384
Batch 57/248, train_loss: 0.2812, step time: 1.3234
Batch 58/248, train_loss: 0.0650, step time: 1.3104
Batch 59/248, train_loss: 0.1330, step time: 1.3500
Batch 60/248, train_loss: 0.0701, step time: 1.3443
Batch 61/248, train_loss: 0.0856, step time: 1.3229
Batch 62/248, train_loss: 0.2350, step time: 1.3483
Batch 63/248, train_loss: 0.4224, step time: 1.3578
Batch 64/248, train_loss: 0.3763, step time: 1.3410
Batch 65/248, train_loss: 0.2191, step time: 1.3530
Batch 66/248, train_loss: 0.1454, step time: 1.3525
Batch 67/248, train_loss: 0.0667, step time: 1.3402
Batch 68/248, train_loss: 0.0968, step time: 1.3368
Batch 69/248, train_loss: 0.4240, step time: 1.3534
Batch 70/248, train_loss: 0.1462, step time: 1.3344
Batch 71/248, train_loss: 0.1188, step time: 1.3469
Batch 72/248, train_loss: 0.0521, step time: 1.3513
Batch 73/248, train_loss: 0.0889, step time: 1.3507
Batch 74/248, train_loss: 0.9762, step time: 1.3500

-- -- -- -- --
Batch 75/248, train_loss: 0.1119, step time: 1.3171
Batch 76/248, train_loss: 0.6014, step time: 1.3517
Batch 77/248, train_loss: 0.7558, step time: 1.3255
Batch 78/248, train_loss: 0.0975, step time: 1.3512
Batch 79/248, train_loss: 0.1523, step time: 1.3360
Batch 80/248, train_loss: 0.2255, step time: 1.3628
Batch 81/248, train_loss: 0.1292, step time: 1.3320
Batch 82/248, train_loss: 0.0793, step time: 1.3448
Batch 83/248, train_loss: 0.4966, step time: 1.3498
Batch 84/248, train_loss: 0.1902, step time: 1.3269
Batch 85/248, train_loss: 0.3384, step time: 1.3320
Batch 86/248, train_loss: 0.2173, step time: 1.3514
Batch 87/248, train_loss: 0.7642, step time: 1.3379
Batch 88/248, train_loss: 0.3221, step time: 1.3327
Batch 89/248, train_loss: 0.0648, step time: 1.3305
Batch 90/248, train_loss: 0.1797, step time: 1.3203
Batch 91/248, train_loss: 0.3408, step time: 1.3638
Batch 92/248, train_loss: 0.6882, step time: 1.3634
Batch 93/248, train_loss: 0.1536, step time: 1.3149
Batch 94/248, train_loss: 0.2397, step time: 1.3499
Batch 95/248, train_loss: 0.1650, step time: 1.3268
Batch 96/248, train_loss: 0.1211, step time: 1.3210
Batch 97/248, train_loss: 0.4954, step time: 1.3424
Batch 98/248, train_loss: 0.0978, step time: 1.3223
Batch 99/248, train_loss: 0.2718, step time: 1.3535
Batch 100/248, train_loss: 0.2557, step time: 1.3380
Batch 101/248, train_loss: 0.0496, step time: 1.3550
Batch 102/248, train_loss: 0.1127, step time: 1.3212
Batch 103/248, train_loss: 0.3493, step time: 1.3555
Batch 104/248, train_loss: 0.2893, step time: 1.3508
Batch 105/248, train_loss: 0.0853, step time: 1.3492
Batch 106/248, train_loss: 0.1595, step time: 1.3558
Batch 107/248, train_loss: 0.2244, step time: 1.3332
Batch 108/248, train_loss: 0.5831, step time: 1.3251
Batch 109/248, train_loss: 0.9864, step time: 1.3249
Batch 110/248, train_loss: 0.9478, step time: 1.3299
Batch 111/248, train_loss: 0.0769, step time: 1.3336
Batch 112/248, train_loss: 0.1833, step time: 1.3323
Batch 113/248, train_loss: 0.5390, step time: 1.3548
Batch 114/248, train_loss: 0.1093, step time: 1.3351
Batch 115/248, train_loss: 0.1521, step time: 1.3507
Batch 116/248, train_loss: 0.0676, step time: 1.3322
Batch 117/248, train_loss: 0.5086, step time: 1.3638
Batch 118/248, train_loss: 0.1850, step time: 1.3357
Batch 119/248, train_loss: 0.2500, step time: 1.3497
Batch 120/248, train_loss: 0.2066, step time: 1.3221
Batch 121/248, train_loss: 0.2664, step time: 1.3499
Batch 122/248, train_loss: 0.4016, step time: 1.3317
Batch 123/248, train_loss: 0.0541, step time: 1.3491
Batch 124/248, train_loss: 0.2660, step time: 1.3582
Batch 125/248, train_loss: 0.4739, step time: 1.3427
Batch 126/248, train_loss: 0.2964, step time: 1.3281
Batch 127/248, train_loss: 0.1004, step time: 1.3214
Batch 128/248, train_loss: 0.1382, step time: 1.3375
Batch 129/248, train_loss: 0.0830, step time: 1.3370
Batch 130/248, train_loss: 0.0878, step time: 1.3396
Batch 131/248, train_loss: 0.4729, step time: 1.3522
Batch 132/248, train_loss: 0.1755, step time: 1.3284
Batch 133/248, train_loss: 0.1109, step time: 1.3344
Batch 134/248, train_loss: 0.9687, step time: 1.3639
Batch 135/248, train_loss: 0.1668, step time: 1.3466
Batch 136/248, train_loss: 0.1658, step time: 1.3520
Batch 137/248, train_loss: 0.1532, step time: 1.3339
Batch 138/248, train_loss: 0.0903, step time: 1.3577
Batch 139/248, train_loss: 0.1659, step time: 1.3452
Batch 140/248, train_loss: 0.1865, step time: 1.3577
Batch 141/248, train_loss: 0.1309, step time: 1.3240
Batch 142/248, train_loss: 0.5992, step time: 1.3588
Batch 143/248, train_loss: 0.2106, step time: 1.3471
Batch 144/248, train_loss: 0.0913, step time: 1.3217
Batch 145/248, train_loss: 0.0585, step time: 1.3244
Batch 146/248, train_loss: 0.3793, step time: 1.3608
Batch 147/248, train_loss: 0.0372, step time: 1.3325
Batch 148/248, train_loss: 0.5129, step time: 1.3372
Batch 149/248, train_loss: 0.1152, step time: 1.3224
Batch 150/248, train_loss: 0.5170, step time: 1.3298
Batch 151/248, train_loss: 0.1917, step time: 1.3400
Batch 152/248, train_loss: 0.0413, step time: 1.3261
Batch 153/248, train_loss: 0.1669, step time: 1.3380
Batch 154/248, train_loss: 0.5282, step time: 1.3599
Batch 155/248, train_loss: 0.0800, step time: 1.3516
Batch 156/248, train_loss: 0.1579, step time: 1.3333
Batch 157/248, train_loss: 0.2792, step time: 1.3333
Batch 158/248, train_loss: 0.8468, step time: 1.3536
Batch 159/248, train_loss: 0.1070, step time: 1.3660

Batch 157/248, train_loss: 0.4070, step time: 1.3000
Batch 160/248, train_loss: 0.1051, step time: 1.3419
Batch 161/248, train_loss: 0.0606, step time: 1.3239
Batch 162/248, train_loss: 0.0751, step time: 1.3260
Batch 163/248, train_loss: 0.1186, step time: 1.3238
Batch 164/248, train_loss: 0.3059, step time: 1.3548
Batch 165/248, train_loss: 0.5485, step time: 1.3501
Batch 166/248, train_loss: 0.0765, step time: 1.3303
Batch 167/248, train_loss: 0.1673, step time: 1.3127
Batch 168/248, train_loss: 0.1295, step time: 1.3484
Batch 169/248, train_loss: 0.0906, step time: 1.3299
Batch 170/248, train_loss: 0.5484, step time: 1.3391
Batch 171/248, train_loss: 0.0934, step time: 1.3646
Batch 172/248, train_loss: 0.3997, step time: 1.3336
Batch 173/248, train_loss: 0.1047, step time: 1.3459
Batch 174/248, train_loss: 0.3743, step time: 1.3570
Batch 175/248, train_loss: 0.0973, step time: 1.3494
Batch 176/248, train_loss: 0.3389, step time: 1.3305
Batch 177/248, train_loss: 0.2238, step time: 1.3449
Batch 178/248, train_loss: 0.2679, step time: 1.3280
Batch 179/248, train_loss: 0.0634, step time: 1.3349
Batch 180/248, train_loss: 0.3679, step time: 1.3457
Batch 181/248, train_loss: 0.0778, step time: 1.3347
Batch 182/248, train_loss: 0.8859, step time: 1.3247
Batch 183/248, train_loss: 0.0828, step time: 1.3555
Batch 184/248, train_loss: 0.2485, step time: 1.3385
Batch 185/248, train_loss: 0.1037, step time: 1.3375
Batch 186/248, train_loss: 0.1006, step time: 1.3649
Batch 187/248, train_loss: 0.1833, step time: 1.3301
Batch 188/248, train_loss: 0.1982, step time: 1.3569
Batch 189/248, train_loss: 0.4700, step time: 1.3370
Batch 190/248, train_loss: 0.1141, step time: 1.3649
Batch 191/248, train_loss: 0.6436, step time: 1.3433
Batch 192/248, train_loss: 0.2644, step time: 1.3537
Batch 193/248, train_loss: 0.2375, step time: 1.3389
Batch 194/248, train_loss: 0.0748, step time: 1.3461
Batch 195/248, train_loss: 0.5578, step time: 1.3391
Batch 196/248, train_loss: 0.5619, step time: 1.3378
Batch 197/248, train_loss: 0.1825, step time: 1.3531
Batch 198/248, train_loss: 0.4666, step time: 1.3572
Batch 199/248, train_loss: 0.1419, step time: 1.3246
Batch 200/248, train_loss: 0.1152, step time: 1.3274
Batch 201/248, train_loss: 0.1125, step time: 1.3356
Batch 202/248, train_loss: 0.4280, step time: 1.3467
Batch 203/248, train_loss: 0.5076, step time: 1.3465
Batch 204/248, train_loss: 0.1089, step time: 1.3263
Batch 205/248, train_loss: 0.2475, step time: 1.3323
Batch 206/248, train_loss: 0.5960, step time: 1.3597
Batch 207/248, train_loss: 0.0951, step time: 1.3478
Batch 208/248, train_loss: 0.1683, step time: 1.3370
Batch 209/248, train_loss: 0.1435, step time: 1.3467
Batch 210/248, train_loss: 0.0671, step time: 1.3223
Batch 211/248, train_loss: 0.0665, step time: 1.3269
Batch 212/248, train_loss: 0.2574, step time: 1.3681
Batch 213/248, train_loss: 0.2150, step time: 1.3596
Batch 214/248, train_loss: 0.0917, step time: 1.3480
Batch 215/248, train_loss: 0.3260, step time: 1.3465
Batch 216/248, train_loss: 0.2392, step time: 1.3248
Batch 217/248, train_loss: 0.3746, step time: 1.3524
Batch 218/248, train_loss: 0.7612, step time: 1.3363
Batch 219/248, train_loss: 0.0774, step time: 1.3167
Batch 220/248, train_loss: 0.2485, step time: 1.3589
Batch 221/248, train_loss: 0.2939, step time: 1.3513
Batch 222/248, train_loss: 0.2152, step time: 1.3428
Batch 223/248, train_loss: 0.0516, step time: 1.3279
Batch 224/248, train_loss: 0.1533, step time: 1.3557
Batch 225/248, train_loss: 0.5319, step time: 1.3402
Batch 226/248, train_loss: 0.4754, step time: 1.3424
Batch 227/248, train_loss: 0.1316, step time: 1.3465
Batch 228/248, train_loss: 0.1680, step time: 1.3645
Batch 229/248, train_loss: 0.0993, step time: 1.3389
Batch 230/248, train_loss: 0.0802, step time: 1.3580
Batch 231/248, train_loss: 0.3776, step time: 1.3583
Batch 232/248, train_loss: 0.0691, step time: 1.3223
Batch 233/248, train_loss: 0.9774, step time: 1.3527
Batch 234/248, train_loss: 0.4130, step time: 1.3650
Batch 235/248, train_loss: 0.2900, step time: 1.3332
Batch 236/248, train_loss: 0.7832, step time: 1.3350
Batch 237/248, train_loss: 0.1334, step time: 1.3354
Batch 238/248, train_loss: 0.0929, step time: 1.3219
Batch 239/248, train_loss: 0.0607, step time: 1.3278
Batch 240/248, train_loss: 0.3213, step time: 1.3444
Batch 241/248, train_loss: 0.8240, step time: 1.3678
Batch 242/248, train_loss: 0.1622, step time: 1.3609
Batch 243/248, train_loss: 0.4445, step time: 1.3584

```
Batch 244/248, train_loss: 0.3900, step time: 1.3374  
Batch 245/248, train_loss: 0.0698, step time: 1.3294  
Batch 246/248, train_loss: 0.5854, step time: 1.3659  
Batch 247/248, train_loss: 0.0898, step time: 1.3272  
Batch 248/248, train_loss: 0.9998, step time: 1.3343
```

Labels



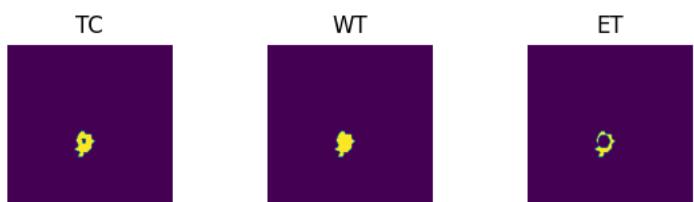
Predictions



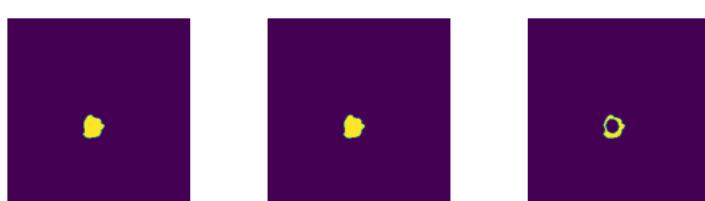
VAL

```
Batch 1/31, val_loss: 0.8286  
Batch 2/31, val_loss: 0.9906  
Batch 3/31, val_loss: 0.9630  
Batch 4/31, val_loss: 0.9412  
Batch 5/31, val_loss: 0.9907  
Batch 6/31, val_loss: 0.6933  
Batch 7/31, val_loss: 0.8188  
Batch 8/31, val_loss: 0.9526  
Batch 9/31, val_loss: 0.6883  
Batch 10/31, val_loss: 0.9099  
Batch 11/31, val_loss: 0.8165  
Batch 12/31, val_loss: 0.9720  
Batch 13/31, val_loss: 0.9904  
Batch 14/31, val_loss: 0.9399  
Batch 15/31, val_loss: 0.9845  
Batch 16/31, val_loss: 0.9707  
Batch 17/31, val_loss: 0.9643  
Batch 18/31, val_loss: 0.9370  
Batch 19/31, val_loss: 0.7451  
Batch 20/31, val_loss: 0.8501  
Batch 21/31, val_loss: 0.8751  
Batch 22/31, val_loss: 0.9578  
Batch 23/31, val_loss: 0.9693  
Batch 24/31, val_loss: 0.7327  
Batch 25/31, val_loss: 0.8052  
Batch 26/31, val_loss: 0.9193  
Batch 27/31, val_loss: 0.9774  
Batch 28/31, val_loss: 0.7467  
Batch 29/31, val_loss: 0.9825  
Batch 30/31, val_loss: 0.9615  
Batch 31/31, val_loss: 0.9719
```

Labels



Predictions



epoch 72

average train loss: 0.2679

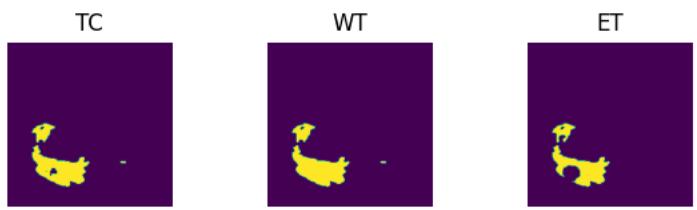
```
average validation loss: 0.8983
saved as best model: False
current mean dice: 0.6110
current TC dice: 0.6404
current WT dice: 0.6505
current ET dice: 0.5789
Best Mean Metric: 0.6305
time consuming of epoch 72 is: 1685.3305
-----
epoch 73/100
TRAIN
Batch 1/248, train_loss: 0.0949, step time: 1.4172
Batch 2/248, train_loss: 0.7272, step time: 1.3561
Batch 3/248, train_loss: 0.4253, step time: 1.3614
Batch 4/248, train_loss: 0.9535, step time: 1.3613
Batch 5/248, train_loss: 0.2088, step time: 1.3223
Batch 6/248, train_loss: 0.2441, step time: 1.3588
Batch 7/248, train_loss: 0.0586, step time: 1.3358
Batch 8/248, train_loss: 0.6330, step time: 1.3590
Batch 9/248, train_loss: 0.0314, step time: 1.3456
Batch 10/248, train_loss: 0.2090, step time: 1.3238
Batch 11/248, train_loss: 0.1615, step time: 1.3276
Batch 12/248, train_loss: 0.3184, step time: 1.3336
Batch 13/248, train_loss: 0.2304, step time: 1.3349
Batch 14/248, train_loss: 0.0791, step time: 1.3360
Batch 15/248, train_loss: 0.3217, step time: 1.3524
Batch 16/248, train_loss: 0.1773, step time: 1.3196
Batch 17/248, train_loss: 0.2428, step time: 1.3428
Batch 18/248, train_loss: 0.2876, step time: 1.3634
Batch 19/248, train_loss: 0.2664, step time: 1.3441
Batch 20/248, train_loss: 0.4187, step time: 1.3469
Batch 21/248, train_loss: 0.0464, step time: 1.3483
Batch 22/248, train_loss: 0.6503, step time: 1.3467
Batch 23/248, train_loss: 0.5597, step time: 1.3436
Batch 24/248, train_loss: 0.0989, step time: 1.3441
Batch 25/248, train_loss: 0.0532, step time: 1.3226
Batch 26/248, train_loss: 0.3866, step time: 1.3627
Batch 27/248, train_loss: 0.0739, step time: 1.3305
Batch 28/248, train_loss: 0.1482, step time: 1.3504
Batch 29/248, train_loss: 0.4140, step time: 1.3670
Batch 30/248, train_loss: 0.5524, step time: 1.3535
Batch 31/248, train_loss: 0.3510, step time: 1.3482
Batch 32/248, train_loss: 0.0786, step time: 1.3338
Batch 33/248, train_loss: 0.0696, step time: 1.3338
Batch 34/248, train_loss: 0.0589, step time: 1.3179
Batch 35/248, train_loss: 0.0736, step time: 1.3256
Batch 36/248, train_loss: 0.3893, step time: 1.3262
Batch 37/248, train_loss: 0.1364, step time: 1.3315
Batch 38/248, train_loss: 0.2918, step time: 1.3419
Batch 39/248, train_loss: 0.1610, step time: 1.3251
Batch 40/248, train_loss: 0.5953, step time: 1.3725
Batch 41/248, train_loss: 0.2300, step time: 1.3337
Batch 42/248, train_loss: 0.0608, step time: 1.3226
Batch 43/248, train_loss: 0.0560, step time: 1.3388
Batch 44/248, train_loss: 0.1511, step time: 1.3599
Batch 45/248, train_loss: 0.3380, step time: 1.3334
Batch 46/248, train_loss: 0.1927, step time: 1.3496
Batch 47/248, train_loss: 0.0650, step time: 1.3355
Batch 48/248, train_loss: 0.1999, step time: 1.3489
Batch 49/248, train_loss: 0.4121, step time: 1.3263
Batch 50/248, train_loss: 0.1515, step time: 1.3424
Batch 51/248, train_loss: 0.1589, step time: 1.3512
Batch 52/248, train_loss: 0.1186, step time: 1.3360
Batch 53/248, train_loss: 0.3695, step time: 1.3384
Batch 54/248, train_loss: 0.2319, step time: 1.3260
Batch 55/248, train_loss: 0.2355, step time: 1.3455
Batch 56/248, train_loss: 0.1869, step time: 1.3471
Batch 57/248, train_loss: 0.2392, step time: 1.3612
Batch 58/248, train_loss: 0.0656, step time: 1.3468
Batch 59/248, train_loss: 0.0741, step time: 1.3251
Batch 60/248, train_loss: 0.0521, step time: 1.3183
Batch 61/248, train_loss: 0.0800, step time: 1.3182
Batch 62/248, train_loss: 0.2262, step time: 1.3253
Batch 63/248, train_loss: 0.3735, step time: 1.3538
Batch 64/248, train_loss: 0.3568, step time: 1.3445
Batch 65/248, train_loss: 0.2153, step time: 1.3278
Batch 66/248, train_loss: 0.1226, step time: 1.3212
Batch 67/248, train_loss: 0.0743, step time: 1.3156
Batch 68/248, train_loss: 0.1511, step time: 1.3460
Batch 69/248, train_loss: 0.5401, step time: 1.3547
Batch 70/248, train_loss: 0.1636, step time: 1.3475
Batch 71/248, train_loss: 0.1259, step time: 1.3218
Batch 72/248, train_loss: 0.0613, step time: 1.3206
Batch 73/248, train_loss: 0.1298, step time: 1.3282
```

Batch 74/248, train_loss: 0.3851, step time: 1.3285
Batch 75/248, train_loss: 0.1066, step time: 1.3506
Batch 76/248, train_loss: 0.5448, step time: 1.3546
Batch 77/248, train_loss: 0.7009, step time: 1.3588
Batch 78/248, train_loss: 0.0970, step time: 1.3304
Batch 79/248, train_loss: 0.1366, step time: 1.3258
Batch 80/248, train_loss: 0.1933, step time: 1.3223
Batch 81/248, train_loss: 0.1460, step time: 1.3443
Batch 82/248, train_loss: 0.0816, step time: 1.3493
Batch 83/248, train_loss: 0.5490, step time: 1.3360
Batch 84/248, train_loss: 0.1478, step time: 1.3465
Batch 85/248, train_loss: 0.4191, step time: 1.3488
Batch 86/248, train_loss: 0.2267, step time: 1.3436
Batch 87/248, train_loss: 0.7915, step time: 1.3189
Batch 88/248, train_loss: 0.3602, step time: 1.3152
Batch 89/248, train_loss: 0.0671, step time: 1.3343
Batch 90/248, train_loss: 0.2491, step time: 1.3345
Batch 91/248, train_loss: 0.3620, step time: 1.3384
Batch 92/248, train_loss: 0.6690, step time: 1.3576
Batch 93/248, train_loss: 0.1441, step time: 1.3560
Batch 94/248, train_loss: 0.2452, step time: 1.3467
Batch 95/248, train_loss: 0.1670, step time: 1.3175
Batch 96/248, train_loss: 0.1200, step time: 1.3478
Batch 97/248, train_loss: 0.5759, step time: 1.3380
Batch 98/248, train_loss: 0.1543, step time: 1.3541
Batch 99/248, train_loss: 0.2982, step time: 1.3407
Batch 100/248, train_loss: 0.2254, step time: 1.3537
Batch 101/248, train_loss: 0.0456, step time: 1.3224
Batch 102/248, train_loss: 0.1143, step time: 1.3361
Batch 103/248, train_loss: 0.2783, step time: 1.3312
Batch 104/248, train_loss: 0.2564, step time: 1.3228
Batch 105/248, train_loss: 0.0876, step time: 1.3281
Batch 106/248, train_loss: 0.1103, step time: 1.3381
Batch 107/248, train_loss: 0.2482, step time: 1.3482
Batch 108/248, train_loss: 0.5479, step time: 1.3376
Batch 109/248, train_loss: 0.9055, step time: 1.3315
Batch 110/248, train_loss: 0.4201, step time: 1.3354
Batch 111/248, train_loss: 0.0861, step time: 1.3235
Batch 112/248, train_loss: 0.1265, step time: 1.3303
Batch 113/248, train_loss: 0.6144, step time: 1.3621
Batch 114/248, train_loss: 0.1408, step time: 1.3350
Batch 115/248, train_loss: 0.1321, step time: 1.3541
Batch 116/248, train_loss: 0.0681, step time: 1.3478
Batch 117/248, train_loss: 0.5344, step time: 1.3574
Batch 118/248, train_loss: 0.1798, step time: 1.3606
Batch 119/248, train_loss: 0.2531, step time: 1.3409
Batch 120/248, train_loss: 0.1989, step time: 1.3581
Batch 121/248, train_loss: 0.2553, step time: 1.3636
Batch 122/248, train_loss: 0.4133, step time: 1.3603
Batch 123/248, train_loss: 0.0759, step time: 1.3391
Batch 124/248, train_loss: 0.2739, step time: 1.3201
Batch 125/248, train_loss: 0.4529, step time: 1.3339
Batch 126/248, train_loss: 0.1802, step time: 1.3346
Batch 127/248, train_loss: 0.1048, step time: 1.3295
Batch 128/248, train_loss: 0.1348, step time: 1.3378
Batch 129/248, train_loss: 0.0868, step time: 1.3502
Batch 130/248, train_loss: 0.0737, step time: 1.3213
Batch 131/248, train_loss: 0.3601, step time: 1.3574
Batch 132/248, train_loss: 0.1466, step time: 1.3485
Batch 133/248, train_loss: 0.0990, step time: 1.3516
Batch 134/248, train_loss: 0.8625, step time: 1.3341
Batch 135/248, train_loss: 0.2134, step time: 1.3481
Batch 136/248, train_loss: 0.1075, step time: 1.3520
Batch 137/248, train_loss: 0.1088, step time: 1.3436
Batch 138/248, train_loss: 0.0698, step time: 1.3414
Batch 139/248, train_loss: 0.2150, step time: 1.3631
Batch 140/248, train_loss: 0.2220, step time: 1.3311
Batch 141/248, train_loss: 0.1399, step time: 1.3430
Batch 142/248, train_loss: 0.4266, step time: 1.3451
Batch 143/248, train_loss: 0.2135, step time: 1.3475
Batch 144/248, train_loss: 0.1179, step time: 1.3355
Batch 145/248, train_loss: 0.0595, step time: 1.3208
Batch 146/248, train_loss: 0.3048, step time: 1.3498
Batch 147/248, train_loss: 0.0461, step time: 1.3406
Batch 148/248, train_loss: 0.6134, step time: 1.3478
Batch 149/248, train_loss: 0.1240, step time: 1.3468
Batch 150/248, train_loss: 0.5609, step time: 1.3404
Batch 151/248, train_loss: 0.2671, step time: 1.3578
Batch 152/248, train_loss: 0.0371, step time: 1.3181
Batch 153/248, train_loss: 0.1881, step time: 1.3619
Batch 154/248, train_loss: 0.4839, step time: 1.3307
Batch 155/248, train_loss: 0.0778, step time: 1.3488
Batch 156/248, train_loss: 0.1898, step time: 1.3288
Batch 157/248, train_loss: 0.2691, step time: 1.3370
Batch 158/248, train_loss: 0.9539, step time: 1.3528

Batch 159/248, train_loss: 0.3365, step time: 1.3412
Batch 160/248, train_loss: 0.0767, step time: 1.3326
Batch 161/248, train_loss: 0.0639, step time: 1.3213
Batch 162/248, train_loss: 0.0973, step time: 1.3511
Batch 163/248, train_loss: 0.1540, step time: 1.3501
Batch 164/248, train_loss: 0.3266, step time: 1.3402
Batch 165/248, train_loss: 0.3980, step time: 1.3414
Batch 166/248, train_loss: 0.3529, step time: 1.3512
Batch 167/248, train_loss: 0.1844, step time: 1.3423
Batch 168/248, train_loss: 0.1536, step time: 1.3189
Batch 169/248, train_loss: 0.0860, step time: 1.3231
Batch 170/248, train_loss: 0.5154, step time: 1.3394
Batch 171/248, train_loss: 0.2099, step time: 1.3375
Batch 172/248, train_loss: 0.4397, step time: 1.3334
Batch 173/248, train_loss: 0.0680, step time: 1.3426
Batch 174/248, train_loss: 0.7401, step time: 1.3556
Batch 175/248, train_loss: 0.1157, step time: 1.3441
Batch 176/248, train_loss: 0.3671, step time: 1.3601
Batch 177/248, train_loss: 0.3686, step time: 1.3482
Batch 178/248, train_loss: 0.2908, step time: 1.3629
Batch 179/248, train_loss: 0.0590, step time: 1.3457
Batch 180/248, train_loss: 0.3693, step time: 1.3467
Batch 181/248, train_loss: 0.0858, step time: 1.3247
Batch 182/248, train_loss: 0.8960, step time: 1.3473
Batch 183/248, train_loss: 0.1800, step time: 1.3373
Batch 184/248, train_loss: 0.3019, step time: 1.3315
Batch 185/248, train_loss: 0.1029, step time: 1.3359
Batch 186/248, train_loss: 0.0871, step time: 1.3360
Batch 187/248, train_loss: 0.1757, step time: 1.3638
Batch 188/248, train_loss: 0.1884, step time: 1.3412
Batch 189/248, train_loss: 0.5206, step time: 1.3627
Batch 190/248, train_loss: 0.1103, step time: 1.3228
Batch 191/248, train_loss: 0.6428, step time: 1.3325
Batch 192/248, train_loss: 0.2354, step time: 1.3424
Batch 193/248, train_loss: 0.2238, step time: 1.3610
Batch 194/248, train_loss: 0.0894, step time: 1.3268
Batch 195/248, train_loss: 0.5753, step time: 1.3477
Batch 196/248, train_loss: 0.5692, step time: 1.3583
Batch 197/248, train_loss: 0.1769, step time: 1.3441
Batch 198/248, train_loss: 0.4895, step time: 1.3385
Batch 199/248, train_loss: 0.1265, step time: 1.3207
Batch 200/248, train_loss: 0.1123, step time: 1.3316
Batch 201/248, train_loss: 0.1243, step time: 1.3353
Batch 202/248, train_loss: 0.3687, step time: 1.3272
Batch 203/248, train_loss: 0.3818, step time: 1.3601
Batch 204/248, train_loss: 0.1015, step time: 1.3436
Batch 205/248, train_loss: 0.2326, step time: 1.3286
Batch 206/248, train_loss: 0.3028, step time: 1.3720
Batch 207/248, train_loss: 0.0906, step time: 1.3486
Batch 208/248, train_loss: 0.1264, step time: 1.3213
Batch 209/248, train_loss: 0.1579, step time: 1.3469
Batch 210/248, train_loss: 0.0625, step time: 1.3318
Batch 211/248, train_loss: 0.0723, step time: 1.3341
Batch 212/248, train_loss: 0.2364, step time: 1.3431
Batch 213/248, train_loss: 0.1583, step time: 1.3473
Batch 214/248, train_loss: 0.0768, step time: 1.3541
Batch 215/248, train_loss: 0.3596, step time: 1.3596
Batch 216/248, train_loss: 0.1802, step time: 1.3202
Batch 217/248, train_loss: 0.2788, step time: 1.3524
Batch 218/248, train_loss: 0.7351, step time: 1.3673
Batch 219/248, train_loss: 0.0879, step time: 1.3324
Batch 220/248, train_loss: 0.1888, step time: 1.3500
Batch 221/248, train_loss: 0.2640, step time: 1.3523
Batch 222/248, train_loss: 0.2065, step time: 1.3478
Batch 223/248, train_loss: 0.0421, step time: 1.3330
Batch 224/248, train_loss: 0.0843, step time: 1.3407
Batch 225/248, train_loss: 0.2054, step time: 1.3550
Batch 226/248, train_loss: 0.1129, step time: 1.3586
Batch 227/248, train_loss: 0.0959, step time: 1.3264
Batch 228/248, train_loss: 0.1460, step time: 1.3339
Batch 229/248, train_loss: 0.0804, step time: 1.3351
Batch 230/248, train_loss: 0.0624, step time: 1.3249
Batch 231/248, train_loss: 0.4551, step time: 1.3324
Batch 232/248, train_loss: 0.0770, step time: 1.3373
Batch 233/248, train_loss: 0.9386, step time: 1.3623
Batch 234/248, train_loss: 0.3929, step time: 1.3294
Batch 235/248, train_loss: 0.2071, step time: 1.3549
Batch 236/248, train_loss: 0.7266, step time: 1.3586
Batch 237/248, train_loss: 0.1197, step time: 1.3529
Batch 238/248, train_loss: 0.0909, step time: 1.3595
Batch 239/248, train_loss: 0.0726, step time: 1.3603
Batch 240/248, train_loss: 0.2466, step time: 1.3274
Batch 241/248, train_loss: 0.5540, step time: 1.3427
Batch 242/248, train_loss: 0.1365, step time: 1.3391
Batch 243/248, train_loss: 0.3690, step time: 1.3437

```
Batch 244/248, train_loss: 0.5135, step time: 1.3472  
Batch 245/248, train_loss: 0.0648, step time: 1.3436  
Batch 246/248, train_loss: 0.6109, step time: 1.3297  
Batch 247/248, train_loss: 0.0656, step time: 1.3225  
Batch 248/248, train_loss: 1.0000, step time: 1.3302
```

Labels



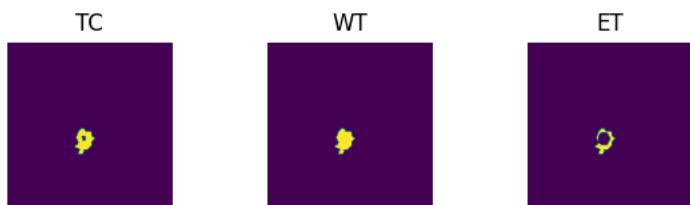
Predictions



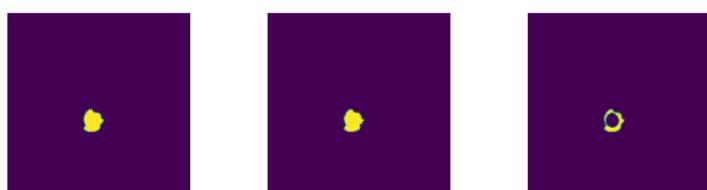
VAL

```
Batch 1/31, val_loss: 0.8315  
Batch 2/31, val_loss: 0.9901  
Batch 3/31, val_loss: 0.9630  
Batch 4/31, val_loss: 0.9382  
Batch 5/31, val_loss: 0.9906  
Batch 6/31, val_loss: 0.6850  
Batch 7/31, val_loss: 0.8206  
Batch 8/31, val_loss: 0.9466  
Batch 9/31, val_loss: 0.6855  
Batch 10/31, val_loss: 0.9100  
Batch 11/31, val_loss: 0.8170  
Batch 12/31, val_loss: 0.9760  
Batch 13/31, val_loss: 0.9967  
Batch 14/31, val_loss: 0.9540  
Batch 15/31, val_loss: 0.9842  
Batch 16/31, val_loss: 0.9708  
Batch 17/31, val_loss: 0.9626  
Batch 18/31, val_loss: 0.9326  
Batch 19/31, val_loss: 0.7359  
Batch 20/31, val_loss: 0.8626  
Batch 21/31, val_loss: 0.8714  
Batch 22/31, val_loss: 0.9565  
Batch 23/31, val_loss: 0.9686  
Batch 24/31, val_loss: 0.7346  
Batch 25/31, val_loss: 0.7978  
Batch 26/31, val_loss: 0.9217  
Batch 27/31, val_loss: 0.9772  
Batch 28/31, val_loss: 0.7435  
Batch 29/31, val_loss: 0.9821  
Batch 30/31, val_loss: 0.9636  
Batch 31/31, val_loss: 0.9722
```

Labels



Predictions



epoch 73

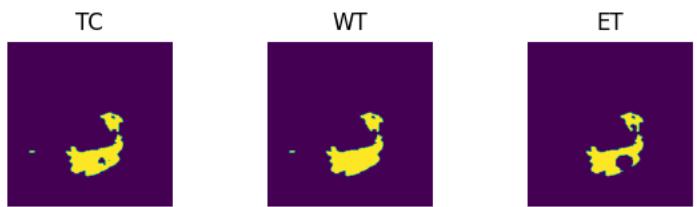
```
average train loss: 0.2599
average validation loss: 0.8982
saved as best model: False
current mean dice: 0.6039
current TC dice: 0.6331
current WT dice: 0.6409
current ET dice: 0.5685
Best Mean Metric: 0.6305
time consuming of epoch 73 is: 1691.2785
-----
epoch 74/100
TRAIN
Batch 1/248, train_loss: 0.0692, step time: 1.4183
Batch 2/248, train_loss: 0.6496, step time: 1.3397
Batch 3/248, train_loss: 0.3244, step time: 1.3603
Batch 4/248, train_loss: 0.8955, step time: 1.3319
Batch 5/248, train_loss: 0.1909, step time: 1.3438
Batch 6/248, train_loss: 0.2295, step time: 1.3623
Batch 7/248, train_loss: 0.0724, step time: 1.3235
Batch 8/248, train_loss: 0.7173, step time: 1.3451
Batch 9/248, train_loss: 0.0350, step time: 1.3487
Batch 10/248, train_loss: 0.2033, step time: 1.3495
Batch 11/248, train_loss: 0.1932, step time: 1.3350
Batch 12/248, train_loss: 0.3039, step time: 1.3530
Batch 13/248, train_loss: 0.2612, step time: 1.3498
Batch 14/248, train_loss: 0.0426, step time: 1.3200
Batch 15/248, train_loss: 0.3164, step time: 1.3269
Batch 16/248, train_loss: 0.1256, step time: 1.3419
Batch 17/248, train_loss: 0.2181, step time: 1.3401
Batch 18/248, train_loss: 0.3087, step time: 1.3438
Batch 19/248, train_loss: 0.1408, step time: 1.3515
Batch 20/248, train_loss: 0.2140, step time: 1.3549
Batch 21/248, train_loss: 0.0421, step time: 1.3293
Batch 22/248, train_loss: 0.6079, step time: 1.3492
Batch 23/248, train_loss: 0.3877, step time: 1.3399
Batch 24/248, train_loss: 0.0763, step time: 1.3208
Batch 25/248, train_loss: 0.0494, step time: 1.3370
Batch 26/248, train_loss: 0.3608, step time: 1.3421
Batch 27/248, train_loss: 0.0830, step time: 1.3339
Batch 28/248, train_loss: 0.1548, step time: 1.3273
Batch 29/248, train_loss: 0.3488, step time: 1.3546
Batch 30/248, train_loss: 0.1998, step time: 1.3415
Batch 31/248, train_loss: 0.4166, step time: 1.3521
Batch 32/248, train_loss: 0.0751, step time: 1.3358
Batch 33/248, train_loss: 0.1213, step time: 1.3621
Batch 34/248, train_loss: 0.0405, step time: 1.3246
Batch 35/248, train_loss: 0.0511, step time: 1.3423
Batch 36/248, train_loss: 0.3985, step time: 1.3430
Batch 37/248, train_loss: 0.1334, step time: 1.3195
Batch 38/248, train_loss: 0.2710, step time: 1.3614
Batch 39/248, train_loss: 0.1777, step time: 1.3309
Batch 40/248, train_loss: 0.6035, step time: 1.3666
Batch 41/248, train_loss: 0.2044, step time: 1.3376
Batch 42/248, train_loss: 0.0847, step time: 1.3403
Batch 43/248, train_loss: 0.0970, step time: 1.3443
Batch 44/248, train_loss: 0.1362, step time: 1.3261
Batch 45/248, train_loss: 0.6106, step time: 1.3333
Batch 46/248, train_loss: 0.1550, step time: 1.3241
Batch 47/248, train_loss: 0.0761, step time: 1.3260
Batch 48/248, train_loss: 0.1946, step time: 1.3628
Batch 49/248, train_loss: 0.3627, step time: 1.3534
Batch 50/248, train_loss: 0.1192, step time: 1.3659
Batch 51/248, train_loss: 0.1361, step time: 1.3228
Batch 52/248, train_loss: 0.1220, step time: 1.3444
Batch 53/248, train_loss: 0.3711, step time: 1.3625
Batch 54/248, train_loss: 0.2501, step time: 1.3590
Batch 55/248, train_loss: 0.2121, step time: 1.3536
Batch 56/248, train_loss: 0.1732, step time: 1.3538
Batch 57/248, train_loss: 0.2674, step time: 1.3891
Batch 58/248, train_loss: 0.0643, step time: 1.3469
Batch 59/248, train_loss: 0.0954, step time: 1.3699
Batch 60/248, train_loss: 0.0521, step time: 1.3814
Batch 61/248, train_loss: 0.0754, step time: 1.3721
Batch 62/248, train_loss: 0.2086, step time: 1.4010
Batch 63/248, train_loss: 0.3841, step time: 1.4021
Batch 64/248, train_loss: 0.3979, step time: 1.3880
Batch 65/248, train_loss: 0.2226, step time: 1.3634
Batch 66/248, train_loss: 0.1297, step time: 1.3519
Batch 67/248, train_loss: 0.0614, step time: 1.3438
Batch 68/248, train_loss: 0.1267, step time: 1.3643
Batch 69/248, train_loss: 0.4384, step time: 1.3786
Batch 70/248, train_loss: 0.1711, step time: 1.3599
Batch 71/248, train_loss: 0.1166, step time: 1.3604
Batch 72/248, train_loss: 0.0460, step time: 1.3585
Batch 73/248, train_loss: 0.2273, step time: 1.3637
```

Batch 74/248, train_loss: 0.5089, step time: 1.4073
Batch 75/248, train_loss: 0.1098, step time: 1.3990
Batch 76/248, train_loss: 0.4825, step time: 1.3957
Batch 77/248, train_loss: 0.7693, step time: 1.3660
Batch 78/248, train_loss: 0.0841, step time: 1.3702
Batch 79/248, train_loss: 0.1205, step time: 1.3820
Batch 80/248, train_loss: 0.1966, step time: 1.3892
Batch 81/248, train_loss: 0.1306, step time: 1.3996
Batch 82/248, train_loss: 0.0770, step time: 1.3872
Batch 83/248, train_loss: 0.5520, step time: 1.3707
Batch 84/248, train_loss: 0.2378, step time: 1.3722
Batch 85/248, train_loss: 0.4077, step time: 1.3755
Batch 86/248, train_loss: 0.2266, step time: 1.3816
Batch 87/248, train_loss: 0.9643, step time: 1.3754
Batch 88/248, train_loss: 0.3722, step time: 1.3695
Batch 89/248, train_loss: 0.0676, step time: 1.3606
Batch 90/248, train_loss: 0.1989, step time: 1.3643
Batch 91/248, train_loss: 0.3090, step time: 1.3601
Batch 92/248, train_loss: 0.6243, step time: 1.3983
Batch 93/248, train_loss: 0.1377, step time: 1.3718
Batch 94/248, train_loss: 0.2289, step time: 1.3662
Batch 95/248, train_loss: 0.1671, step time: 1.3752
Batch 96/248, train_loss: 0.1137, step time: 1.3706
Batch 97/248, train_loss: 0.4738, step time: 1.3931
Batch 98/248, train_loss: 0.1047, step time: 1.3753
Batch 99/248, train_loss: 0.2890, step time: 1.3788
Batch 100/248, train_loss: 0.2318, step time: 1.4001
Batch 101/248, train_loss: 0.0444, step time: 1.3776
Batch 102/248, train_loss: 0.1062, step time: 1.3839
Batch 103/248, train_loss: 0.3479, step time: 1.3945
Batch 104/248, train_loss: 0.2358, step time: 1.3668
Batch 105/248, train_loss: 0.0760, step time: 1.3790
Batch 106/248, train_loss: 0.1089, step time: 1.3579
Batch 107/248, train_loss: 0.6964, step time: 1.3802
Batch 108/248, train_loss: 0.6635, step time: 1.3935
Batch 109/248, train_loss: 0.9843, step time: 1.4018
Batch 110/248, train_loss: 0.3245, step time: 1.3781
Batch 111/248, train_loss: 0.0770, step time: 1.3630
Batch 112/248, train_loss: 0.1704, step time: 1.3603
Batch 113/248, train_loss: 0.4617, step time: 1.3658
Batch 114/248, train_loss: 0.1299, step time: 1.3760
Batch 115/248, train_loss: 0.1786, step time: 1.4002
Batch 116/248, train_loss: 0.0655, step time: 1.3739
Batch 117/248, train_loss: 0.6431, step time: 1.3853
Batch 118/248, train_loss: 0.3050, step time: 1.3801
Batch 119/248, train_loss: 0.3113, step time: 1.3667
Batch 120/248, train_loss: 0.2210, step time: 1.3855
Batch 121/248, train_loss: 0.2884, step time: 1.3879
Batch 122/248, train_loss: 0.3930, step time: 1.3679
Batch 123/248, train_loss: 0.0484, step time: 1.3632
Batch 124/248, train_loss: 0.2885, step time: 1.3745
Batch 125/248, train_loss: 0.5514, step time: 1.3927
Batch 126/248, train_loss: 0.3670, step time: 1.3616
Batch 127/248, train_loss: 0.0978, step time: 1.3678
Batch 128/248, train_loss: 0.2130, step time: 1.3985
Batch 129/248, train_loss: 0.1157, step time: 1.3848
Batch 130/248, train_loss: 0.0779, step time: 1.3623
Batch 131/248, train_loss: 0.3712, step time: 1.3825
Batch 132/248, train_loss: 0.1636, step time: 1.3982
Batch 133/248, train_loss: 0.0818, step time: 1.3900
Batch 134/248, train_loss: 0.9164, step time: 1.3811
Batch 135/248, train_loss: 0.2235, step time: 1.3939
Batch 136/248, train_loss: 0.1155, step time: 1.3887
Batch 137/248, train_loss: 0.1087, step time: 1.3646
Batch 138/248, train_loss: 0.1458, step time: 1.3769
Batch 139/248, train_loss: 0.1456, step time: 1.3857
Batch 140/248, train_loss: 0.1625, step time: 1.3649
Batch 141/248, train_loss: 0.1134, step time: 1.3860
Batch 142/248, train_loss: 0.5243, step time: 1.3747
Batch 143/248, train_loss: 0.2164, step time: 1.3625
Batch 144/248, train_loss: 0.1146, step time: 1.3865
Batch 145/248, train_loss: 0.0588, step time: 1.3897
Batch 146/248, train_loss: 0.2938, step time: 1.3918
Batch 147/248, train_loss: 0.0385, step time: 1.3841
Batch 148/248, train_loss: 0.4919, step time: 1.4024
Batch 149/248, train_loss: 0.1198, step time: 1.3828
Batch 150/248, train_loss: 0.5082, step time: 1.3786
Batch 151/248, train_loss: 0.2152, step time: 1.3847
Batch 152/248, train_loss: 0.0357, step time: 1.3737
Batch 153/248, train_loss: 0.1704, step time: 1.3681
Batch 154/248, train_loss: 0.4977, step time: 1.3800
Batch 155/248, train_loss: 0.0936, step time: 1.3960
Batch 156/248, train_loss: 0.1200, step time: 1.3637
Batch 157/248, train_loss: 0.3625, step time: 1.3950
Batch 158/248, train_loss: 0.8706, step time: 1.3840

Batch 159/248, train_loss: 0.3129, step time: 1.3761
Batch 160/248, train_loss: 0.0992, step time: 1.3649
Batch 161/248, train_loss: 0.0681, step time: 1.3614
Batch 162/248, train_loss: 0.0637, step time: 1.3666
Batch 163/248, train_loss: 0.1144, step time: 1.4013
Batch 164/248, train_loss: 0.2741, step time: 1.3740
Batch 165/248, train_loss: 0.4811, step time: 1.3897
Batch 166/248, train_loss: 0.0722, step time: 1.3794
Batch 167/248, train_loss: 0.1785, step time: 1.3875
Batch 168/248, train_loss: 0.1342, step time: 1.3856
Batch 169/248, train_loss: 0.1112, step time: 1.3658
Batch 170/248, train_loss: 0.4816, step time: 1.3848
Batch 171/248, train_loss: 0.0822, step time: 1.3803
Batch 172/248, train_loss: 0.3809, step time: 1.3986
Batch 173/248, train_loss: 0.0692, step time: 1.3730
Batch 174/248, train_loss: 0.9748, step time: 1.3838
Batch 175/248, train_loss: 0.0746, step time: 1.3674
Batch 176/248, train_loss: 0.3633, step time: 1.3787
Batch 177/248, train_loss: 0.1872, step time: 1.3839
Batch 178/248, train_loss: 0.2036, step time: 1.3872
Batch 179/248, train_loss: 0.0629, step time: 1.3893
Batch 180/248, train_loss: 0.3607, step time: 1.3851
Batch 181/248, train_loss: 0.0806, step time: 1.3707
Batch 182/248, train_loss: 0.8776, step time: 1.3696
Batch 183/248, train_loss: 0.0946, step time: 1.3957
Batch 184/248, train_loss: 0.2184, step time: 1.3807
Batch 185/248, train_loss: 0.0872, step time: 1.3649
Batch 186/248, train_loss: 0.0800, step time: 1.3827
Batch 187/248, train_loss: 0.1425, step time: 1.3589
Batch 188/248, train_loss: 0.2061, step time: 1.3739
Batch 189/248, train_loss: 0.4720, step time: 1.3699
Batch 190/248, train_loss: 0.1127, step time: 1.3869
Batch 191/248, train_loss: 0.6339, step time: 1.4000
Batch 192/248, train_loss: 0.2481, step time: 1.3772
Batch 193/248, train_loss: 0.2195, step time: 1.3543
Batch 194/248, train_loss: 0.0757, step time: 1.3591
Batch 195/248, train_loss: 0.5620, step time: 1.3755
Batch 196/248, train_loss: 0.7157, step time: 1.3713
Batch 197/248, train_loss: 0.1831, step time: 1.3818
Batch 198/248, train_loss: 0.4309, step time: 1.4007
Batch 199/248, train_loss: 0.1524, step time: 1.3748
Batch 200/248, train_loss: 0.1160, step time: 1.3522
Batch 201/248, train_loss: 0.1042, step time: 1.3607
Batch 202/248, train_loss: 0.4619, step time: 1.3789
Batch 203/248, train_loss: 0.3348, step time: 1.3576
Batch 204/248, train_loss: 0.0981, step time: 1.3617
Batch 205/248, train_loss: 0.2286, step time: 1.3857
Batch 206/248, train_loss: 0.3680, step time: 1.3660
Batch 207/248, train_loss: 0.0745, step time: 1.3576
Batch 208/248, train_loss: 0.1023, step time: 1.3561
Batch 209/248, train_loss: 0.1215, step time: 1.4014
Batch 210/248, train_loss: 0.0581, step time: 1.3723
Batch 211/248, train_loss: 0.0631, step time: 1.3740
Batch 212/248, train_loss: 0.2079, step time: 1.3559
Batch 213/248, train_loss: 0.1871, step time: 1.3571
Batch 214/248, train_loss: 0.0727, step time: 1.3713
Batch 215/248, train_loss: 0.3003, step time: 1.3852
Batch 216/248, train_loss: 0.1660, step time: 1.4003
Batch 217/248, train_loss: 0.2339, step time: 1.3775
Batch 218/248, train_loss: 0.7074, step time: 1.3685
Batch 219/248, train_loss: 0.0758, step time: 1.3709
Batch 220/248, train_loss: 0.1931, step time: 1.3840
Batch 221/248, train_loss: 0.2428, step time: 1.3753
Batch 222/248, train_loss: 0.2145, step time: 1.3813
Batch 223/248, train_loss: 0.0414, step time: 1.3841
Batch 224/248, train_loss: 0.0807, step time: 1.3521
Batch 225/248, train_loss: 0.2077, step time: 1.3715
Batch 226/248, train_loss: 0.1049, step time: 1.3931
Batch 227/248, train_loss: 0.1003, step time: 1.3588
Batch 228/248, train_loss: 0.1633, step time: 1.3691
Batch 229/248, train_loss: 0.0912, step time: 1.3860
Batch 230/248, train_loss: 0.0669, step time: 1.3933
Batch 231/248, train_loss: 0.3148, step time: 1.3715
Batch 232/248, train_loss: 0.0772, step time: 1.4000
Batch 233/248, train_loss: 0.9173, step time: 1.4056
Batch 234/248, train_loss: 0.4213, step time: 1.3682
Batch 235/248, train_loss: 0.4143, step time: 1.3842
Batch 236/248, train_loss: 0.7155, step time: 1.3697
Batch 237/248, train_loss: 0.1259, step time: 1.3760
Batch 238/248, train_loss: 0.0937, step time: 1.3594
Batch 239/248, train_loss: 0.0536, step time: 1.3675
Batch 240/248, train_loss: 0.3067, step time: 1.3994
Batch 241/248, train_loss: 0.7049, step time: 1.3969
Batch 242/248, train_loss: 0.1361, step time: 1.3569
Batch 243/248, train_loss: 0.4562, step time: 1.3906

```
Batch 243/248, train_loss: 0.4505, step time: 1.5960  
Batch 244/248, train_loss: 0.5513, step time: 1.3722  
Batch 245/248, train_loss: 0.0696, step time: 1.3648  
Batch 246/248, train_loss: 0.5884, step time: 1.3925  
Batch 247/248, train_loss: 0.0730, step time: 1.3745  
Batch 248/248, train_loss: 0.9999, step time: 1.3565
```

Labels



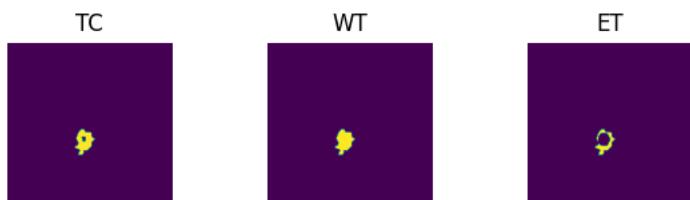
Predictions



VAL

```
Batch 1/31, val_loss: 0.8329  
Batch 2/31, val_loss: 0.9892  
Batch 3/31, val_loss: 0.9625  
Batch 4/31, val_loss: 0.9312  
Batch 5/31, val_loss: 0.9931  
Batch 6/31, val_loss: 0.6893  
Batch 7/31, val_loss: 0.8182  
Batch 8/31, val_loss: 0.9219  
Batch 9/31, val_loss: 0.6859  
Batch 10/31, val_loss: 0.9115  
Batch 11/31, val_loss: 0.8168  
Batch 12/31, val_loss: 0.9700  
Batch 13/31, val_loss: 0.9936  
Batch 14/31, val_loss: 0.9343  
Batch 15/31, val_loss: 0.9840  
Batch 16/31, val_loss: 0.9714  
Batch 17/31, val_loss: 0.9614  
Batch 18/31, val_loss: 0.9304  
Batch 19/31, val_loss: 0.7305  
Batch 20/31, val_loss: 0.8504  
Batch 21/31, val_loss: 0.8866  
Batch 22/31, val_loss: 0.9568  
Batch 23/31, val_loss: 0.9673  
Batch 24/31, val_loss: 0.7329  
Batch 25/31, val_loss: 0.7964  
Batch 26/31, val_loss: 0.9242  
Batch 27/31, val_loss: 0.9714  
Batch 28/31, val_loss: 0.7415  
Batch 29/31, val_loss: 0.9835  
Batch 30/31, val_loss: 0.9628  
Batch 31/31, val_loss: 0.9742
```

Labels



Predictions



epoch 74

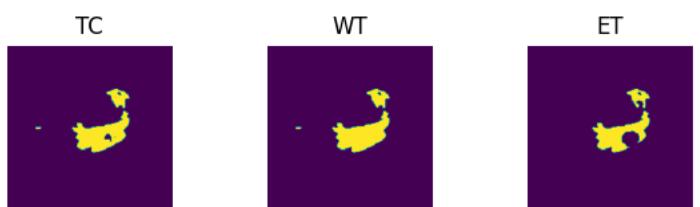
```
average train loss: 0.2577
average validation loss: 0.8960
saved as best model: False
current mean dice: 0.5912
current TC dice: 0.6148
current WT dice: 0.6202
current ET dice: 0.5822
Best Mean Metric: 0.6305
time consuming of epoch 74 is: 1680.9277
-----
epoch 75/100
TRAIN
Batch 1/248, train_loss: 0.0843, step time: 1.4385
Batch 2/248, train_loss: 0.7029, step time: 1.3947
Batch 3/248, train_loss: 0.3075, step time: 1.3905
Batch 4/248, train_loss: 0.8238, step time: 1.3549
Batch 5/248, train_loss: 0.1679, step time: 1.3672
Batch 6/248, train_loss: 0.2340, step time: 1.3679
Batch 7/248, train_loss: 0.0722, step time: 1.3664
Batch 8/248, train_loss: 0.6092, step time: 1.3794
Batch 9/248, train_loss: 0.0410, step time: 1.3791
Batch 10/248, train_loss: 0.2282, step time: 1.3827
Batch 11/248, train_loss: 0.1601, step time: 1.3676
Batch 12/248, train_loss: 0.3304, step time: 1.3846
Batch 13/248, train_loss: 0.2308, step time: 1.3965
Batch 14/248, train_loss: 0.0526, step time: 1.3829
Batch 15/248, train_loss: 0.3011, step time: 1.3579
Batch 16/248, train_loss: 0.1385, step time: 1.3536
Batch 17/248, train_loss: 0.2846, step time: 1.3653
Batch 18/248, train_loss: 0.2577, step time: 1.3700
Batch 19/248, train_loss: 0.2555, step time: 1.4034
Batch 20/248, train_loss: 0.0975, step time: 1.3917
Batch 21/248, train_loss: 0.0442, step time: 1.3865
Batch 22/248, train_loss: 0.3814, step time: 1.3688
Batch 23/248, train_loss: 0.7344, step time: 1.4047
Batch 24/248, train_loss: 0.1063, step time: 1.3954
Batch 25/248, train_loss: 0.0517, step time: 1.3684
Batch 26/248, train_loss: 0.3593, step time: 1.3737
Batch 27/248, train_loss: 0.0657, step time: 1.3715
Batch 28/248, train_loss: 0.1577, step time: 1.3672
Batch 29/248, train_loss: 0.3903, step time: 1.3974
Batch 30/248, train_loss: 0.1987, step time: 1.3686
Batch 31/248, train_loss: 0.3052, step time: 1.3964
Batch 32/248, train_loss: 0.0659, step time: 1.3872
Batch 33/248, train_loss: 0.0738, step time: 1.3652
Batch 34/248, train_loss: 0.0430, step time: 1.3679
Batch 35/248, train_loss: 0.0599, step time: 1.3874
Batch 36/248, train_loss: 0.5289, step time: 1.4019
Batch 37/248, train_loss: 0.1335, step time: 1.3573
Batch 38/248, train_loss: 0.2911, step time: 1.3841
Batch 39/248, train_loss: 0.1534, step time: 1.3778
Batch 40/248, train_loss: 0.5410, step time: 1.4001
Batch 41/248, train_loss: 0.2255, step time: 1.3901
Batch 42/248, train_loss: 0.0650, step time: 1.3751
Batch 43/248, train_loss: 0.0596, step time: 1.3673
Batch 44/248, train_loss: 0.1576, step time: 1.3752
Batch 45/248, train_loss: 0.9526, step time: 1.3671
Batch 46/248, train_loss: 0.1475, step time: 1.3822
Batch 47/248, train_loss: 0.0716, step time: 1.3591
Batch 48/248, train_loss: 0.3618, step time: 1.3634
Batch 49/248, train_loss: 0.4761, step time: 1.3796
Batch 50/248, train_loss: 0.1082, step time: 1.3566
Batch 51/248, train_loss: 0.1787, step time: 1.3652
Batch 52/248, train_loss: 0.1064, step time: 1.3917
Batch 53/248, train_loss: 0.3725, step time: 1.3851
Batch 54/248, train_loss: 0.2570, step time: 1.3728
Batch 55/248, train_loss: 0.2392, step time: 1.4044
Batch 56/248, train_loss: 0.1553, step time: 1.3743
Batch 57/248, train_loss: 0.2966, step time: 1.3883
Batch 58/248, train_loss: 0.0677, step time: 1.3811
Batch 59/248, train_loss: 0.1018, step time: 1.3925
Batch 60/248, train_loss: 0.0590, step time: 1.3863
Batch 61/248, train_loss: 0.0705, step time: 1.3852
Batch 62/248, train_loss: 0.2333, step time: 1.3852
Batch 63/248, train_loss: 0.4238, step time: 1.3701
Batch 64/248, train_loss: 0.3784, step time: 1.3735
Batch 65/248, train_loss: 0.2386, step time: 1.3738
Batch 66/248, train_loss: 0.1075, step time: 1.3624
Batch 67/248, train_loss: 0.0612, step time: 1.3689
Batch 68/248, train_loss: 0.2043, step time: 1.3735
Batch 69/248, train_loss: 0.4136, step time: 1.4059
Batch 70/248, train_loss: 0.1964, step time: 1.3842
Batch 71/248, train_loss: 0.1184, step time: 1.3761
Batch 72/248, train_loss: 0.0569, step time: 1.3641
Batch 73/248, train_loss: 0.1446, step time: 1.3685
```

Batch 74/248, train_loss: 0.4141, step time: 1.3778
Batch 75/248, train_loss: 0.1234, step time: 1.3679
Batch 76/248, train_loss: 0.5242, step time: 1.3809
Batch 77/248, train_loss: 0.7382, step time: 1.3749
Batch 78/248, train_loss: 0.0921, step time: 1.3589
Batch 79/248, train_loss: 0.1335, step time: 1.3646
Batch 80/248, train_loss: 0.1717, step time: 1.3867
Batch 81/248, train_loss: 0.1091, step time: 1.3692
Batch 82/248, train_loss: 0.0745, step time: 1.3710
Batch 83/248, train_loss: 0.5049, step time: 1.3806
Batch 84/248, train_loss: 0.2390, step time: 1.3920
Batch 85/248, train_loss: 0.3106, step time: 1.3780
Batch 86/248, train_loss: 0.2014, step time: 1.3770
Batch 87/248, train_loss: 0.7275, step time: 1.3962
Batch 88/248, train_loss: 0.3102, step time: 1.3931
Batch 89/248, train_loss: 0.0721, step time: 1.3557
Batch 90/248, train_loss: 0.3855, step time: 1.3706
Batch 91/248, train_loss: 0.3403, step time: 1.4159
Batch 92/248, train_loss: 0.8744, step time: 1.3895
Batch 93/248, train_loss: 0.1288, step time: 1.3735
Batch 94/248, train_loss: 0.2089, step time: 1.4047
Batch 95/248, train_loss: 0.1530, step time: 1.3883
Batch 96/248, train_loss: 0.1304, step time: 1.3721
Batch 97/248, train_loss: 0.5063, step time: 1.3760
Batch 98/248, train_loss: 0.0941, step time: 1.3858
Batch 99/248, train_loss: 0.2724, step time: 1.3717
Batch 100/248, train_loss: 0.2165, step time: 1.3607
Batch 101/248, train_loss: 0.0393, step time: 1.3452
Batch 102/248, train_loss: 0.0938, step time: 1.3670
Batch 103/248, train_loss: 0.3473, step time: 1.4026
Batch 104/248, train_loss: 0.3601, step time: 1.3716
Batch 105/248, train_loss: 0.0840, step time: 1.3928
Batch 106/248, train_loss: 0.1213, step time: 1.3623
Batch 107/248, train_loss: 0.2347, step time: 1.3670
Batch 108/248, train_loss: 0.5220, step time: 1.3694
Batch 109/248, train_loss: 0.9688, step time: 1.3992
Batch 110/248, train_loss: 0.6374, step time: 1.4054
Batch 111/248, train_loss: 0.0797, step time: 1.3953
Batch 112/248, train_loss: 0.1931, step time: 1.3931
Batch 113/248, train_loss: 0.4903, step time: 1.3897
Batch 114/248, train_loss: 0.2083, step time: 1.3954
Batch 115/248, train_loss: 0.2223, step time: 1.3973
Batch 116/248, train_loss: 0.0600, step time: 1.3741
Batch 117/248, train_loss: 0.8201, step time: 1.3745
Batch 118/248, train_loss: 0.5639, step time: 1.3997
Batch 119/248, train_loss: 0.2626, step time: 1.3612
Batch 120/248, train_loss: 0.1829, step time: 1.3892
Batch 121/248, train_loss: 0.2861, step time: 1.3992
Batch 122/248, train_loss: 0.3701, step time: 1.3824
Batch 123/248, train_loss: 0.0648, step time: 1.3800
Batch 124/248, train_loss: 0.5050, step time: 1.3944
Batch 125/248, train_loss: 0.4669, step time: 1.3855
Batch 126/248, train_loss: 0.1802, step time: 1.3879
Batch 127/248, train_loss: 0.1054, step time: 1.3836
Batch 128/248, train_loss: 0.1289, step time: 1.3829
Batch 129/248, train_loss: 0.0836, step time: 1.3545
Batch 130/248, train_loss: 0.0751, step time: 1.3841
Batch 131/248, train_loss: 0.4246, step time: 1.3978
Batch 132/248, train_loss: 0.2035, step time: 1.3656
Batch 133/248, train_loss: 0.2677, step time: 1.3691
Batch 134/248, train_loss: 0.8426, step time: 1.3981
Batch 135/248, train_loss: 0.1509, step time: 1.3805
Batch 136/248, train_loss: 0.1034, step time: 1.3872
Batch 137/248, train_loss: 0.1165, step time: 1.3873
Batch 138/248, train_loss: 0.0676, step time: 1.3949
Batch 139/248, train_loss: 0.1308, step time: 1.3572
Batch 140/248, train_loss: 0.1924, step time: 1.3839
Batch 141/248, train_loss: 0.1246, step time: 1.3786
Batch 142/248, train_loss: 0.6749, step time: 1.3844
Batch 143/248, train_loss: 0.1900, step time: 1.3989
Batch 144/248, train_loss: 0.1257, step time: 1.3980
Batch 145/248, train_loss: 0.0531, step time: 1.3485
Batch 146/248, train_loss: 0.3081, step time: 1.3834
Batch 147/248, train_loss: 0.0391, step time: 1.3698
Batch 148/248, train_loss: 0.8116, step time: 1.3739
Batch 149/248, train_loss: 0.1218, step time: 1.3977
Batch 150/248, train_loss: 0.5161, step time: 1.3782
Batch 151/248, train_loss: 0.1819, step time: 1.3659
Batch 152/248, train_loss: 0.0382, step time: 1.3821
Batch 153/248, train_loss: 0.1722, step time: 1.3837
Batch 154/248, train_loss: 0.5273, step time: 1.3744
Batch 155/248, train_loss: 0.0967, step time: 1.3952
Batch 156/248, train_loss: 0.1131, step time: 1.3637
Batch 157/248, train_loss: 0.3276, step time: 1.3650

Batch 158/248, train_loss: 0.9468, step time: 1.3925
Batch 159/248, train_loss: 0.3861, step time: 1.3792
Batch 160/248, train_loss: 0.0882, step time: 1.3796
Batch 161/248, train_loss: 0.0553, step time: 1.3603
Batch 162/248, train_loss: 0.0669, step time: 1.3747
Batch 163/248, train_loss: 0.1274, step time: 1.3645
Batch 164/248, train_loss: 0.2625, step time: 1.3734
Batch 165/248, train_loss: 0.4448, step time: 1.3998
Batch 166/248, train_loss: 0.0826, step time: 1.3897
Batch 167/248, train_loss: 0.1439, step time: 1.3578
Batch 168/248, train_loss: 0.1432, step time: 1.3862
Batch 169/248, train_loss: 0.0777, step time: 1.3809
Batch 170/248, train_loss: 0.4782, step time: 1.3938
Batch 171/248, train_loss: 0.0830, step time: 1.3659
Batch 172/248, train_loss: 0.3552, step time: 1.3969
Batch 173/248, train_loss: 0.0886, step time: 1.3806
Batch 174/248, train_loss: 0.3267, step time: 1.3956
Batch 175/248, train_loss: 0.1090, step time: 1.3697
Batch 176/248, train_loss: 0.3454, step time: 1.3904
Batch 177/248, train_loss: 0.2093, step time: 1.3757
Batch 178/248, train_loss: 0.3155, step time: 1.4020
Batch 179/248, train_loss: 0.0671, step time: 1.3888
Batch 180/248, train_loss: 0.4032, step time: 1.3789
Batch 181/248, train_loss: 0.0868, step time: 1.3955
Batch 182/248, train_loss: 0.9044, step time: 1.3706
Batch 183/248, train_loss: 0.0753, step time: 1.3875
Batch 184/248, train_loss: 0.2842, step time: 1.3822
Batch 185/248, train_loss: 0.0876, step time: 1.3684
Batch 186/248, train_loss: 0.0887, step time: 1.3838
Batch 187/248, train_loss: 0.2095, step time: 1.3789
Batch 188/248, train_loss: 0.1950, step time: 1.3710
Batch 189/248, train_loss: 0.4331, step time: 1.3781
Batch 190/248, train_loss: 0.1282, step time: 1.3951
Batch 191/248, train_loss: 0.6166, step time: 1.3709
Batch 192/248, train_loss: 0.2159, step time: 1.3658
Batch 193/248, train_loss: 0.2133, step time: 1.3736
Batch 194/248, train_loss: 0.0971, step time: 1.3873
Batch 195/248, train_loss: 0.5881, step time: 1.3976
Batch 196/248, train_loss: 0.5499, step time: 1.3675
Batch 197/248, train_loss: 0.1648, step time: 1.3740
Batch 198/248, train_loss: 0.4656, step time: 1.3682
Batch 199/248, train_loss: 0.1367, step time: 1.3813
Batch 200/248, train_loss: 0.1261, step time: 1.3576
Batch 201/248, train_loss: 0.1167, step time: 1.3780
Batch 202/248, train_loss: 0.4659, step time: 1.4021
Batch 203/248, train_loss: 0.2999, step time: 1.3664
Batch 204/248, train_loss: 0.0807, step time: 1.3692
Batch 205/248, train_loss: 0.2341, step time: 1.3734
Batch 206/248, train_loss: 0.2841, step time: 1.3941
Batch 207/248, train_loss: 0.0881, step time: 1.3710
Batch 208/248, train_loss: 0.1351, step time: 1.3802
Batch 209/248, train_loss: 0.1297, step time: 1.4009
Batch 210/248, train_loss: 0.0657, step time: 1.3630
Batch 211/248, train_loss: 0.0642, step time: 1.3679
Batch 212/248, train_loss: 0.2246, step time: 1.3762
Batch 213/248, train_loss: 0.1376, step time: 1.3777
Batch 214/248, train_loss: 0.0732, step time: 1.3573
Batch 215/248, train_loss: 0.3362, step time: 1.3747
Batch 216/248, train_loss: 0.1823, step time: 1.3864
Batch 217/248, train_loss: 0.2479, step time: 1.3782
Batch 218/248, train_loss: 0.7497, step time: 1.3872
Batch 219/248, train_loss: 0.0653, step time: 1.3781
Batch 220/248, train_loss: 0.1707, step time: 1.3751
Batch 221/248, train_loss: 0.2557, step time: 1.3774
Batch 222/248, train_loss: 0.2276, step time: 1.3986
Batch 223/248, train_loss: 0.0466, step time: 1.3898
Batch 224/248, train_loss: 0.0856, step time: 1.3692
Batch 225/248, train_loss: 0.2133, step time: 1.3779
Batch 226/248, train_loss: 0.1165, step time: 1.3579
Batch 227/248, train_loss: 0.0896, step time: 1.3524
Batch 228/248, train_loss: 0.1414, step time: 1.4040
Batch 229/248, train_loss: 0.0774, step time: 1.3727
Batch 230/248, train_loss: 0.0613, step time: 1.3873
Batch 231/248, train_loss: 0.2830, step time: 1.3915
Batch 232/248, train_loss: 0.0701, step time: 1.3570
Batch 233/248, train_loss: 0.8648, step time: 1.3951
Batch 234/248, train_loss: 0.3905, step time: 1.3590
Batch 235/248, train_loss: 0.1820, step time: 1.3844
Batch 236/248, train_loss: 0.7316, step time: 1.3590
Batch 237/248, train_loss: 0.1192, step time: 1.3584
Batch 238/248, train_loss: 0.0843, step time: 1.3925
Batch 239/248, train_loss: 0.0627, step time: 1.3781
Batch 240/248, train_loss: 0.3568, step time: 1.3749
Batch 241/248, train_loss: 0.5563, step time: 1.3842
Batch 242/248, train_loss: 0.1341, step time: 1.4005

```
Batch 243/248, train_loss: 0.4621, step time: 1.3744  
Batch 244/248, train_loss: 0.3197, step time: 1.3904  
Batch 245/248, train_loss: 0.0983, step time: 1.3894  
Batch 246/248, train_loss: 0.5484, step time: 1.3893  
Batch 247/248, train_loss: 0.0661, step time: 1.3493  
Batch 248/248, train_loss: 0.9998, step time: 1.3711
```

Labels



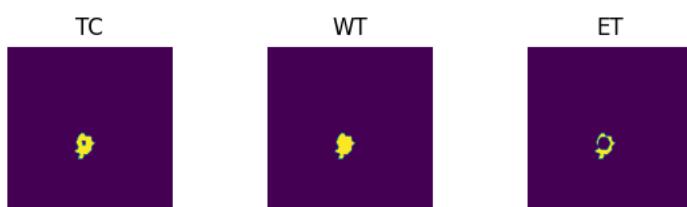
Predictions



VAL

```
Batch 1/31, val_loss: 0.8342  
Batch 2/31, val_loss: 0.9893  
Batch 3/31, val_loss: 0.9613  
Batch 4/31, val_loss: 0.9371  
Batch 5/31, val_loss: 0.9912  
Batch 6/31, val_loss: 0.6904  
Batch 7/31, val_loss: 0.8200  
Batch 8/31, val_loss: 0.9381  
Batch 9/31, val_loss: 0.6878  
Batch 10/31, val_loss: 0.9076  
Batch 11/31, val_loss: 0.8158  
Batch 12/31, val_loss: 0.9681  
Batch 13/31, val_loss: 0.9889  
Batch 14/31, val_loss: 0.9328  
Batch 15/31, val_loss: 0.9842  
Batch 16/31, val_loss: 0.9722  
Batch 17/31, val_loss: 0.9630  
Batch 18/31, val_loss: 0.9292  
Batch 19/31, val_loss: 0.7315  
Batch 20/31, val_loss: 0.8569  
Batch 21/31, val_loss: 0.8681  
Batch 22/31, val_loss: 0.9562  
Batch 23/31, val_loss: 0.9682  
Batch 24/31, val_loss: 0.7374  
Batch 25/31, val_loss: 0.7976  
Batch 26/31, val_loss: 0.9208  
Batch 27/31, val_loss: 0.9752  
Batch 28/31, val_loss: 0.7428  
Batch 29/31, val_loss: 0.9823  
Batch 30/31, val_loss: 0.9626  
Batch 31/31, val_loss: 0.9722
```

Labels



Predictions



epoch 75

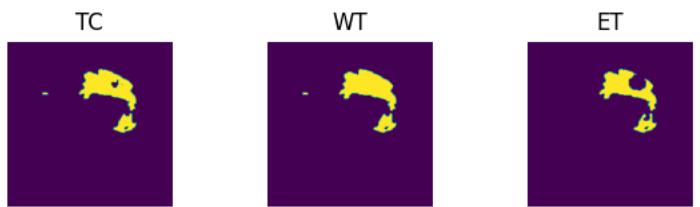
```
epoch 75
average train loss: 0.2580
average validation loss: 0.8962
saved as best model: True
current mean dice: 0.6355
current TC dice: 0.6684
current WT dice: 0.6738
current ET dice: 0.6002
Best Mean Metric: 0.6355
time consuming of epoch 75 is: 1682.2219
-----
epoch 76/100
TRAIN
Batch 1/248, train_loss: 0.0791, step time: 1.4468
Batch 2/248, train_loss: 0.7097, step time: 1.3902
Batch 3/248, train_loss: 0.3426, step time: 1.3643
Batch 4/248, train_loss: 0.8499, step time: 1.3804
Batch 5/248, train_loss: 0.1847, step time: 1.3673
Batch 6/248, train_loss: 0.2313, step time: 1.3936
Batch 7/248, train_loss: 0.0530, step time: 1.3713
Batch 8/248, train_loss: 0.7925, step time: 1.3842
Batch 9/248, train_loss: 0.0450, step time: 1.3944
Batch 10/248, train_loss: 0.2044, step time: 1.3662
Batch 11/248, train_loss: 0.1826, step time: 1.3753
Batch 12/248, train_loss: 0.3794, step time: 1.3885
Batch 13/248, train_loss: 0.2378, step time: 1.3941
Batch 14/248, train_loss: 0.0548, step time: 1.3806
Batch 15/248, train_loss: 0.2959, step time: 1.3681
Batch 16/248, train_loss: 0.1486, step time: 1.3987
Batch 17/248, train_loss: 0.1883, step time: 1.3861
Batch 18/248, train_loss: 0.2743, step time: 1.3677
Batch 19/248, train_loss: 0.1114, step time: 1.3813
Batch 20/248, train_loss: 0.2105, step time: 1.3957
Batch 21/248, train_loss: 0.0396, step time: 1.3627
Batch 22/248, train_loss: 0.3397, step time: 1.3713
Batch 23/248, train_loss: 0.4150, step time: 1.3939
Batch 24/248, train_loss: 0.0868, step time: 1.3793
Batch 25/248, train_loss: 0.0527, step time: 1.3428
Batch 26/248, train_loss: 0.3808, step time: 1.3820
Batch 27/248, train_loss: 0.0660, step time: 1.3831
Batch 28/248, train_loss: 0.1459, step time: 1.3885
Batch 29/248, train_loss: 0.3576, step time: 1.4053
Batch 30/248, train_loss: 0.1992, step time: 1.3811
Batch 31/248, train_loss: 0.2705, step time: 1.3675
Batch 32/248, train_loss: 0.0756, step time: 1.3974
Batch 33/248, train_loss: 0.0931, step time: 1.4007
Batch 34/248, train_loss: 0.0358, step time: 1.3734
Batch 35/248, train_loss: 0.0437, step time: 1.3679
Batch 36/248, train_loss: 0.4181, step time: 1.3968
Batch 37/248, train_loss: 0.1378, step time: 1.3904
Batch 38/248, train_loss: 0.2813, step time: 1.3785
Batch 39/248, train_loss: 0.1488, step time: 1.3594
Batch 40/248, train_loss: 0.5038, step time: 1.3634
Batch 41/248, train_loss: 0.1824, step time: 1.3741
Batch 42/248, train_loss: 0.0676, step time: 1.3764
Batch 43/248, train_loss: 0.0402, step time: 1.3663
Batch 44/248, train_loss: 0.1100, step time: 1.3603
Batch 45/248, train_loss: 0.5528, step time: 1.3996
Batch 46/248, train_loss: 0.1601, step time: 1.3608
Batch 47/248, train_loss: 0.0717, step time: 1.3930
Batch 48/248, train_loss: 0.4245, step time: 1.3801
Batch 49/248, train_loss: 0.4612, step time: 1.3951
Batch 50/248, train_loss: 0.1124, step time: 1.3488
Batch 51/248, train_loss: 0.1263, step time: 1.3989
Batch 52/248, train_loss: 0.1038, step time: 1.3812
Batch 53/248, train_loss: 0.3675, step time: 1.3925
Batch 54/248, train_loss: 0.2197, step time: 1.4019
Batch 55/248, train_loss: 0.2039, step time: 1.3883
Batch 56/248, train_loss: 0.1610, step time: 1.3947
Batch 57/248, train_loss: 0.3174, step time: 1.3639
Batch 58/248, train_loss: 0.0665, step time: 1.3614
Batch 59/248, train_loss: 0.1045, step time: 1.3857
Batch 60/248, train_loss: 0.0489, step time: 1.3677
Batch 61/248, train_loss: 0.0977, step time: 1.3646
Batch 62/248, train_loss: 0.1910, step time: 1.3718
Batch 63/248, train_loss: 0.4035, step time: 1.3954
Batch 64/248, train_loss: 0.3821, step time: 1.3704
Batch 65/248, train_loss: 0.2956, step time: 1.3632
Batch 66/248, train_loss: 0.1046, step time: 1.3564
Batch 67/248, train_loss: 0.0667, step time: 1.3490
Batch 68/248, train_loss: 0.1007, step time: 1.3649
Batch 69/248, train_loss: 0.6089, step time: 1.3981
Batch 70/248, train_loss: 0.1695, step time: 1.3919
Batch 71/248, train_loss: 0.1220, step time: 1.3950
Batch 72/248, train_loss: 0.0514, step time: 1.3783
-----
```

Batch 73/248, train_loss: 0.1610, step time: 1.3967
Batch 74/248, train_loss: 0.9827, step time: 1.3806
Batch 75/248, train_loss: 0.0962, step time: 1.3798
Batch 76/248, train_loss: 0.6384, step time: 1.3936
Batch 77/248, train_loss: 0.7280, step time: 1.3779
Batch 78/248, train_loss: 0.1123, step time: 1.3717
Batch 79/248, train_loss: 0.1309, step time: 1.3679
Batch 80/248, train_loss: 0.1788, step time: 1.3657
Batch 81/248, train_loss: 0.1269, step time: 1.3888
Batch 82/248, train_loss: 0.0885, step time: 1.3650
Batch 83/248, train_loss: 0.4928, step time: 1.3889
Batch 84/248, train_loss: 0.2578, step time: 1.3918
Batch 85/248, train_loss: 0.3192, step time: 1.3662
Batch 86/248, train_loss: 0.2168, step time: 1.3551
Batch 87/248, train_loss: 0.9823, step time: 1.3858
Batch 88/248, train_loss: 0.2828, step time: 1.3623
Batch 89/248, train_loss: 0.0856, step time: 1.3598
Batch 90/248, train_loss: 0.2088, step time: 1.3873
Batch 91/248, train_loss: 0.3249, step time: 1.3879
Batch 92/248, train_loss: 0.6678, step time: 1.3758
Batch 93/248, train_loss: 0.1295, step time: 1.3717
Batch 94/248, train_loss: 0.2469, step time: 1.3812
Batch 95/248, train_loss: 0.1625, step time: 1.3831
Batch 96/248, train_loss: 0.1057, step time: 1.3753
Batch 97/248, train_loss: 0.6381, step time: 1.3909
Batch 98/248, train_loss: 0.0980, step time: 1.3827
Batch 99/248, train_loss: 0.3627, step time: 1.3881
Batch 100/248, train_loss: 0.2068, step time: 1.3883
Batch 101/248, train_loss: 0.0424, step time: 1.3606
Batch 102/248, train_loss: 0.0984, step time: 1.3657
Batch 103/248, train_loss: 0.2746, step time: 1.3757
Batch 104/248, train_loss: 0.2469, step time: 1.3615
Batch 105/248, train_loss: 0.0725, step time: 1.3565
Batch 106/248, train_loss: 0.1112, step time: 1.3566
Batch 107/248, train_loss: 0.7378, step time: 1.3829
Batch 108/248, train_loss: 0.6233, step time: 1.3677
Batch 109/248, train_loss: 0.9853, step time: 1.3620
Batch 110/248, train_loss: 0.2758, step time: 1.3921
Batch 111/248, train_loss: 0.0773, step time: 1.3624
Batch 112/248, train_loss: 0.1571, step time: 1.3792
Batch 113/248, train_loss: 0.7835, step time: 1.3781
Batch 114/248, train_loss: 0.1284, step time: 1.3667
Batch 115/248, train_loss: 0.1311, step time: 1.3945
Batch 116/248, train_loss: 0.0610, step time: 1.3999
Batch 117/248, train_loss: 0.6020, step time: 1.3998
Batch 118/248, train_loss: 0.1852, step time: 1.3985
Batch 119/248, train_loss: 0.2855, step time: 1.3862
Batch 120/248, train_loss: 0.1935, step time: 1.3908
Batch 121/248, train_loss: 0.2623, step time: 1.3953
Batch 122/248, train_loss: 0.3642, step time: 1.3734
Batch 123/248, train_loss: 0.0577, step time: 1.3570
Batch 124/248, train_loss: 0.2361, step time: 1.3913
Batch 125/248, train_loss: 0.4767, step time: 1.3931
Batch 126/248, train_loss: 0.3078, step time: 1.3846
Batch 127/248, train_loss: 0.1031, step time: 1.3707
Batch 128/248, train_loss: 0.1206, step time: 1.3909
Batch 129/248, train_loss: 0.0899, step time: 1.3748
Batch 130/248, train_loss: 0.0843, step time: 1.3918
Batch 131/248, train_loss: 0.4067, step time: 1.3619
Batch 132/248, train_loss: 0.1504, step time: 1.3858
Batch 133/248, train_loss: 0.3673, step time: 1.3723
Batch 134/248, train_loss: 0.8389, step time: 1.3929
Batch 135/248, train_loss: 0.1874, step time: 1.3942
Batch 136/248, train_loss: 0.1138, step time: 1.3662
Batch 137/248, train_loss: 0.1297, step time: 1.3708
Batch 138/248, train_loss: 0.0576, step time: 1.3736
Batch 139/248, train_loss: 0.1397, step time: 1.3688
Batch 140/248, train_loss: 0.1676, step time: 1.3835
Batch 141/248, train_loss: 0.1169, step time: 1.3622
Batch 142/248, train_loss: 0.4803, step time: 1.3794
Batch 143/248, train_loss: 0.2234, step time: 1.3716
Batch 144/248, train_loss: 0.1221, step time: 1.3668
Batch 145/248, train_loss: 0.1234, step time: 1.3979
Batch 146/248, train_loss: 0.2419, step time: 1.3669
Batch 147/248, train_loss: 0.0396, step time: 1.3877
Batch 148/248, train_loss: 0.4721, step time: 1.3832
Batch 149/248, train_loss: 0.1280, step time: 1.3963
Batch 150/248, train_loss: 0.3693, step time: 1.3733
Batch 151/248, train_loss: 0.1998, step time: 1.3732
Batch 152/248, train_loss: 0.0440, step time: 1.3936
Batch 153/248, train_loss: 0.2144, step time: 1.3937
Batch 154/248, train_loss: 0.5651, step time: 1.3748
Batch 155/248, train_loss: 0.0983, step time: 1.3973
Batch 156/248, train_loss: 0.1359, step time: 1.3837
Batch 157/248, train_loss: 0.5514, step time: 1.3747

Batch 158/248, train_loss: 0.9159, step time: 1.3968
Batch 159/248, train_loss: 0.3220, step time: 1.3958
Batch 160/248, train_loss: 0.0675, step time: 1.3678
Batch 161/248, train_loss: 0.0637, step time: 1.3922
Batch 162/248, train_loss: 0.0931, step time: 1.3837
Batch 163/248, train_loss: 0.1133, step time: 1.3947
Batch 164/248, train_loss: 0.1813, step time: 1.3818
Batch 165/248, train_loss: 0.4484, step time: 1.3562
Batch 166/248, train_loss: 0.0989, step time: 1.3831
Batch 167/248, train_loss: 0.1747, step time: 1.3995
Batch 168/248, train_loss: 0.1318, step time: 1.3944
Batch 169/248, train_loss: 0.1334, step time: 1.3832
Batch 170/248, train_loss: 0.4505, step time: 1.3762
Batch 171/248, train_loss: 0.0784, step time: 1.3767
Batch 172/248, train_loss: 0.4047, step time: 1.3948
Batch 173/248, train_loss: 0.0729, step time: 1.3660
Batch 174/248, train_loss: 0.3690, step time: 1.3781
Batch 175/248, train_loss: 0.1387, step time: 1.3623
Batch 176/248, train_loss: 0.3509, step time: 1.3710
Batch 177/248, train_loss: 0.2749, step time: 1.4055
Batch 178/248, train_loss: 0.2985, step time: 1.3895
Batch 179/248, train_loss: 0.0594, step time: 1.3897
Batch 180/248, train_loss: 0.3599, step time: 1.3912
Batch 181/248, train_loss: 0.0735, step time: 1.3516
Batch 182/248, train_loss: 0.9375, step time: 1.3954
Batch 183/248, train_loss: 0.0761, step time: 1.3750
Batch 184/248, train_loss: 0.2383, step time: 1.3646
Batch 185/248, train_loss: 0.0931, step time: 1.3613
Batch 186/248, train_loss: 0.0801, step time: 1.3592
Batch 187/248, train_loss: 0.1737, step time: 1.3569
Batch 188/248, train_loss: 0.2342, step time: 1.3604
Batch 189/248, train_loss: 0.5525, step time: 1.3730
Batch 190/248, train_loss: 0.1179, step time: 1.3846
Batch 191/248, train_loss: 0.7019, step time: 1.3904
Batch 192/248, train_loss: 0.2149, step time: 1.3650
Batch 193/248, train_loss: 0.2305, step time: 1.3979
Batch 194/248, train_loss: 0.1030, step time: 1.4036
Batch 195/248, train_loss: 0.5680, step time: 1.3912
Batch 196/248, train_loss: 0.5638, step time: 1.3785
Batch 197/248, train_loss: 0.1671, step time: 1.3967
Batch 198/248, train_loss: 0.4722, step time: 1.3944
Batch 199/248, train_loss: 0.1433, step time: 1.3731
Batch 200/248, train_loss: 0.1235, step time: 1.3648
Batch 201/248, train_loss: 0.1119, step time: 1.3804
Batch 202/248, train_loss: 0.3922, step time: 1.3920
Batch 203/248, train_loss: 0.3513, step time: 1.3999
Batch 204/248, train_loss: 0.0861, step time: 1.3581
Batch 205/248, train_loss: 0.2558, step time: 1.3761
Batch 206/248, train_loss: 0.4460, step time: 1.3981
Batch 207/248, train_loss: 0.0609, step time: 1.3658
Batch 208/248, train_loss: 0.1604, step time: 1.3603
Batch 209/248, train_loss: 0.1165, step time: 1.3883
Batch 210/248, train_loss: 0.0598, step time: 1.3778
Batch 211/248, train_loss: 0.0671, step time: 1.3683
Batch 212/248, train_loss: 0.2075, step time: 1.3809
Batch 213/248, train_loss: 0.1480, step time: 1.3668
Batch 214/248, train_loss: 0.0826, step time: 1.3817
Batch 215/248, train_loss: 0.3950, step time: 1.3839
Batch 216/248, train_loss: 0.1747, step time: 1.4029
Batch 217/248, train_loss: 0.2442, step time: 1.4004
Batch 218/248, train_loss: 0.7385, step time: 1.3973
Batch 219/248, train_loss: 0.0728, step time: 1.3601
Batch 220/248, train_loss: 0.2161, step time: 1.3974
Batch 221/248, train_loss: 0.2693, step time: 1.4027
Batch 222/248, train_loss: 0.2157, step time: 1.3854
Batch 223/248, train_loss: 0.0391, step time: 1.3570
Batch 224/248, train_loss: 0.0831, step time: 1.3653
Batch 225/248, train_loss: 0.1571, step time: 1.3745
Batch 226/248, train_loss: 0.1548, step time: 1.3643
Batch 227/248, train_loss: 0.1418, step time: 1.3571
Batch 228/248, train_loss: 0.1403, step time: 1.3498
Batch 229/248, train_loss: 0.0877, step time: 1.3768
Batch 230/248, train_loss: 0.0655, step time: 1.3641
Batch 231/248, train_loss: 0.2590, step time: 1.3680
Batch 232/248, train_loss: 0.0715, step time: 1.3880
Batch 233/248, train_loss: 0.8800, step time: 1.3814
Batch 234/248, train_loss: 0.4199, step time: 1.3825
Batch 235/248, train_loss: 0.2066, step time: 1.3892
Batch 236/248, train_loss: 0.7445, step time: 1.3882
Batch 237/248, train_loss: 0.1232, step time: 1.3989
Batch 238/248, train_loss: 0.0823, step time: 1.3808
Batch 239/248, train_loss: 0.0799, step time: 1.3679
Batch 240/248, train_loss: 0.3397, step time: 1.3700
Batch 241/248, train_loss: 0.5969, step time: 1.3813
Batch 242/248, train_loss: 0.1347, step time: 1.3460

```
Batch 243/248, train_loss: 0.4441, step time: 1.3564  
Batch 244/248, train_loss: 0.3602, step time: 1.3837  
Batch 245/248, train_loss: 0.0695, step time: 1.3761  
Batch 246/248, train_loss: 0.6273, step time: 1.3886  
Batch 247/248, train_loss: 0.0836, step time: 1.3703  
Batch 248/248, train_loss: 0.9999, step time: 1.3654
```

Labels



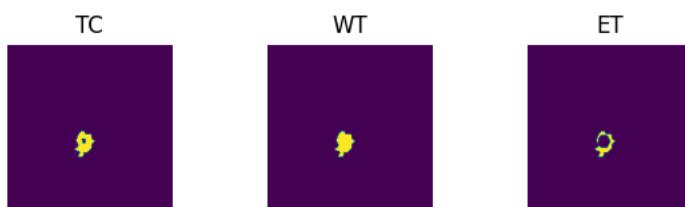
Predictions



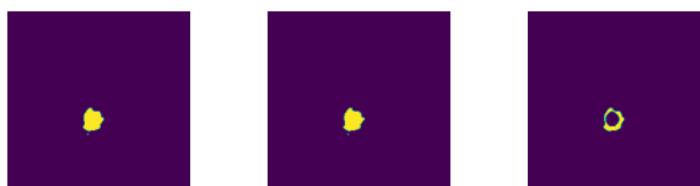
VAL

```
Batch 1/31, val_loss: 0.8353  
Batch 2/31, val_loss: 0.9889  
Batch 3/31, val_loss: 0.9609  
Batch 4/31, val_loss: 0.9347  
Batch 5/31, val_loss: 0.9925  
Batch 6/31, val_loss: 0.6970  
Batch 7/31, val_loss: 0.8226  
Batch 8/31, val_loss: 0.9278  
Batch 9/31, val_loss: 0.6901  
Batch 10/31, val_loss: 0.9116  
Batch 11/31, val_loss: 0.8149  
Batch 12/31, val_loss: 0.9657  
Batch 13/31, val_loss: 0.9954  
Batch 14/31, val_loss: 0.9312  
Batch 15/31, val_loss: 0.9848  
Batch 16/31, val_loss: 0.9716  
Batch 17/31, val_loss: 0.9608  
Batch 18/31, val_loss: 0.9317  
Batch 19/31, val_loss: 0.7321  
Batch 20/31, val_loss: 0.8611  
Batch 21/31, val_loss: 0.8794  
Batch 22/31, val_loss: 0.9573  
Batch 23/31, val_loss: 0.9662  
Batch 24/31, val_loss: 0.7398  
Batch 25/31, val_loss: 0.8027  
Batch 26/31, val_loss: 0.9173  
Batch 27/31, val_loss: 0.9709  
Batch 28/31, val_loss: 0.7417  
Batch 29/31, val_loss: 0.9839  
Batch 30/31, val_loss: 0.9577  
Batch 31/31, val_loss: 0.9729
```

Labels



Predictions



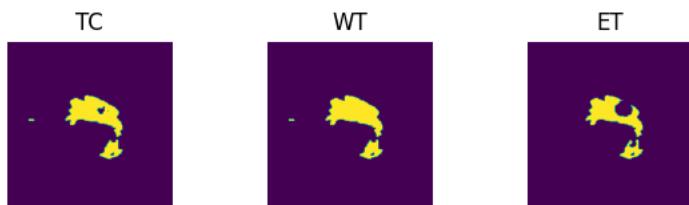
```
epoch 76
    average train loss: 0.2572
    average validation loss: 0.8968
    saved as best model: False
    current mean dice: 0.6195
    current TC dice: 0.6447
    current WT dice: 0.6494
    current ET dice: 0.6070
Best Mean Metric: 0.6355
time consuming of epoch 76 is: 1698.3326
-----
epoch 77/100
TRAIN
    Batch 1/248, train_loss: 0.0892, step time: 1.4232
    Batch 2/248, train_loss: 0.7537, step time: 1.3748
    Batch 3/248, train_loss: 0.3857, step time: 1.3727
    Batch 4/248, train_loss: 0.8231, step time: 1.4077
    Batch 5/248, train_loss: 0.2262, step time: 1.3986
    Batch 6/248, train_loss: 0.1618, step time: 1.3660
    Batch 7/248, train_loss: 0.0626, step time: 1.4004
    Batch 8/248, train_loss: 0.5859, step time: 1.3841
    Batch 9/248, train_loss: 0.0383, step time: 1.3883
    Batch 10/248, train_loss: 0.2217, step time: 1.3649
    Batch 11/248, train_loss: 0.1742, step time: 1.3635
    Batch 12/248, train_loss: 0.3590, step time: 1.3665
    Batch 13/248, train_loss: 0.2290, step time: 1.3643
    Batch 14/248, train_loss: 0.0540, step time: 1.3519
    Batch 15/248, train_loss: 0.2816, step time: 1.3694
    Batch 16/248, train_loss: 0.1194, step time: 1.3502
    Batch 17/248, train_loss: 0.2185, step time: 1.3961
    Batch 18/248, train_loss: 0.2648, step time: 1.3822
    Batch 19/248, train_loss: 0.1285, step time: 1.3715
    Batch 20/248, train_loss: 0.0842, step time: 1.3976
    Batch 21/248, train_loss: 0.0474, step time: 1.3927
    Batch 22/248, train_loss: 0.4875, step time: 1.3918
    Batch 23/248, train_loss: 0.3359, step time: 1.3948
    Batch 24/248, train_loss: 0.0794, step time: 1.4044
    Batch 25/248, train_loss: 0.0531, step time: 1.3908
    Batch 26/248, train_loss: 0.3493, step time: 1.3749
    Batch 27/248, train_loss: 0.0715, step time: 1.3831
    Batch 28/248, train_loss: 0.1540, step time: 1.3653
    Batch 29/248, train_loss: 0.3824, step time: 1.3836
    Batch 30/248, train_loss: 0.2076, step time: 1.3928
    Batch 31/248, train_loss: 0.2773, step time: 1.3747
    Batch 32/248, train_loss: 0.0613, step time: 1.3818
    Batch 33/248, train_loss: 0.0950, step time: 1.3612
    Batch 34/248, train_loss: 0.0480, step time: 1.3561
    Batch 35/248, train_loss: 0.0521, step time: 1.3750
    Batch 36/248, train_loss: 0.5803, step time: 1.3887
    Batch 37/248, train_loss: 0.1224, step time: 1.3601
    Batch 38/248, train_loss: 0.2759, step time: 1.3919
    Batch 39/248, train_loss: 0.1547, step time: 1.3819
    Batch 40/248, train_loss: 0.6220, step time: 1.3954
    Batch 41/248, train_loss: 0.1597, step time: 1.3703
    Batch 42/248, train_loss: 0.0680, step time: 1.3872
    Batch 43/248, train_loss: 0.0538, step time: 1.3581
    Batch 44/248, train_loss: 0.1607, step time: 1.3828
    Batch 45/248, train_loss: 0.5985, step time: 1.3711
    Batch 46/248, train_loss: 0.1444, step time: 1.3868
    Batch 47/248, train_loss: 0.0633, step time: 1.3868
    Batch 48/248, train_loss: 0.1765, step time: 1.3796
    Batch 49/248, train_loss: 0.4115, step time: 1.3801
    Batch 50/248, train_loss: 0.1140, step time: 1.3567
    Batch 51/248, train_loss: 0.1275, step time: 1.3736
    Batch 52/248, train_loss: 0.1063, step time: 1.3884
    Batch 53/248, train_loss: 0.3620, step time: 1.3767
    Batch 54/248, train_loss: 0.2448, step time: 1.3809
    Batch 55/248, train_loss: 0.2507, step time: 1.3968
    Batch 56/248, train_loss: 0.1527, step time: 1.3857
    Batch 57/248, train_loss: 0.2491, step time: 1.3818
    Batch 58/248, train_loss: 0.0653, step time: 1.3876
    Batch 59/248, train_loss: 0.0883, step time: 1.3719
    Batch 60/248, train_loss: 0.0615, step time: 1.3695
    Batch 61/248, train_loss: 0.0750, step time: 1.3648
    Batch 62/248, train_loss: 0.2145, step time: 1.3940
    Batch 63/248, train_loss: 0.4170, step time: 1.3830
    Batch 64/248, train_loss: 0.3468, step time: 1.3617
    Batch 65/248, train_loss: 0.1974, step time: 1.3761
    Batch 66/248, train_loss: 0.1100, step time: 1.3694
    Batch 67/248, train_loss: 0.0613, step time: 1.3656
    Batch 68/248, train_loss: 0.0894, step time: 1.3932
    Batch 69/248, train_loss: 0.4144, step time: 1.4063
    Batch 70/248, train_loss: 0.1771, step time: 1.3757
    Batch 71/248, train_loss: 0.1298, step time: 1.3857
    Batch 72/248, train_loss: 0.0422, step time: 1.3768
```

Batch 73/248, train_loss: 0.1610, step time: 1.3581
Batch 74/248, train_loss: 0.4127, step time: 1.3994
Batch 75/248, train_loss: 0.0892, step time: 1.3813
Batch 76/248, train_loss: 0.5034, step time: 1.3890
Batch 77/248, train_loss: 0.7078, step time: 1.3775
Batch 78/248, train_loss: 0.1018, step time: 1.3670
Batch 79/248, train_loss: 0.1355, step time: 1.3951
Batch 80/248, train_loss: 0.1895, step time: 1.3778
Batch 81/248, train_loss: 0.1120, step time: 1.3869
Batch 82/248, train_loss: 0.0850, step time: 1.3825
Batch 83/248, train_loss: 0.5030, step time: 1.3840
Batch 84/248, train_loss: 0.1712, step time: 1.3714
Batch 85/248, train_loss: 0.3621, step time: 1.3859
Batch 86/248, train_loss: 0.2148, step time: 1.3698
Batch 87/248, train_loss: 0.8680, step time: 1.3960
Batch 88/248, train_loss: 0.2889, step time: 1.3792
Batch 89/248, train_loss: 0.0648, step time: 1.3836
Batch 90/248, train_loss: 0.2041, step time: 1.4049
Batch 91/248, train_loss: 0.3010, step time: 1.3848
Batch 92/248, train_loss: 0.6604, step time: 1.3876
Batch 93/248, train_loss: 0.1611, step time: 1.3811
Batch 94/248, train_loss: 0.2457, step time: 1.3851
Batch 95/248, train_loss: 0.1653, step time: 1.3646
Batch 96/248, train_loss: 0.1191, step time: 1.3915
Batch 97/248, train_loss: 0.7579, step time: 1.3782
Batch 98/248, train_loss: 0.1142, step time: 1.3595
Batch 99/248, train_loss: 0.3153, step time: 1.3738
Batch 100/248, train_loss: 0.3225, step time: 1.3761
Batch 101/248, train_loss: 0.0471, step time: 1.3822
Batch 102/248, train_loss: 0.1052, step time: 1.3664
Batch 103/248, train_loss: 0.3308, step time: 1.3597
Batch 104/248, train_loss: 0.3587, step time: 1.3668
Batch 105/248, train_loss: 0.0914, step time: 1.3732
Batch 106/248, train_loss: 0.1689, step time: 1.3909
Batch 107/248, train_loss: 0.2405, step time: 1.3845
Batch 108/248, train_loss: 0.5648, step time: 1.3790
Batch 109/248, train_loss: 0.9500, step time: 1.4123
Batch 110/248, train_loss: 0.2627, step time: 1.3860
Batch 111/248, train_loss: 0.1067, step time: 1.3614
Batch 112/248, train_loss: 0.2289, step time: 1.3693
Batch 113/248, train_loss: 0.4015, step time: 1.3916
Batch 114/248, train_loss: 0.1544, step time: 1.3600
Batch 115/248, train_loss: 0.2854, step time: 1.3851
Batch 116/248, train_loss: 0.0830, step time: 1.3768
Batch 117/248, train_loss: 0.6494, step time: 1.3797
Batch 118/248, train_loss: 0.2384, step time: 1.3605
Batch 119/248, train_loss: 0.4641, step time: 1.3959
Batch 120/248, train_loss: 0.2174, step time: 1.3579
Batch 121/248, train_loss: 0.3598, step time: 1.3766
Batch 122/248, train_loss: 0.4387, step time: 1.3814
Batch 123/248, train_loss: 0.1656, step time: 1.3698
Batch 124/248, train_loss: 0.6086, step time: 1.3829
Batch 125/248, train_loss: 0.4376, step time: 1.3751
Batch 126/248, train_loss: 0.2580, step time: 1.4021
Batch 127/248, train_loss: 0.1638, step time: 1.3814
Batch 128/248, train_loss: 0.2624, step time: 1.3695
Batch 129/248, train_loss: 0.0941, step time: 1.3845
Batch 130/248, train_loss: 0.1478, step time: 1.3809
Batch 131/248, train_loss: 0.4523, step time: 1.3968
Batch 132/248, train_loss: 0.1494, step time: 1.3683
Batch 133/248, train_loss: 0.4913, step time: 1.3848
Batch 134/248, train_loss: 0.8976, step time: 1.3718
Batch 135/248, train_loss: 0.2484, step time: 1.3816
Batch 136/248, train_loss: 0.1399, step time: 1.3827
Batch 137/248, train_loss: 0.1275, step time: 1.3551
Batch 138/248, train_loss: 0.0928, step time: 1.3929
Batch 139/248, train_loss: 0.1415, step time: 1.3554
Batch 140/248, train_loss: 0.2920, step time: 1.3698
Batch 141/248, train_loss: 0.1185, step time: 1.3625
Batch 142/248, train_loss: 0.6837, step time: 1.3889
Batch 143/248, train_loss: 0.2224, step time: 1.3641
Batch 144/248, train_loss: 0.1084, step time: 1.3638
Batch 145/248, train_loss: 0.0878, step time: 1.3715
Batch 146/248, train_loss: 0.3421, step time: 1.3679
Batch 147/248, train_loss: 0.0560, step time: 1.3907
Batch 148/248, train_loss: 0.5864, step time: 1.4098
Batch 149/248, train_loss: 0.1311, step time: 1.3654
Batch 150/248, train_loss: 0.6118, step time: 1.3734
Batch 151/248, train_loss: 0.2585, step time: 1.3581
Batch 152/248, train_loss: 0.0384, step time: 1.3541
Batch 153/248, train_loss: 0.1557, step time: 1.3694
Batch 154/248, train_loss: 0.5565, step time: 1.3617
Batch 155/248, train_loss: 0.0864, step time: 1.3583
Batch 156/248, train_loss: 0.2140, step time: 1.3403
Batch 157/248, train_loss: 0.3509, step time: 1.3370

Batch 158/248, train_loss: 0.9292, step time: 1.3735
Batch 159/248, train_loss: 0.2956, step time: 1.3692
Batch 160/248, train_loss: 0.0743, step time: 1.3367
Batch 161/248, train_loss: 0.0564, step time: 1.3338
Batch 162/248, train_loss: 0.0662, step time: 1.3641
Batch 163/248, train_loss: 0.1153, step time: 1.3425
Batch 164/248, train_loss: 0.3011, step time: 1.3404
Batch 165/248, train_loss: 0.4008, step time: 1.3665
Batch 166/248, train_loss: 0.0805, step time: 1.3307
Batch 167/248, train_loss: 0.1482, step time: 1.3325
Batch 168/248, train_loss: 0.1519, step time: 1.3442
Batch 169/248, train_loss: 0.0887, step time: 1.3424
Batch 170/248, train_loss: 0.5174, step time: 1.3315
Batch 171/248, train_loss: 0.0810, step time: 1.3439
Batch 172/248, train_loss: 0.4628, step time: 1.3483
Batch 173/248, train_loss: 0.1078, step time: 1.3624
Batch 174/248, train_loss: 0.3865, step time: 1.3573
Batch 175/248, train_loss: 0.1169, step time: 1.3513
Batch 176/248, train_loss: 0.3506, step time: 1.3442
Batch 177/248, train_loss: 0.2582, step time: 1.3356
Batch 178/248, train_loss: 0.3156, step time: 1.3397
Batch 179/248, train_loss: 0.0885, step time: 1.3351
Batch 180/248, train_loss: 0.4614, step time: 1.3407
Batch 181/248, train_loss: 0.0826, step time: 1.3358
Batch 182/248, train_loss: 0.9028, step time: 1.3361
Batch 183/248, train_loss: 0.1215, step time: 1.3429
Batch 184/248, train_loss: 0.2877, step time: 1.3266
Batch 185/248, train_loss: 0.0857, step time: 1.3336
Batch 186/248, train_loss: 0.0771, step time: 1.3150
Batch 187/248, train_loss: 0.2516, step time: 1.3533
Batch 188/248, train_loss: 0.1896, step time: 1.3480
Batch 189/248, train_loss: 0.5303, step time: 1.3495
Batch 190/248, train_loss: 0.1456, step time: 1.3557
Batch 191/248, train_loss: 0.7014, step time: 1.3204
Batch 192/248, train_loss: 0.2246, step time: 1.3409
Batch 193/248, train_loss: 0.2116, step time: 1.3170
Batch 194/248, train_loss: 0.0909, step time: 1.3329
Batch 195/248, train_loss: 0.5758, step time: 1.3259
Batch 196/248, train_loss: 0.6453, step time: 1.3424
Batch 197/248, train_loss: 0.1788, step time: 1.3222
Batch 198/248, train_loss: 0.4575, step time: 1.3548
Batch 199/248, train_loss: 0.1393, step time: 1.3309
Batch 200/248, train_loss: 0.1173, step time: 1.3495
Batch 201/248, train_loss: 0.1077, step time: 1.3399
Batch 202/248, train_loss: 0.4963, step time: 1.3204
Batch 203/248, train_loss: 0.4508, step time: 1.3185
Batch 204/248, train_loss: 0.0971, step time: 1.3240
Batch 205/248, train_loss: 0.2310, step time: 1.3520
Batch 206/248, train_loss: 0.6156, step time: 1.3287
Batch 207/248, train_loss: 0.1347, step time: 1.3256
Batch 208/248, train_loss: 0.1369, step time: 1.3578
Batch 209/248, train_loss: 0.1198, step time: 1.3313
Batch 210/248, train_loss: 0.0604, step time: 1.3254
Batch 211/248, train_loss: 0.0892, step time: 1.3500
Batch 212/248, train_loss: 0.2189, step time: 1.3356
Batch 213/248, train_loss: 0.1924, step time: 1.3520
Batch 214/248, train_loss: 0.0782, step time: 1.3137
Batch 215/248, train_loss: 0.3042, step time: 1.3215
Batch 216/248, train_loss: 0.1910, step time: 1.3257
Batch 217/248, train_loss: 0.2525, step time: 1.3403
Batch 218/248, train_loss: 0.7068, step time: 1.3124
Batch 219/248, train_loss: 0.0827, step time: 1.3451
Batch 220/248, train_loss: 0.2168, step time: 1.3475
Batch 221/248, train_loss: 0.3136, step time: 1.3175
Batch 222/248, train_loss: 0.1885, step time: 1.3520
Batch 223/248, train_loss: 0.0548, step time: 1.3086
Batch 224/248, train_loss: 0.1040, step time: 1.3099
Batch 225/248, train_loss: 0.3715, step time: 1.3531
Batch 226/248, train_loss: 0.2782, step time: 1.3459
Batch 227/248, train_loss: 0.1055, step time: 1.3330
Batch 228/248, train_loss: 0.1487, step time: 1.3392
Batch 229/248, train_loss: 0.0898, step time: 1.3314
Batch 230/248, train_loss: 0.0696, step time: 1.3094
Batch 231/248, train_loss: 0.3128, step time: 1.3226
Batch 232/248, train_loss: 0.0671, step time: 1.3248
Batch 233/248, train_loss: 0.9515, step time: 1.3339
Batch 234/248, train_loss: 0.4163, step time: 1.3188
Batch 235/248, train_loss: 0.2542, step time: 1.3454
Batch 236/248, train_loss: 0.7658, step time: 1.3291
Batch 237/248, train_loss: 0.1674, step time: 1.3420
Batch 238/248, train_loss: 0.1285, step time: 1.3391
Batch 239/248, train_loss: 0.0674, step time: 1.3482
Batch 240/248, train_loss: 0.4054, step time: 1.3271
Batch 241/248, train_loss: 0.8781, step time: 1.3184
Batch 242/248, train_loss: 0.1657, step time: 1.3200

```
Batch 242/248, train_loss: 0.1657, step time: 1.3269
Batch 243/248, train_loss: 0.4364, step time: 1.3214
Batch 244/248, train_loss: 0.4123, step time: 1.3140
Batch 245/248, train_loss: 0.0713, step time: 1.3451
Batch 246/248, train_loss: 0.5713, step time: 1.3520
Batch 247/248, train_loss: 0.1860, step time: 1.3340
Batch 248/248, train_loss: 0.9997, step time: 1.3038
```

Labels



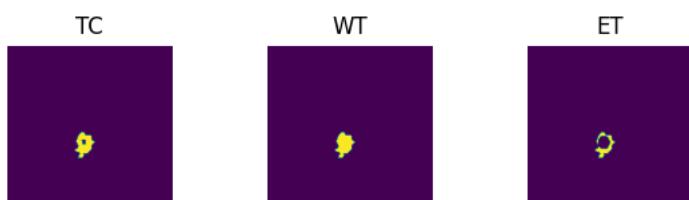
Predictions



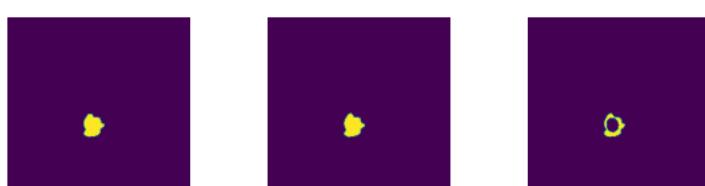
VAL

```
Batch 1/31, val_loss: 0.8360
Batch 2/31, val_loss: 0.9901
Batch 3/31, val_loss: 0.9621
Batch 4/31, val_loss: 0.9349
Batch 5/31, val_loss: 0.9908
Batch 6/31, val_loss: 0.6892
Batch 7/31, val_loss: 0.8289
Batch 8/31, val_loss: 0.9365
Batch 9/31, val_loss: 0.6883
Batch 10/31, val_loss: 0.9159
Batch 11/31, val_loss: 0.8196
Batch 12/31, val_loss: 0.9685
Batch 13/31, val_loss: 0.9964
Batch 14/31, val_loss: 0.9357
Batch 15/31, val_loss: 0.9845
Batch 16/31, val_loss: 0.9705
Batch 17/31, val_loss: 0.9717
Batch 18/31, val_loss: 0.9531
Batch 19/31, val_loss: 0.7420
Batch 20/31, val_loss: 0.8720
Batch 21/31, val_loss: 0.8868
Batch 22/31, val_loss: 0.9509
Batch 23/31, val_loss: 0.9700
Batch 24/31, val_loss: 0.7352
Batch 25/31, val_loss: 0.8043
Batch 26/31, val_loss: 0.9201
Batch 27/31, val_loss: 0.9715
Batch 28/31, val_loss: 0.7442
Batch 29/31, val_loss: 0.9829
Batch 30/31, val_loss: 0.9575
Batch 31/31, val_loss: 0.9762
```

Labels



Predictions



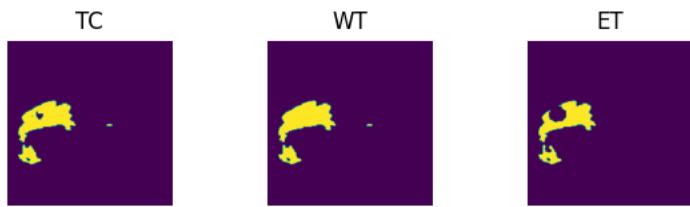
```
epoch 77
average train loss: 0.2667
average validation loss: 0.8996
saved as best model: False
current mean dice: 0.6129
current TC dice: 0.6433
current WT dice: 0.6501
current ET dice: 0.5801
Best Mean Metric: 0.6355
time consuming of epoch 77 is: 1704.2607
-----
epoch 78/100
TRAIN
Batch 1/248, train_loss: 0.0849, step time: 1.4025
Batch 2/248, train_loss: 0.6163, step time: 1.3256
Batch 3/248, train_loss: 0.2688, step time: 1.3211
Batch 4/248, train_loss: 0.9770, step time: 1.3436
Batch 5/248, train_loss: 0.2309, step time: 1.3288
Batch 6/248, train_loss: 0.3355, step time: 1.3556
Batch 7/248, train_loss: 0.0606, step time: 1.3242
Batch 8/248, train_loss: 0.6950, step time: 1.3191
Batch 9/248, train_loss: 0.0667, step time: 1.3519
Batch 10/248, train_loss: 0.2226, step time: 1.3249
Batch 11/248, train_loss: 0.2062, step time: 1.3339
Batch 12/248, train_loss: 0.3155, step time: 1.3500
Batch 13/248, train_loss: 0.4787, step time: 1.3278
Batch 14/248, train_loss: 0.0426, step time: 1.3289
Batch 15/248, train_loss: 0.2812, step time: 1.3457
Batch 16/248, train_loss: 0.1525, step time: 1.3284
Batch 17/248, train_loss: 0.2154, step time: 1.3318
Batch 18/248, train_loss: 0.3037, step time: 1.3350
Batch 19/248, train_loss: 0.1364, step time: 1.3328
Batch 20/248, train_loss: 0.1317, step time: 1.3151
Batch 21/248, train_loss: 0.0574, step time: 1.3264
Batch 22/248, train_loss: 0.7489, step time: 1.3233
Batch 23/248, train_loss: 0.3335, step time: 1.3539
Batch 24/248, train_loss: 0.0849, step time: 1.3290
Batch 25/248, train_loss: 0.0740, step time: 1.3368
Batch 26/248, train_loss: 0.4043, step time: 1.3337
Batch 27/248, train_loss: 0.0621, step time: 1.3206
Batch 28/248, train_loss: 0.1735, step time: 1.3270
Batch 29/248, train_loss: 0.3229, step time: 1.3488
Batch 30/248, train_loss: 0.1875, step time: 1.3342
Batch 31/248, train_loss: 0.3228, step time: 1.3491
Batch 32/248, train_loss: 0.0656, step time: 1.3336
Batch 33/248, train_loss: 0.0815, step time: 1.3556
Batch 34/248, train_loss: 0.0385, step time: 1.3501
Batch 35/248, train_loss: 0.0469, step time: 1.3576
Batch 36/248, train_loss: 0.5497, step time: 1.3536
Batch 37/248, train_loss: 0.1327, step time: 1.3546
Batch 38/248, train_loss: 0.2879, step time: 1.3616
Batch 39/248, train_loss: 0.1627, step time: 1.3472
Batch 40/248, train_loss: 0.5473, step time: 1.3603
Batch 41/248, train_loss: 0.1825, step time: 1.3501
Batch 42/248, train_loss: 0.0663, step time: 1.3446
Batch 43/248, train_loss: 0.0601, step time: 1.3449
Batch 44/248, train_loss: 0.1162, step time: 1.3431
Batch 45/248, train_loss: 0.6698, step time: 1.3710
Batch 46/248, train_loss: 0.1309, step time: 1.3446
Batch 47/248, train_loss: 0.0692, step time: 1.3581
Batch 48/248, train_loss: 0.1624, step time: 1.3852
Batch 49/248, train_loss: 0.3623, step time: 1.3834
Batch 50/248, train_loss: 0.1089, step time: 1.3419
Batch 51/248, train_loss: 0.1217, step time: 1.3538
Batch 52/248, train_loss: 0.1258, step time: 1.3770
Batch 53/248, train_loss: 0.3409, step time: 1.3605
Batch 54/248, train_loss: 0.2130, step time: 1.3601
Batch 55/248, train_loss: 0.2138, step time: 1.3539
Batch 56/248, train_loss: 0.1644, step time: 1.3689
Batch 57/248, train_loss: 0.2822, step time: 1.3881
Batch 58/248, train_loss: 0.0642, step time: 1.3541
Batch 59/248, train_loss: 0.0971, step time: 1.3733
Batch 60/248, train_loss: 0.0605, step time: 1.3628
Batch 61/248, train_loss: 0.0700, step time: 1.3589
Batch 62/248, train_loss: 0.2482, step time: 1.3619
Batch 63/248, train_loss: 0.4668, step time: 1.3546
Batch 64/248, train_loss: 0.4161, step time: 1.3834
Batch 65/248, train_loss: 0.2243, step time: 1.3473
Batch 66/248, train_loss: 0.1063, step time: 1.3488
Batch 67/248, train_loss: 0.0692, step time: 1.3791
Batch 68/248, train_loss: 0.0978, step time: 1.3647
Batch 69/248, train_loss: 0.5458, step time: 1.3602
Batch 70/248, train_loss: 0.1417, step time: 1.3673
Batch 71/248, train_loss: 0.1658, step time: 1.3851
Batch 72/248, train_loss: 0.0561, step time: 1.3651
```

Batch 1/248, train_loss: 0.0501, step time: 1.3654
Batch 2/248, train_loss: 0.7440, step time: 1.3738
Batch 3/248, train_loss: 0.9935, step time: 1.3763
Batch 4/248, train_loss: 0.1054, step time: 1.3559
Batch 5/248, train_loss: 0.6254, step time: 1.3867
Batch 6/248, train_loss: 0.9774, step time: 1.3914
Batch 7/248, train_loss: 0.2046, step time: 1.3835
Batch 8/248, train_loss: 0.2303, step time: 1.3941
Batch 9/248, train_loss: 0.2327, step time: 1.4037
Batch 10/248, train_loss: 0.2357, step time: 1.3968
Batch 11/248, train_loss: 0.2331, step time: 1.3918
Batch 12/248, train_loss: 0.7740, step time: 1.3802
Batch 13/248, train_loss: 0.2413, step time: 1.3694
Batch 14/248, train_loss: 0.4754, step time: 1.3771
Batch 15/248, train_loss: 0.3537, step time: 1.3891
Batch 16/248, train_loss: 0.7864, step time: 1.3767
Batch 17/248, train_loss: 0.3161, step time: 1.3708
Batch 18/248, train_loss: 0.1215, step time: 1.4029
Batch 19/248, train_loss: 0.2712, step time: 1.3636
Batch 20/248, train_loss: 0.3608, step time: 1.3901
Batch 21/248, train_loss: 0.7804, step time: 1.3794
Batch 22/248, train_loss: 0.1718, step time: 1.3887
Batch 23/248, train_loss: 0.2571, step time: 1.4119
Batch 24/248, train_loss: 0.1678, step time: 1.3919
Batch 25/248, train_loss: 0.1652, step time: 1.3955
Batch 26/248, train_loss: 0.5414, step time: 1.4073
Batch 27/248, train_loss: 0.1240, step time: 1.3779
Batch 28/248, train_loss: 0.2943, step time: 1.4052
Batch 29/248, train_loss: 0.2059, step time: 1.3872
Batch 30/248, train_loss: 0.0541, step time: 1.3882
Batch 31/248, train_loss: 0.2127, step time: 1.3835
Batch 32/248, train_loss: 0.3100, step time: 1.3525
Batch 33/248, train_loss: 0.3385, step time: 1.3883
Batch 34/248, train_loss: 0.0948, step time: 1.3767
Batch 35/248, train_loss: 0.1149, step time: 1.3655
Batch 36/248, train_loss: 0.2731, step time: 1.3773
Batch 37/248, train_loss: 0.4751, step time: 1.3940
Batch 38/248, train_loss: 0.9864, step time: 1.3922
Batch 39/248, train_loss: 0.4990, step time: 1.4054
Batch 40/248, train_loss: 0.1060, step time: 1.3933
Batch 41/248, train_loss: 0.1096, step time: 1.3769
Batch 42/248, train_loss: 0.6579, step time: 1.3760
Batch 43/248, train_loss: 0.1489, step time: 1.3617
Batch 44/248, train_loss: 0.1191, step time: 1.3905
Batch 45/248, train_loss: 0.0711, step time: 1.3737
Batch 46/248, train_loss: 0.7727, step time: 1.3860
Batch 47/248, train_loss: 0.1467, step time: 1.3759
Batch 48/248, train_loss: 0.2385, step time: 1.3582
Batch 49/248, train_loss: 0.2189, step time: 1.3657
Batch 50/248, train_loss: 0.2464, step time: 1.3881
Batch 51/248, train_loss: 0.4037, step time: 1.3772
Batch 52/248, train_loss: 0.0575, step time: 1.3657
Batch 53/248, train_loss: 0.3451, step time: 1.3753
Batch 54/248, train_loss: 0.4784, step time: 1.3893
Batch 55/248, train_loss: 0.2753, step time: 1.3812
Batch 56/248, train_loss: 0.0978, step time: 1.3679
Batch 57/248, train_loss: 0.1639, step time: 1.3717
Batch 58/248, train_loss: 0.1015, step time: 1.3972
Batch 59/248, train_loss: 0.0951, step time: 1.3950
Batch 60/248, train_loss: 0.3992, step time: 1.4003
Batch 61/248, train_loss: 0.1595, step time: 1.3813
Batch 62/248, train_loss: 0.1005, step time: 1.3665
Batch 63/248, train_loss: 0.8819, step time: 1.4017
Batch 64/248, train_loss: 0.2289, step time: 1.3734
Batch 65/248, train_loss: 0.1267, step time: 1.3640
Batch 66/248, train_loss: 0.1701, step time: 1.3741
Batch 67/248, train_loss: 0.0645, step time: 1.3947
Batch 68/248, train_loss: 0.1791, step time: 1.3653
Batch 69/248, train_loss: 0.1516, step time: 1.3952
Batch 70/248, train_loss: 0.1192, step time: 1.3646
Batch 71/248, train_loss: 0.4929, step time: 1.3831
Batch 72/248, train_loss: 0.2041, step time: 1.3621
Batch 73/248, train_loss: 0.1148, step time: 1.3931
Batch 74/248, train_loss: 0.1118, step time: 1.3654
Batch 75/248, train_loss: 0.2977, step time: 1.3916
Batch 76/248, train_loss: 0.0409, step time: 1.3649
Batch 77/248, train_loss: 0.5169, step time: 1.3799
Batch 78/248, train_loss: 0.1140, step time: 1.3888
Batch 79/248, train_loss: 0.5301, step time: 1.3685
Batch 80/248, train_loss: 0.2469, step time: 1.3824
Batch 81/248, train_loss: 0.0368, step time: 1.3545
Batch 82/248, train_loss: 0.2135, step time: 1.3870
Batch 83/248, train_loss: 0.5255, step time: 1.3820
Batch 84/248, train_loss: 0.0781, step time: 1.3681
Batch 85/248, train_loss: 0.1839, step time: 1.3658

Batch 157/248, train_loss: 0.3012, step time: 1.3678
Batch 158/248, train_loss: 0.9722, step time: 1.3742
Batch 159/248, train_loss: 0.3700, step time: 1.3695
Batch 160/248, train_loss: 0.1013, step time: 1.3866
Batch 161/248, train_loss: 0.1162, step time: 1.3841
Batch 162/248, train_loss: 0.1567, step time: 1.3703
Batch 163/248, train_loss: 0.1272, step time: 1.4022
Batch 164/248, train_loss: 0.3014, step time: 1.3686
Batch 165/248, train_loss: 0.4826, step time: 1.3980
Batch 166/248, train_loss: 0.0679, step time: 1.3673
Batch 167/248, train_loss: 0.1679, step time: 1.3552
Batch 168/248, train_loss: 0.1412, step time: 1.3641
Batch 169/248, train_loss: 0.0891, step time: 1.3562
Batch 170/248, train_loss: 0.5453, step time: 1.3880
Batch 171/248, train_loss: 0.0992, step time: 1.3649
Batch 172/248, train_loss: 0.3426, step time: 1.3988
Batch 173/248, train_loss: 0.1090, step time: 1.4009
Batch 174/248, train_loss: 0.4944, step time: 1.3727
Batch 175/248, train_loss: 0.1034, step time: 1.3699
Batch 176/248, train_loss: 0.3535, step time: 1.3656
Batch 177/248, train_loss: 0.1781, step time: 1.3656
Batch 178/248, train_loss: 0.2518, step time: 1.3690
Batch 179/248, train_loss: 0.0895, step time: 1.3688
Batch 180/248, train_loss: 0.3708, step time: 1.3775
Batch 181/248, train_loss: 0.0751, step time: 1.3849
Batch 182/248, train_loss: 0.6990, step time: 1.3711
Batch 183/248, train_loss: 0.0857, step time: 1.3483
Batch 184/248, train_loss: 0.2270, step time: 1.3864
Batch 185/248, train_loss: 0.0832, step time: 1.3606
Batch 186/248, train_loss: 0.0728, step time: 1.3842
Batch 187/248, train_loss: 0.1333, step time: 1.3691
Batch 188/248, train_loss: 0.2317, step time: 1.3604
Batch 189/248, train_loss: 0.5066, step time: 1.3957
Batch 190/248, train_loss: 0.1220, step time: 1.3897
Batch 191/248, train_loss: 0.6706, step time: 1.3621
Batch 192/248, train_loss: 0.2539, step time: 1.3667
Batch 193/248, train_loss: 0.2160, step time: 1.3768
Batch 194/248, train_loss: 0.0781, step time: 1.3569
Batch 195/248, train_loss: 0.5527, step time: 1.3697
Batch 196/248, train_loss: 0.6126, step time: 1.3885
Batch 197/248, train_loss: 0.1827, step time: 1.4078
Batch 198/248, train_loss: 0.6663, step time: 1.3732
Batch 199/248, train_loss: 0.1425, step time: 1.3884
Batch 200/248, train_loss: 0.1188, step time: 1.3883
Batch 201/248, train_loss: 0.1136, step time: 1.3699
Batch 202/248, train_loss: 0.3683, step time: 1.3960
Batch 203/248, train_loss: 0.3582, step time: 1.3674
Batch 204/248, train_loss: 0.0966, step time: 1.3747
Batch 205/248, train_loss: 0.2315, step time: 1.3966
Batch 206/248, train_loss: 0.4076, step time: 1.3682
Batch 207/248, train_loss: 0.0546, step time: 1.3920
Batch 208/248, train_loss: 0.1118, step time: 1.3694
Batch 209/248, train_loss: 0.1769, step time: 1.3912
Batch 210/248, train_loss: 0.0577, step time: 1.3645
Batch 211/248, train_loss: 0.0681, step time: 1.3725
Batch 212/248, train_loss: 0.2400, step time: 1.3804
Batch 213/248, train_loss: 0.1506, step time: 1.3805
Batch 214/248, train_loss: 0.0733, step time: 1.3563
Batch 215/248, train_loss: 0.3174, step time: 1.3809
Batch 216/248, train_loss: 0.1593, step time: 1.3908
Batch 217/248, train_loss: 0.2459, step time: 1.4042
Batch 218/248, train_loss: 0.7342, step time: 1.3988
Batch 219/248, train_loss: 0.0829, step time: 1.3791
Batch 220/248, train_loss: 0.2102, step time: 1.3971
Batch 221/248, train_loss: 0.2696, step time: 1.3803
Batch 222/248, train_loss: 0.2189, step time: 1.3741
Batch 223/248, train_loss: 0.0465, step time: 1.3782
Batch 224/248, train_loss: 0.0867, step time: 1.3591
Batch 225/248, train_loss: 0.1811, step time: 1.3686
Batch 226/248, train_loss: 0.1089, step time: 1.3778
Batch 227/248, train_loss: 0.0833, step time: 1.3897
Batch 228/248, train_loss: 0.2648, step time: 1.3641
Batch 229/248, train_loss: 0.0873, step time: 1.3590
Batch 230/248, train_loss: 0.0719, step time: 1.3804
Batch 231/248, train_loss: 0.2706, step time: 1.3774
Batch 232/248, train_loss: 0.0742, step time: 1.3809
Batch 233/248, train_loss: 0.9224, step time: 1.3624
Batch 234/248, train_loss: 0.3993, step time: 1.3748
Batch 235/248, train_loss: 0.2876, step time: 1.3814
Batch 236/248, train_loss: 0.7389, step time: 1.3852
Batch 237/248, train_loss: 0.1352, step time: 1.3600
Batch 238/248, train_loss: 0.1064, step time: 1.3752
Batch 239/248, train_loss: 0.0905, step time: 1.3808
Batch 240/248, train_loss: 0.3391, step time: 1.3752
Batch 241/248, train_loss: 0.4937, step time: 1.3689

```
Batch 242/248, train_loss: 0.1741, step time: 1.4014
Batch 243/248, train_loss: 0.4058, step time: 1.3682
Batch 244/248, train_loss: 0.3608, step time: 1.3847
Batch 245/248, train_loss: 0.0711, step time: 1.3860
Batch 246/248, train_loss: 0.5432, step time: 1.3885
Batch 247/248, train_loss: 0.0638, step time: 1.3597
Batch 248/248, train_loss: 0.9998, step time: 1.3775
```

Labels



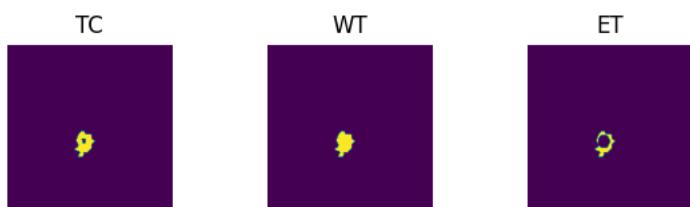
Predictions



VAL

```
Batch 1/31, val_loss: 0.8325
Batch 2/31, val_loss: 0.9896
Batch 3/31, val_loss: 0.9625
Batch 4/31, val_loss: 0.9363
Batch 5/31, val_loss: 0.9911
Batch 6/31, val_loss: 0.6911
Batch 7/31, val_loss: 0.8166
Batch 8/31, val_loss: 0.9412
Batch 9/31, val_loss: 0.6860
Batch 10/31, val_loss: 0.9085
Batch 11/31, val_loss: 0.8143
Batch 12/31, val_loss: 0.9713
Batch 13/31, val_loss: 0.9831
Batch 14/31, val_loss: 0.9333
Batch 15/31, val_loss: 0.9842
Batch 16/31, val_loss: 0.9699
Batch 17/31, val_loss: 0.9638
Batch 18/31, val_loss: 0.9307
Batch 19/31, val_loss: 0.7317
Batch 20/31, val_loss: 0.8610
Batch 21/31, val_loss: 0.8729
Batch 22/31, val_loss: 0.9526
Batch 23/31, val_loss: 0.9698
Batch 24/31, val_loss: 0.7339
Batch 25/31, val_loss: 0.7966
Batch 26/31, val_loss: 0.9218
Batch 27/31, val_loss: 0.9745
Batch 28/31, val_loss: 0.7428
Batch 29/31, val_loss: 0.9814
Batch 30/31, val_loss: 0.9630
Batch 31/31, val_loss: 0.9718
```

Labels



Predictions



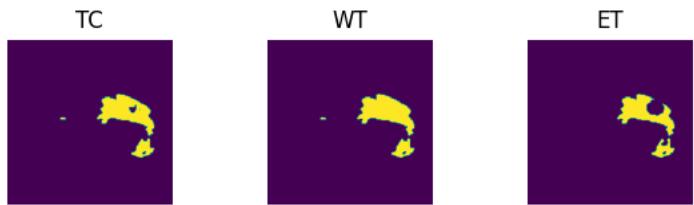
```
epoch 78
average train loss: 0.2679
average validation loss: 0.8961
saved as best model: True
current mean dice: 0.6427
current TC dice: 0.6764
current WT dice: 0.6830
current ET dice: 0.6021
Best Mean Metric: 0.6427
time consuming of epoch 78 is: 1714.7831
-----
epoch 79/100
TRAIN
Batch 1/248, train_loss: 0.0734, step time: 1.4492
Batch 2/248, train_loss: 0.7089, step time: 1.3946
Batch 3/248, train_loss: 0.3038, step time: 1.3650
Batch 4/248, train_loss: 0.9024, step time: 1.3813
Batch 5/248, train_loss: 0.1968, step time: 1.3642
Batch 6/248, train_loss: 0.2281, step time: 1.3656
Batch 7/248, train_loss: 0.0702, step time: 1.3981
Batch 8/248, train_loss: 0.6588, step time: 1.3604
Batch 9/248, train_loss: 0.0333, step time: 1.3593
Batch 10/248, train_loss: 0.2282, step time: 1.3598
Batch 11/248, train_loss: 0.1409, step time: 1.3675
Batch 12/248, train_loss: 0.2839, step time: 1.3743
Batch 13/248, train_loss: 0.3086, step time: 1.3962
Batch 14/248, train_loss: 0.0596, step time: 1.3889
Batch 15/248, train_loss: 0.3108, step time: 1.3699
Batch 16/248, train_loss: 0.1509, step time: 1.4069
Batch 17/248, train_loss: 0.1984, step time: 1.3782
Batch 18/248, train_loss: 0.2459, step time: 1.3934
Batch 19/248, train_loss: 0.1090, step time: 1.3982
Batch 20/248, train_loss: 0.1557, step time: 1.4011
Batch 21/248, train_loss: 0.0502, step time: 1.3807
Batch 22/248, train_loss: 0.3287, step time: 1.3630
Batch 23/248, train_loss: 0.3072, step time: 1.3677
Batch 24/248, train_loss: 0.0847, step time: 1.3719
Batch 25/248, train_loss: 0.0535, step time: 1.3946
Batch 26/248, train_loss: 0.3295, step time: 1.3950
Batch 27/248, train_loss: 0.0678, step time: 1.3605
Batch 28/248, train_loss: 0.1485, step time: 1.3923
Batch 29/248, train_loss: 0.3723, step time: 1.4087
Batch 30/248, train_loss: 0.2758, step time: 1.3675
Batch 31/248, train_loss: 0.3081, step time: 1.3711
Batch 32/248, train_loss: 0.0699, step time: 1.3985
Batch 33/248, train_loss: 0.0672, step time: 1.3733
Batch 34/248, train_loss: 0.0502, step time: 1.3556
Batch 35/248, train_loss: 0.0550, step time: 1.3676
Batch 36/248, train_loss: 0.8962, step time: 1.4010
Batch 37/248, train_loss: 0.1441, step time: 1.3763
Batch 38/248, train_loss: 0.2709, step time: 1.3753
Batch 39/248, train_loss: 0.1657, step time: 1.3656
Batch 40/248, train_loss: 0.5467, step time: 1.3830
Batch 41/248, train_loss: 0.1855, step time: 1.3850
Batch 42/248, train_loss: 0.0631, step time: 1.3874
Batch 43/248, train_loss: 0.0470, step time: 1.3804
Batch 44/248, train_loss: 0.1486, step time: 1.3857
Batch 45/248, train_loss: 0.4353, step time: 1.3846
Batch 46/248, train_loss: 0.1439, step time: 1.3663
Batch 47/248, train_loss: 0.0753, step time: 1.3856
Batch 48/248, train_loss: 0.1517, step time: 1.3585
Batch 49/248, train_loss: 0.3757, step time: 1.3604
Batch 50/248, train_loss: 0.1364, step time: 1.3772
Batch 51/248, train_loss: 0.1296, step time: 1.3781
Batch 52/248, train_loss: 0.1107, step time: 1.3754
Batch 53/248, train_loss: 0.3191, step time: 1.3927
Batch 54/248, train_loss: 0.2168, step time: 1.3672
Batch 55/248, train_loss: 0.2151, step time: 1.3623
Batch 56/248, train_loss: 0.1605, step time: 1.3916
Batch 57/248, train_loss: 0.2492, step time: 1.3751
Batch 58/248, train_loss: 0.0652, step time: 1.3871
Batch 59/248, train_loss: 0.0768, step time: 1.3836
Batch 60/248, train_loss: 0.0488, step time: 1.3590
Batch 61/248, train_loss: 0.0702, step time: 1.3810
Batch 62/248, train_loss: 0.2264, step time: 1.3726
Batch 63/248, train_loss: 0.4036, step time: 1.4020
Batch 64/248, train_loss: 0.3237, step time: 1.3685
Batch 65/248, train_loss: 0.2903, step time: 1.3638
Batch 66/248, train_loss: 0.1164, step time: 1.3896
Batch 67/248, train_loss: 0.0600, step time: 1.3690
Batch 68/248, train_loss: 0.0873, step time: 1.3851
Batch 69/248, train_loss: 0.3667, step time: 1.4170
Batch 70/248, train_loss: 0.1412, step time: 1.3895
Batch 71/248, train_loss: 0.2274, step time: 1.3848
```

Batch 72/248, train_loss: 0.0617, step time: 1.3714
Batch 73/248, train_loss: 0.1430, step time: 1.3737
Batch 74/248, train_loss: 0.4944, step time: 1.3785
Batch 75/248, train_loss: 0.1218, step time: 1.4046
Batch 76/248, train_loss: 0.5711, step time: 1.3920
Batch 77/248, train_loss: 0.7433, step time: 1.3581
Batch 78/248, train_loss: 0.1079, step time: 1.3610
Batch 79/248, train_loss: 0.1347, step time: 1.3909
Batch 80/248, train_loss: 0.1878, step time: 1.3967
Batch 81/248, train_loss: 0.1360, step time: 1.3951
Batch 82/248, train_loss: 0.0843, step time: 1.3866
Batch 83/248, train_loss: 0.4720, step time: 1.4032
Batch 84/248, train_loss: 0.2766, step time: 1.3645
Batch 85/248, train_loss: 0.3467, step time: 1.3730
Batch 86/248, train_loss: 0.3168, step time: 1.3748
Batch 87/248, train_loss: 0.8137, step time: 1.3752
Batch 88/248, train_loss: 0.2912, step time: 1.3951
Batch 89/248, train_loss: 0.0862, step time: 1.3920
Batch 90/248, train_loss: 0.1942, step time: 1.3774
Batch 91/248, train_loss: 0.2919, step time: 1.3627
Batch 92/248, train_loss: 0.6357, step time: 1.3780
Batch 93/248, train_loss: 0.1508, step time: 1.3815
Batch 94/248, train_loss: 0.2288, step time: 1.3756
Batch 95/248, train_loss: 0.1709, step time: 1.3927
Batch 96/248, train_loss: 0.1409, step time: 1.3741
Batch 97/248, train_loss: 0.4723, step time: 1.3649
Batch 98/248, train_loss: 0.0920, step time: 1.3746
Batch 99/248, train_loss: 0.2670, step time: 1.3635
Batch 100/248, train_loss: 0.2270, step time: 1.3736
Batch 101/248, train_loss: 0.0389, step time: 1.3702
Batch 102/248, train_loss: 0.0889, step time: 1.3927
Batch 103/248, train_loss: 0.2991, step time: 1.3965
Batch 104/248, train_loss: 0.2996, step time: 1.3774
Batch 105/248, train_loss: 0.0979, step time: 1.3977
Batch 106/248, train_loss: 0.1178, step time: 1.4012
Batch 107/248, train_loss: 0.2340, step time: 1.3663
Batch 108/248, train_loss: 0.5634, step time: 1.3824
Batch 109/248, train_loss: 0.9780, step time: 1.3632
Batch 110/248, train_loss: 0.3461, step time: 1.3961
Batch 111/248, train_loss: 0.0781, step time: 1.3768
Batch 112/248, train_loss: 0.1441, step time: 1.3912
Batch 113/248, train_loss: 0.4104, step time: 1.3809
Batch 114/248, train_loss: 0.1016, step time: 1.3566
Batch 115/248, train_loss: 0.1609, step time: 1.3593
Batch 116/248, train_loss: 0.0660, step time: 1.3600
Batch 117/248, train_loss: 0.7555, step time: 1.3800
Batch 118/248, train_loss: 0.2666, step time: 1.3921
Batch 119/248, train_loss: 0.2775, step time: 1.3745
Batch 120/248, train_loss: 0.2156, step time: 1.3533
Batch 121/248, train_loss: 0.2497, step time: 1.3638
Batch 122/248, train_loss: 0.4256, step time: 1.3873
Batch 123/248, train_loss: 0.0474, step time: 1.3852
Batch 124/248, train_loss: 0.2169, step time: 1.3961
Batch 125/248, train_loss: 0.4163, step time: 1.3980
Batch 126/248, train_loss: 0.3664, step time: 1.3926
Batch 127/248, train_loss: 0.0939, step time: 1.3651
Batch 128/248, train_loss: 0.1390, step time: 1.3811
Batch 129/248, train_loss: 0.0793, step time: 1.3664
Batch 130/248, train_loss: 0.1167, step time: 1.3756
Batch 131/248, train_loss: 0.4022, step time: 1.3662
Batch 132/248, train_loss: 0.1466, step time: 1.3713
Batch 133/248, train_loss: 0.1105, step time: 1.3710
Batch 134/248, train_loss: 0.9102, step time: 1.3996
Batch 135/248, train_loss: 0.2539, step time: 1.4030
Batch 136/248, train_loss: 0.1418, step time: 1.3747
Batch 137/248, train_loss: 0.1012, step time: 1.3705
Batch 138/248, train_loss: 0.0652, step time: 1.3594
Batch 139/248, train_loss: 0.1238, step time: 1.3828
Batch 140/248, train_loss: 0.1391, step time: 1.3749
Batch 141/248, train_loss: 0.1289, step time: 1.3706
Batch 142/248, train_loss: 0.5156, step time: 1.3934
Batch 143/248, train_loss: 0.1954, step time: 1.3785
Batch 144/248, train_loss: 0.1326, step time: 1.3705
Batch 145/248, train_loss: 0.0552, step time: 1.3745
Batch 146/248, train_loss: 0.2891, step time: 1.3669
Batch 147/248, train_loss: 0.0484, step time: 1.3876
Batch 148/248, train_loss: 0.4749, step time: 1.3736
Batch 149/248, train_loss: 0.1109, step time: 1.3752
Batch 150/248, train_loss: 0.4877, step time: 1.4007
Batch 151/248, train_loss: 0.2226, step time: 1.3868
Batch 152/248, train_loss: 0.0332, step time: 1.3524
Batch 153/248, train_loss: 0.2733, step time: 1.3827
Batch 154/248, train_loss: 0.5432, step time: 1.4003
Batch 155/248, train_loss: 0.0845, step time: 1.3739
Batch 156/248, train_loss: 0.1256, step time: 1.3958

Batch 157/248, train_loss: 0.2902, step time: 1.3868
Batch 158/248, train_loss: 0.9241, step time: 1.3864
Batch 159/248, train_loss: 0.3020, step time: 1.4012
Batch 160/248, train_loss: 0.0782, step time: 1.3652
Batch 161/248, train_loss: 0.1122, step time: 1.3927
Batch 162/248, train_loss: 0.0699, step time: 1.3899
Batch 163/248, train_loss: 0.1325, step time: 1.3728
Batch 164/248, train_loss: 0.2271, step time: 1.3969
Batch 165/248, train_loss: 0.4073, step time: 1.4043
Batch 166/248, train_loss: 0.0865, step time: 1.3639
Batch 167/248, train_loss: 0.1442, step time: 1.4005
Batch 168/248, train_loss: 0.1350, step time: 1.3684
Batch 169/248, train_loss: 0.0828, step time: 1.3796
Batch 170/248, train_loss: 0.4810, step time: 1.4021
Batch 171/248, train_loss: 0.0729, step time: 1.3573
Batch 172/248, train_loss: 0.3666, step time: 1.3881
Batch 173/248, train_loss: 0.0654, step time: 1.3584
Batch 174/248, train_loss: 0.6316, step time: 1.3945
Batch 175/248, train_loss: 0.0983, step time: 1.3711
Batch 176/248, train_loss: 0.3367, step time: 1.3639
Batch 177/248, train_loss: 0.2134, step time: 1.4067
Batch 178/248, train_loss: 0.2264, step time: 1.3875
Batch 179/248, train_loss: 0.0566, step time: 1.3674
Batch 180/248, train_loss: 0.3661, step time: 1.3579
Batch 181/248, train_loss: 0.0756, step time: 1.3822
Batch 182/248, train_loss: 0.5948, step time: 1.3754
Batch 183/248, train_loss: 0.0892, step time: 1.3640
Batch 184/248, train_loss: 0.1942, step time: 1.3555
Batch 185/248, train_loss: 0.0700, step time: 1.3738
Batch 186/248, train_loss: 0.0778, step time: 1.3895
Batch 187/248, train_loss: 0.1296, step time: 1.3589
Batch 188/248, train_loss: 0.2431, step time: 1.3785
Batch 189/248, train_loss: 0.5016, step time: 1.3788
Batch 190/248, train_loss: 0.1428, step time: 1.3819
Batch 191/248, train_loss: 0.6672, step time: 1.4041
Batch 192/248, train_loss: 0.2333, step time: 1.3985
Batch 193/248, train_loss: 0.2140, step time: 1.3904
Batch 194/248, train_loss: 0.0828, step time: 1.3903
Batch 195/248, train_loss: 0.5587, step time: 1.3679
Batch 196/248, train_loss: 0.6665, step time: 1.3894
Batch 197/248, train_loss: 0.1717, step time: 1.3922
Batch 198/248, train_loss: 0.4154, step time: 1.3739
Batch 199/248, train_loss: 0.1410, step time: 1.3915
Batch 200/248, train_loss: 0.1313, step time: 1.3616
Batch 201/248, train_loss: 0.1192, step time: 1.3563
Batch 202/248, train_loss: 0.4337, step time: 1.3827
Batch 203/248, train_loss: 0.3368, step time: 1.3945
Batch 204/248, train_loss: 0.1250, step time: 1.3727
Batch 205/248, train_loss: 0.2559, step time: 1.3632
Batch 206/248, train_loss: 0.2930, step time: 1.3885
Batch 207/248, train_loss: 0.0629, step time: 1.3670
Batch 208/248, train_loss: 0.4390, step time: 1.3860
Batch 209/248, train_loss: 0.1889, step time: 1.3782
Batch 210/248, train_loss: 0.0816, step time: 1.3863
Batch 211/248, train_loss: 0.0759, step time: 1.3686
Batch 212/248, train_loss: 0.2252, step time: 1.3828
Batch 213/248, train_loss: 0.1491, step time: 1.3831
Batch 214/248, train_loss: 0.0721, step time: 1.3839
Batch 215/248, train_loss: 0.2366, step time: 1.3797
Batch 216/248, train_loss: 0.2245, step time: 1.3750
Batch 217/248, train_loss: 0.2757, step time: 1.3964
Batch 218/248, train_loss: 0.8427, step time: 1.3763
Batch 219/248, train_loss: 0.0716, step time: 1.3996
Batch 220/248, train_loss: 0.2407, step time: 1.3986
Batch 221/248, train_loss: 0.2263, step time: 1.3906
Batch 222/248, train_loss: 0.3913, step time: 1.3834
Batch 223/248, train_loss: 0.0424, step time: 1.3729
Batch 224/248, train_loss: 0.1009, step time: 1.3840
Batch 225/248, train_loss: 0.2413, step time: 1.3765
Batch 226/248, train_loss: 0.1180, step time: 1.3836
Batch 227/248, train_loss: 0.0930, step time: 1.3611
Batch 228/248, train_loss: 0.3107, step time: 1.3999
Batch 229/248, train_loss: 0.0989, step time: 1.3632
Batch 230/248, train_loss: 0.0749, step time: 1.3801
Batch 231/248, train_loss: 0.4077, step time: 1.3942
Batch 232/248, train_loss: 0.0908, step time: 1.3973
Batch 233/248, train_loss: 0.9548, step time: 1.3800
Batch 234/248, train_loss: 0.4273, step time: 1.4020
Batch 235/248, train_loss: 0.2523, step time: 1.4045
Batch 236/248, train_loss: 0.7181, step time: 1.3660
Batch 237/248, train_loss: 0.1382, step time: 1.3608
Batch 238/248, train_loss: 0.1022, step time: 1.3658
Batch 239/248, train_loss: 0.0440, step time: 1.3592
Batch 240/248, train_loss: 0.2507, step time: 1.3726
Batch 241/248, train_loss: 0.7987, step time: 1.3886

```
Batch 212/248, train_loss: 0.1199, step time: 1.3500  
Batch 242/248, train_loss: 0.1471, step time: 1.3734  
Batch 243/248, train_loss: 0.4091, step time: 1.3777  
Batch 244/248, train_loss: 0.3717, step time: 1.3510  
Batch 245/248, train_loss: 0.0712, step time: 1.3516  
Batch 246/248, train_loss: 0.5365, step time: 1.3675  
Batch 247/248, train_loss: 0.1288, step time: 1.3915  
Batch 248/248, train_loss: 0.9997, step time: 1.3462
```

Labels



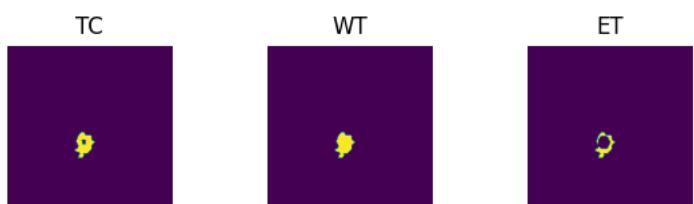
Predictions



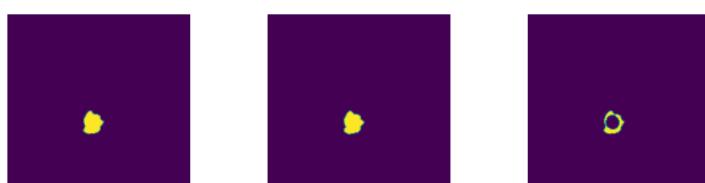
VAL

```
Batch 1/31, val_loss: 0.8359  
Batch 2/31, val_loss: 0.9891  
Batch 3/31, val_loss: 0.9611  
Batch 4/31, val_loss: 0.9343  
Batch 5/31, val_loss: 0.9911  
Batch 6/31, val_loss: 0.6845  
Batch 7/31, val_loss: 0.8213  
Batch 8/31, val_loss: 0.9384  
Batch 9/31, val_loss: 0.6854  
Batch 10/31, val_loss: 0.9079  
Batch 11/31, val_loss: 0.8182  
Batch 12/31, val_loss: 0.9779  
Batch 13/31, val_loss: 0.9788  
Batch 14/31, val_loss: 0.9558  
Batch 15/31, val_loss: 0.9851  
Batch 16/31, val_loss: 0.9701  
Batch 17/31, val_loss: 0.9688  
Batch 18/31, val_loss: 0.9358  
Batch 19/31, val_loss: 0.7353  
Batch 20/31, val_loss: 0.8527  
Batch 21/31, val_loss: 0.8715  
Batch 22/31, val_loss: 0.9614  
Batch 23/31, val_loss: 0.9705  
Batch 24/31, val_loss: 0.7321  
Batch 25/31, val_loss: 0.7965  
Batch 26/31, val_loss: 0.9196  
Batch 27/31, val_loss: 0.9766  
Batch 28/31, val_loss: 0.7382  
Batch 29/31, val_loss: 0.9815  
Batch 30/31, val_loss: 0.9633  
Batch 31/31, val_loss: 0.9743
```

Labels



Predictions



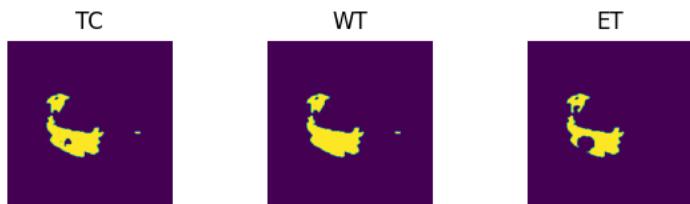
```
epoch 79
    average train loss: 0.2512
    average validation loss: 0.8972
    saved as best model: False
    current mean dice: 0.5971
    current TC dice: 0.6244
    current WT dice: 0.6321
    current ET dice: 0.5656
Best Mean Metric: 0.6427
time consuming of epoch 79 is: 1702.2328
-----
epoch 80/100
TRAIN
    Batch 1/248, train_loss: 0.1383, step time: 1.4477
    Batch 2/248, train_loss: 0.6691, step time: 1.3894
    Batch 3/248, train_loss: 0.2586, step time: 1.3904
    Batch 4/248, train_loss: 0.9153, step time: 1.3928
    Batch 5/248, train_loss: 0.2073, step time: 1.3754
    Batch 6/248, train_loss: 0.5548, step time: 1.3755
    Batch 7/248, train_loss: 0.0538, step time: 1.3858
    Batch 8/248, train_loss: 0.7178, step time: 1.3717
    Batch 9/248, train_loss: 0.0516, step time: 1.3935
    Batch 10/248, train_loss: 0.2089, step time: 1.3652
    Batch 11/248, train_loss: 0.3837, step time: 1.3864
    Batch 12/248, train_loss: 0.3133, step time: 1.3759
    Batch 13/248, train_loss: 0.2479, step time: 1.3991
    Batch 14/248, train_loss: 0.0460, step time: 1.3819
    Batch 15/248, train_loss: 0.2805, step time: 1.3658
    Batch 16/248, train_loss: 0.1584, step time: 1.3587
    Batch 17/248, train_loss: 0.2717, step time: 1.3921
    Batch 18/248, train_loss: 0.2831, step time: 1.3847
    Batch 19/248, train_loss: 0.1047, step time: 1.3560
    Batch 20/248, train_loss: 0.1598, step time: 1.3878
    Batch 21/248, train_loss: 0.0576, step time: 1.3929
    Batch 22/248, train_loss: 0.4154, step time: 1.3975
    Batch 23/248, train_loss: 0.3097, step time: 1.3864
    Batch 24/248, train_loss: 0.0897, step time: 1.3909
    Batch 25/248, train_loss: 0.0533, step time: 1.3885
    Batch 26/248, train_loss: 0.3818, step time: 1.3851
    Batch 27/248, train_loss: 0.0639, step time: 1.3665
    Batch 28/248, train_loss: 0.1489, step time: 1.4053
    Batch 29/248, train_loss: 0.2948, step time: 1.3764
    Batch 30/248, train_loss: 0.1825, step time: 1.3847
    Batch 31/248, train_loss: 0.2771, step time: 1.3974
    Batch 32/248, train_loss: 0.0637, step time: 1.3719
    Batch 33/248, train_loss: 0.0721, step time: 1.3602
    Batch 34/248, train_loss: 0.0394, step time: 1.3800
    Batch 35/248, train_loss: 0.0508, step time: 1.3944
    Batch 36/248, train_loss: 0.3945, step time: 1.3872
    Batch 37/248, train_loss: 0.1538, step time: 1.3670
    Batch 38/248, train_loss: 0.3064, step time: 1.3679
    Batch 39/248, train_loss: 0.1499, step time: 1.3560
    Batch 40/248, train_loss: 0.5475, step time: 1.3738
    Batch 41/248, train_loss: 0.2245, step time: 1.3787
    Batch 42/248, train_loss: 0.0649, step time: 1.3617
    Batch 43/248, train_loss: 0.0531, step time: 1.3825
    Batch 44/248, train_loss: 0.1532, step time: 1.3602
    Batch 45/248, train_loss: 0.7316, step time: 1.3777
    Batch 46/248, train_loss: 0.1545, step time: 1.3752
    Batch 47/248, train_loss: 0.0699, step time: 1.3907
    Batch 48/248, train_loss: 0.2186, step time: 1.3734
    Batch 49/248, train_loss: 0.3533, step time: 1.3884
    Batch 50/248, train_loss: 0.1234, step time: 1.3656
    Batch 51/248, train_loss: 0.1469, step time: 1.3886
    Batch 52/248, train_loss: 0.1063, step time: 1.3795
    Batch 53/248, train_loss: 0.3397, step time: 1.3661
    Batch 54/248, train_loss: 0.2178, step time: 1.3743
    Batch 55/248, train_loss: 0.2066, step time: 1.3657
    Batch 56/248, train_loss: 0.1622, step time: 1.3694
    Batch 57/248, train_loss: 0.2202, step time: 1.3683
    Batch 58/248, train_loss: 0.0643, step time: 1.3672
    Batch 59/248, train_loss: 0.0803, step time: 1.3702
    Batch 60/248, train_loss: 0.0539, step time: 1.3673
    Batch 61/248, train_loss: 0.1766, step time: 1.3932
    Batch 62/248, train_loss: 0.1895, step time: 1.3610
    Batch 63/248, train_loss: 0.3655, step time: 1.3564
    Batch 64/248, train_loss: 0.3340, step time: 1.3591
    Batch 65/248, train_loss: 0.2395, step time: 1.3679
    Batch 66/248, train_loss: 0.1019, step time: 1.3697
    Batch 67/248, train_loss: 0.0721, step time: 1.3880
    Batch 68/248, train_loss: 0.1069, step time: 1.3915
    Batch 69/248, train_loss: 0.4015, step time: 1.3866
    Batch 70/248, train_loss: 0.1411, step time: 1.3760
    Batch 71/248, train loss: 0.1405, step time: 1.3591
```

Batch 72/248, train_loss: 0.0702, step time: 1.3661
Batch 73/248, train_loss: 0.0829, step time: 1.3579
Batch 74/248, train_loss: 0.3900, step time: 1.3830
Batch 75/248, train_loss: 0.0934, step time: 1.3882
Batch 76/248, train_loss: 0.5514, step time: 1.4018
Batch 77/248, train_loss: 0.6771, step time: 1.3918
Batch 78/248, train_loss: 0.0796, step time: 1.3937
Batch 79/248, train_loss: 0.1461, step time: 1.3709
Batch 80/248, train_loss: 0.2194, step time: 1.3969
Batch 81/248, train_loss: 0.3107, step time: 1.4045
Batch 82/248, train_loss: 0.0811, step time: 1.3870
Batch 83/248, train_loss: 0.5289, step time: 1.3957
Batch 84/248, train_loss: 0.3528, step time: 1.3831
Batch 85/248, train_loss: 0.3619, step time: 1.3765
Batch 86/248, train_loss: 0.4177, step time: 1.3633
Batch 87/248, train_loss: 0.7168, step time: 1.4031
Batch 88/248, train_loss: 0.3517, step time: 1.3994
Batch 89/248, train_loss: 0.2044, step time: 1.3841
Batch 90/248, train_loss: 0.1751, step time: 1.3789
Batch 91/248, train_loss: 0.3427, step time: 1.4026
Batch 92/248, train_loss: 0.8218, step time: 1.4007
Batch 93/248, train_loss: 0.1579, step time: 1.3998
Batch 94/248, train_loss: 0.3281, step time: 1.3619
Batch 95/248, train_loss: 0.1375, step time: 1.3758
Batch 96/248, train_loss: 0.1233, step time: 1.3828
Batch 97/248, train_loss: 0.4935, step time: 1.3988
Batch 98/248, train_loss: 0.2294, step time: 1.3652
Batch 99/248, train_loss: 0.2893, step time: 1.3805
Batch 100/248, train_loss: 0.3186, step time: 1.3972
Batch 101/248, train_loss: 0.0426, step time: 1.3597
Batch 102/248, train_loss: 0.0887, step time: 1.3664
Batch 103/248, train_loss: 0.3236, step time: 1.3644
Batch 104/248, train_loss: 0.2424, step time: 1.3632
Batch 105/248, train_loss: 0.0753, step time: 1.3670
Batch 106/248, train_loss: 0.1315, step time: 1.3706
Batch 107/248, train_loss: 0.2477, step time: 1.3726
Batch 108/248, train_loss: 0.6518, step time: 1.3797
Batch 109/248, train_loss: 0.7128, step time: 1.4039
Batch 110/248, train_loss: 0.5068, step time: 1.3829
Batch 111/248, train_loss: 0.0874, step time: 1.3821
Batch 112/248, train_loss: 0.1187, step time: 1.3783
Batch 113/248, train_loss: 0.4909, step time: 1.4118
Batch 114/248, train_loss: 0.1443, step time: 1.3824
Batch 115/248, train_loss: 0.1103, step time: 1.3532
Batch 116/248, train_loss: 0.0770, step time: 1.3702
Batch 117/248, train_loss: 0.4616, step time: 1.3902
Batch 118/248, train_loss: 0.2148, step time: 1.3767
Batch 119/248, train_loss: 0.2908, step time: 1.3784
Batch 120/248, train_loss: 0.2289, step time: 1.3762
Batch 121/248, train_loss: 0.2584, step time: 1.3964
Batch 122/248, train_loss: 0.4040, step time: 1.3668
Batch 123/248, train_loss: 0.0490, step time: 1.3804
Batch 124/248, train_loss: 0.2404, step time: 1.3962
Batch 125/248, train_loss: 0.4550, step time: 1.3899
Batch 126/248, train_loss: 0.2423, step time: 1.3891
Batch 127/248, train_loss: 0.1388, step time: 1.3777
Batch 128/248, train_loss: 0.1370, step time: 1.3729
Batch 129/248, train_loss: 0.0777, step time: 1.3738
Batch 130/248, train_loss: 0.0684, step time: 1.3716
Batch 131/248, train_loss: 0.3725, step time: 1.3737
Batch 132/248, train_loss: 0.2177, step time: 1.3592
Batch 133/248, train_loss: 0.0746, step time: 1.3723
Batch 134/248, train_loss: 0.8173, step time: 1.4020
Batch 135/248, train_loss: 0.1896, step time: 1.4023
Batch 136/248, train_loss: 0.1229, step time: 1.3703
Batch 137/248, train_loss: 0.1039, step time: 1.3692
Batch 138/248, train_loss: 0.0666, step time: 1.3836
Batch 139/248, train_loss: 0.1259, step time: 1.3573
Batch 140/248, train_loss: 0.1552, step time: 1.3740
Batch 141/248, train_loss: 0.1315, step time: 1.3641
Batch 142/248, train_loss: 0.4850, step time: 1.3954
Batch 143/248, train_loss: 0.1830, step time: 1.3702
Batch 144/248, train_loss: 0.1286, step time: 1.3891
Batch 145/248, train_loss: 0.0593, step time: 1.3581
Batch 146/248, train_loss: 0.3564, step time: 1.3715
Batch 147/248, train_loss: 0.0403, step time: 1.3835
Batch 148/248, train_loss: 0.4675, step time: 1.3779
Batch 149/248, train_loss: 0.1309, step time: 1.4019
Batch 150/248, train_loss: 0.2858, step time: 1.4115
Batch 151/248, train_loss: 0.1897, step time: 1.3741
Batch 152/248, train_loss: 0.0348, step time: 1.3535
Batch 153/248, train_loss: 0.1884, step time: 1.3781
Batch 154/248, train_loss: 0.5017, step time: 1.3901
Batch 155/248, train_loss: 0.1053, step time: 1.3734
Batch 156/248, train_loss: 0.1220, step time: 1.3811

Batch 150/248, train_loss: 0.1220, step time: 1.3504
Batch 157/248, train_loss: 0.2864, step time: 1.3693
Batch 158/248, train_loss: 0.8271, step time: 1.3678
Batch 159/248, train_loss: 0.3347, step time: 1.3974
Batch 160/248, train_loss: 0.1061, step time: 1.3827
Batch 161/248, train_loss: 0.0779, step time: 1.3864
Batch 162/248, train_loss: 0.1231, step time: 1.3887
Batch 163/248, train_loss: 0.1206, step time: 1.3964
Batch 164/248, train_loss: 0.1777, step time: 1.3726
Batch 165/248, train_loss: 0.6342, step time: 1.3927
Batch 166/248, train_loss: 0.0923, step time: 1.3669
Batch 167/248, train_loss: 0.1560, step time: 1.3942
Batch 168/248, train_loss: 0.1415, step time: 1.4060
Batch 169/248, train_loss: 0.0745, step time: 1.3644
Batch 170/248, train_loss: 0.5294, step time: 1.3825
Batch 171/248, train_loss: 0.0771, step time: 1.3978
Batch 172/248, train_loss: 0.4358, step time: 1.3732
Batch 173/248, train_loss: 0.1756, step time: 1.3879
Batch 174/248, train_loss: 0.4977, step time: 1.3681
Batch 175/248, train_loss: 0.0804, step time: 1.3588
Batch 176/248, train_loss: 0.3371, step time: 1.3794
Batch 177/248, train_loss: 0.2549, step time: 1.4110
Batch 178/248, train_loss: 0.2650, step time: 1.4010
Batch 179/248, train_loss: 0.0657, step time: 1.3652
Batch 180/248, train_loss: 0.4305, step time: 1.3868
Batch 181/248, train_loss: 0.0816, step time: 1.3547
Batch 182/248, train_loss: 0.9210, step time: 1.3621
Batch 183/248, train_loss: 0.1004, step time: 1.3923
Batch 184/248, train_loss: 0.2241, step time: 1.4016
Batch 185/248, train_loss: 0.0922, step time: 1.3869
Batch 186/248, train_loss: 0.0950, step time: 1.3915
Batch 187/248, train_loss: 0.1691, step time: 1.3969
Batch 188/248, train_loss: 0.2131, step time: 1.3815
Batch 189/248, train_loss: 0.5209, step time: 1.3770
Batch 190/248, train_loss: 0.1245, step time: 1.3666
Batch 191/248, train_loss: 0.7133, step time: 1.3869
Batch 192/248, train_loss: 0.1977, step time: 1.3745
Batch 193/248, train_loss: 0.2154, step time: 1.3701
Batch 194/248, train_loss: 0.0868, step time: 1.3770
Batch 195/248, train_loss: 0.5712, step time: 1.3906
Batch 196/248, train_loss: 0.6537, step time: 1.3739
Batch 197/248, train_loss: 0.1771, step time: 1.3944
Batch 198/248, train_loss: 0.4490, step time: 1.3870
Batch 199/248, train_loss: 0.1666, step time: 1.3946
Batch 200/248, train_loss: 0.1353, step time: 1.3562
Batch 201/248, train_loss: 0.1056, step time: 1.3502
Batch 202/248, train_loss: 0.4223, step time: 1.3593
Batch 203/248, train_loss: 0.3314, step time: 1.3662
Batch 204/248, train_loss: 0.0883, step time: 1.3722
Batch 205/248, train_loss: 0.2474, step time: 1.3781
Batch 206/248, train_loss: 0.2711, step time: 1.3768
Batch 207/248, train_loss: 0.0858, step time: 1.3880
Batch 208/248, train_loss: 0.1575, step time: 1.3921
Batch 209/248, train_loss: 0.1372, step time: 1.3764
Batch 210/248, train_loss: 0.0631, step time: 1.4003
Batch 211/248, train_loss: 0.0629, step time: 1.3854
Batch 212/248, train_loss: 0.2568, step time: 1.3554
Batch 213/248, train_loss: 0.1372, step time: 1.3766
Batch 214/248, train_loss: 0.0664, step time: 1.3681
Batch 215/248, train_loss: 0.3082, step time: 1.3897
Batch 216/248, train_loss: 0.1792, step time: 1.3705
Batch 217/248, train_loss: 0.2495, step time: 1.3795
Batch 218/248, train_loss: 0.8497, step time: 1.3795
Batch 219/248, train_loss: 0.0736, step time: 1.3774
Batch 220/248, train_loss: 0.1843, step time: 1.3851
Batch 221/248, train_loss: 0.2477, step time: 1.3872
Batch 222/248, train_loss: 0.2130, step time: 1.3752
Batch 223/248, train_loss: 0.0409, step time: 1.3883
Batch 224/248, train_loss: 0.1057, step time: 1.3695
Batch 225/248, train_loss: 0.2088, step time: 1.3629
Batch 226/248, train_loss: 0.0976, step time: 1.3536
Batch 227/248, train_loss: 0.0846, step time: 1.3425
Batch 228/248, train_loss: 0.1404, step time: 1.3826
Batch 229/248, train_loss: 0.0761, step time: 1.3866
Batch 230/248, train_loss: 0.0618, step time: 1.3873
Batch 231/248, train_loss: 0.3001, step time: 1.3773
Batch 232/248, train_loss: 0.0689, step time: 1.3710
Batch 233/248, train_loss: 0.9326, step time: 1.3868
Batch 234/248, train_loss: 0.3805, step time: 1.3887
Batch 235/248, train_loss: 0.2203, step time: 1.3767
Batch 236/248, train_loss: 0.7438, step time: 1.3967
Batch 237/248, train_loss: 0.1173, step time: 1.3815
Batch 238/248, train_loss: 0.0958, step time: 1.3557
Batch 239/248, train_loss: 0.0447, step time: 1.3594
Batch 240/248, train_loss: 0.2732, step time: 1.3552
.....

```
Batch 241/248, train_loss: 0.9222, step time: 1.3711  
Batch 242/248, train_loss: 0.1297, step time: 1.3841  
Batch 243/248, train_loss: 0.4802, step time: 1.3556  
Batch 244/248, train_loss: 0.2883, step time: 1.3788  
Batch 245/248, train_loss: 0.0662, step time: 1.3851  
Batch 246/248, train_loss: 0.5224, step time: 1.3873  
Batch 247/248, train_loss: 0.0675, step time: 1.3916  
Batch 248/248, train_loss: 0.9999, step time: 1.3751
```

Labels



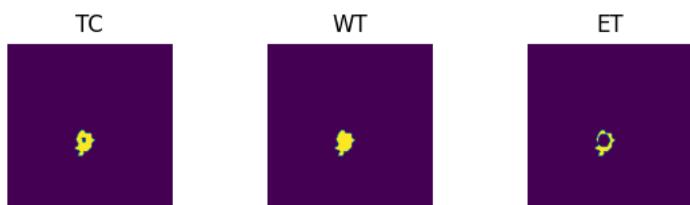
Predictions



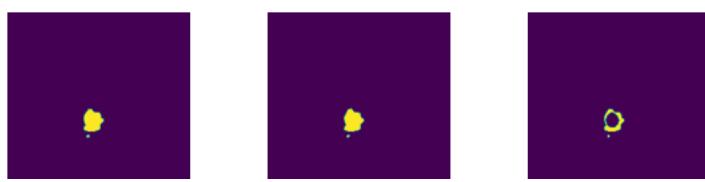
VAL

```
Batch 1/31, val_loss: 0.8305  
Batch 2/31, val_loss: 0.9885  
Batch 3/31, val_loss: 0.9613  
Batch 4/31, val_loss: 0.9350  
Batch 5/31, val_loss: 0.9923  
Batch 6/31, val_loss: 0.6805  
Batch 7/31, val_loss: 0.8193  
Batch 8/31, val_loss: 0.9263  
Batch 9/31, val_loss: 0.6849  
Batch 10/31, val_loss: 0.9108  
Batch 11/31, val_loss: 0.8145  
Batch 12/31, val_loss: 0.9752  
Batch 13/31, val_loss: 0.9937  
Batch 14/31, val_loss: 0.9498  
Batch 15/31, val_loss: 0.9848  
Batch 16/31, val_loss: 0.9710  
Batch 17/31, val_loss: 0.9598  
Batch 18/31, val_loss: 0.9248  
Batch 19/31, val_loss: 0.7313  
Batch 20/31, val_loss: 0.8387  
Batch 21/31, val_loss: 0.8655  
Batch 22/31, val_loss: 0.9548  
Batch 23/31, val_loss: 0.9679  
Batch 24/31, val_loss: 0.7310  
Batch 25/31, val_loss: 0.7977  
Batch 26/31, val_loss: 0.9207  
Batch 27/31, val_loss: 0.9716  
Batch 28/31, val_loss: 0.7469  
Batch 29/31, val_loss: 0.9827  
Batch 30/31, val_loss: 0.9589  
Batch 31/31, val_loss: 0.9727
```

Labels



Predictions



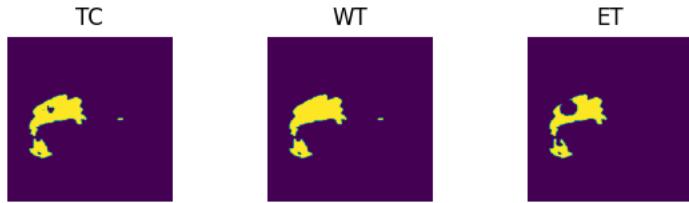
```
epoch 80
    average train loss: 0.2522
    average validation loss: 0.8949
    saved as best model: False
    current mean dice: 0.5978
    current TC dice: 0.6222
    current WT dice: 0.6280
    current ET dice: 0.5836
Best Mean Metric: 0.6427
time consuming of epoch 80 is: 1701.9804
-----
epoch 81/100
TRAIN
    Batch 1/248, train_loss: 0.0687, step time: 1.4326
    Batch 2/248, train_loss: 0.7994, step time: 1.3698
    Batch 3/248, train_loss: 0.2943, step time: 1.3651
    Batch 4/248, train_loss: 0.9373, step time: 1.3995
    Batch 5/248, train_loss: 0.2072, step time: 1.3679
    Batch 6/248, train_loss: 0.2328, step time: 1.3715
    Batch 7/248, train_loss: 0.0551, step time: 1.3754
    Batch 8/248, train_loss: 0.6915, step time: 1.3781
    Batch 9/248, train_loss: 0.0325, step time: 1.3760
    Batch 10/248, train_loss: 0.2439, step time: 1.3927
    Batch 11/248, train_loss: 0.1481, step time: 1.3676
    Batch 12/248, train_loss: 0.3270, step time: 1.3968
    Batch 13/248, train_loss: 0.2596, step time: 1.3664
    Batch 14/248, train_loss: 0.0539, step time: 1.3841
    Batch 15/248, train_loss: 0.3272, step time: 1.3872
    Batch 16/248, train_loss: 0.1853, step time: 1.3711
    Batch 17/248, train_loss: 0.2394, step time: 1.3819
    Batch 18/248, train_loss: 0.2540, step time: 1.3788
    Batch 19/248, train_loss: 0.1252, step time: 1.3626
    Batch 20/248, train_loss: 0.1867, step time: 1.3669
    Batch 21/248, train_loss: 0.0405, step time: 1.3734
    Batch 22/248, train_loss: 0.3228, step time: 1.3893
    Batch 23/248, train_loss: 0.4036, step time: 1.3836
    Batch 24/248, train_loss: 0.0748, step time: 1.3848
    Batch 25/248, train_loss: 0.0493, step time: 1.3702
    Batch 26/248, train_loss: 0.3560, step time: 1.3853
    Batch 27/248, train_loss: 0.0663, step time: 1.3895
    Batch 28/248, train_loss: 0.1518, step time: 1.3922
    Batch 29/248, train_loss: 0.3001, step time: 1.3771
    Batch 30/248, train_loss: 0.1871, step time: 1.3714
    Batch 31/248, train_loss: 0.2991, step time: 1.3707
    Batch 32/248, train_loss: 0.0589, step time: 1.3697
    Batch 33/248, train_loss: 0.0593, step time: 1.3682
    Batch 34/248, train_loss: 0.0399, step time: 1.3570
    Batch 35/248, train_loss: 0.0538, step time: 1.3723
    Batch 36/248, train_loss: 0.4226, step time: 1.3676
    Batch 37/248, train_loss: 0.1316, step time: 1.3848
    Batch 38/248, train_loss: 0.2937, step time: 1.3701
    Batch 39/248, train_loss: 0.1907, step time: 1.3881
    Batch 40/248, train_loss: 0.5633, step time: 1.3791
    Batch 41/248, train_loss: 0.2016, step time: 1.3771
    Batch 42/248, train_loss: 0.0725, step time: 1.3855
    Batch 43/248, train_loss: 0.0326, step time: 1.3602
    Batch 44/248, train_loss: 0.1077, step time: 1.3635
    Batch 45/248, train_loss: 0.4744, step time: 1.3732
    Batch 46/248, train_loss: 0.1488, step time: 1.3847
    Batch 47/248, train_loss: 0.0704, step time: 1.3733
    Batch 48/248, train_loss: 0.1754, step time: 1.3685
    Batch 49/248, train_loss: 0.3660, step time: 1.3750
    Batch 50/248, train_loss: 0.1230, step time: 1.3953
    Batch 51/248, train_loss: 0.1140, step time: 1.3857
    Batch 52/248, train_loss: 0.0949, step time: 1.3869
    Batch 53/248, train_loss: 0.3464, step time: 1.3821
    Batch 54/248, train_loss: 0.2157, step time: 1.3701
    Batch 55/248, train_loss: 0.2142, step time: 1.3773
    Batch 56/248, train_loss: 0.1515, step time: 1.3798
    Batch 57/248, train_loss: 0.2096, step time: 1.3837
    Batch 58/248, train_loss: 0.0648, step time: 1.3571
    Batch 59/248, train_loss: 0.0797, step time: 1.3866
    Batch 60/248, train_loss: 0.0512, step time: 1.3623
    Batch 61/248, train_loss: 0.0698, step time: 1.3783
    Batch 62/248, train_loss: 0.2555, step time: 1.3740
    Batch 63/248, train_loss: 0.3358, step time: 1.3826
    Batch 64/248, train_loss: 0.3622, step time: 1.3692
    Batch 65/248, train_loss: 0.4133, step time: 1.3768
    Batch 66/248, train_loss: 0.1186, step time: 1.3668
    Batch 67/248, train_loss: 0.0613, step time: 1.3610
    Batch 68/248, train_loss: 0.0763, step time: 1.3670
    Batch 69/248, train_loss: 0.4759, step time: 1.4050
    Batch 70/248, train_loss: 0.1603, step time: 1.3576
    Total 71/248 train loss: 0.1142 step time: 1.3820
```

Batch 1/248, train_loss: 0.1142, step time: 1.3929
Batch 2/248, train_loss: 0.0454, step time: 1.3468
Batch 3/248, train_loss: 0.4157, step time: 1.3644
Batch 4/248, train_loss: 0.3012, step time: 1.3715
Batch 5/248, train_loss: 0.0943, step time: 1.3611
Batch 6/248, train_loss: 0.4448, step time: 1.3770
Batch 7/248, train_loss: 0.7694, step time: 1.3877
Batch 8/248, train_loss: 0.0989, step time: 1.3745
Batch 9/248, train_loss: 0.1237, step time: 1.3994
Batch 10/248, train_loss: 0.1929, step time: 1.3747
Batch 11/248, train_loss: 0.1643, step time: 1.3933
Batch 12/248, train_loss: 0.0821, step time: 1.3695
Batch 13/248, train_loss: 0.4933, step time: 1.3934
Batch 14/248, train_loss: 0.1847, step time: 1.4007
Batch 15/248, train_loss: 0.3467, step time: 1.3736
Batch 16/248, train_loss: 0.2927, step time: 1.3694
Batch 17/248, train_loss: 0.5404, step time: 1.3962
Batch 18/248, train_loss: 0.2905, step time: 1.3751
Batch 19/248, train_loss: 0.0745, step time: 1.3940
Batch 20/248, train_loss: 0.1976, step time: 1.3708
Batch 21/248, train_loss: 0.3072, step time: 1.4027
Batch 22/248, train_loss: 0.7661, step time: 1.3721
Batch 23/248, train_loss: 0.1504, step time: 1.3938
Batch 24/248, train_loss: 0.2022, step time: 1.3894
Batch 25/248, train_loss: 0.1545, step time: 1.3655
Batch 26/248, train_loss: 0.1011, step time: 1.3529
Batch 27/248, train_loss: 0.4935, step time: 1.3980
Batch 28/248, train_loss: 0.1320, step time: 1.3911
Batch 29/248, train_loss: 0.2572, step time: 1.3662
Batch 30/248, train_loss: 0.1984, step time: 1.3676
Batch 31/248, train_loss: 0.0411, step time: 1.3725
Batch 32/248, train_loss: 0.0836, step time: 1.3945
Batch 33/248, train_loss: 0.2852, step time: 1.4048
Batch 34/248, train_loss: 0.2402, step time: 1.3617
Batch 35/248, train_loss: 0.0712, step time: 1.3609
Batch 36/248, train_loss: 0.1160, step time: 1.3677
Batch 37/248, train_loss: 0.2932, step time: 1.3622
Batch 38/248, train_loss: 0.5804, step time: 1.4036
Batch 39/248, train_loss: 0.9944, step time: 1.3974
Batch 40/248, train_loss: 0.3867, step time: 1.3786
Batch 41/248, train_loss: 0.0841, step time: 1.3513
Batch 42/248, train_loss: 0.1336, step time: 1.4033
Batch 43/248, train_loss: 0.4995, step time: 1.3758
Batch 44/248, train_loss: 0.0981, step time: 1.3548
Batch 45/248, train_loss: 0.1166, step time: 1.3754
Batch 46/248, train_loss: 0.0925, step time: 1.3864
Batch 47/248, train_loss: 0.4762, step time: 1.3944
Batch 48/248, train_loss: 0.1413, step time: 1.3870
Batch 49/248, train_loss: 0.2568, step time: 1.3823
Batch 50/248, train_loss: 0.2274, step time: 1.3500
Batch 51/248, train_loss: 0.2710, step time: 1.3613
Batch 52/248, train_loss: 0.3953, step time: 1.3800
Batch 53/248, train_loss: 0.0628, step time: 1.3903
Batch 54/248, train_loss: 0.2301, step time: 1.3675
Batch 55/248, train_loss: 0.4405, step time: 1.3774
Batch 56/248, train_loss: 0.3843, step time: 1.3919
Batch 57/248, train_loss: 0.0939, step time: 1.3851
Batch 58/248, train_loss: 0.1428, step time: 1.3800
Batch 59/248, train_loss: 0.0798, step time: 1.3649
Batch 60/248, train_loss: 0.0834, step time: 1.3891
Batch 61/248, train_loss: 0.5736, step time: 1.4085
Batch 62/248, train_loss: 0.2140, step time: 1.3756
Batch 63/248, train_loss: 0.1033, step time: 1.4000
Batch 64/248, train_loss: 0.9040, step time: 1.3733
Batch 65/248, train_loss: 0.2475, step time: 1.3998
Batch 66/248, train_loss: 0.1041, step time: 1.3831
Batch 67/248, train_loss: 0.1014, step time: 1.3743
Batch 68/248, train_loss: 0.0783, step time: 1.3875
Batch 69/248, train_loss: 0.1427, step time: 1.3904
Batch 70/248, train_loss: 0.1416, step time: 1.3858
Batch 71/248, train_loss: 0.1200, step time: 1.3791
Batch 72/248, train_loss: 0.5114, step time: 1.3712
Batch 73/248, train_loss: 0.2103, step time: 1.3887
Batch 74/248, train_loss: 0.1306, step time: 1.3935
Batch 75/248, train_loss: 0.0670, step time: 1.3462
Batch 76/248, train_loss: 0.3189, step time: 1.3554
Batch 77/248, train_loss: 0.0596, step time: 1.3801
Batch 78/248, train_loss: 0.5143, step time: 1.3898
Batch 79/248, train_loss: 0.1234, step time: 1.3744
Batch 80/248, train_loss: 0.3119, step time: 1.3815
Batch 81/248, train_loss: 0.2340, step time: 1.3707
Batch 82/248, train_loss: 0.0351, step time: 1.3674
Batch 83/248, train_loss: 0.1979, step time: 1.3681
Batch 84/248, train_loss: 0.5080, step time: 1.3649
Batch 85/248, train_loss: 0.0917, step time: 1.3797

Batch 156/248, train_loss: 0.1262, step time: 1.3637
Batch 157/248, train_loss: 0.2662, step time: 1.3955
Batch 158/248, train_loss: 0.8902, step time: 1.3738
Batch 159/248, train_loss: 0.2764, step time: 1.3762
Batch 160/248, train_loss: 0.0852, step time: 1.3839
Batch 161/248, train_loss: 0.0648, step time: 1.3934
Batch 162/248, train_loss: 0.0663, step time: 1.3732
Batch 163/248, train_loss: 0.1063, step time: 1.3903
Batch 164/248, train_loss: 0.2797, step time: 1.3681
Batch 165/248, train_loss: 0.5675, step time: 1.3744
Batch 166/248, train_loss: 0.0733, step time: 1.3758
Batch 167/248, train_loss: 0.1486, step time: 1.3730
Batch 168/248, train_loss: 0.1390, step time: 1.3589
Batch 169/248, train_loss: 0.1010, step time: 1.3826
Batch 170/248, train_loss: 0.4724, step time: 1.3784
Batch 171/248, train_loss: 0.0830, step time: 1.3870
Batch 172/248, train_loss: 0.3211, step time: 1.3924
Batch 173/248, train_loss: 0.0721, step time: 1.3653
Batch 174/248, train_loss: 0.7873, step time: 1.3714
Batch 175/248, train_loss: 0.0859, step time: 1.3812
Batch 176/248, train_loss: 0.3126, step time: 1.3779
Batch 177/248, train_loss: 0.1707, step time: 1.3814
Batch 178/248, train_loss: 0.2295, step time: 1.3888
Batch 179/248, train_loss: 0.0632, step time: 1.3737
Batch 180/248, train_loss: 0.3498, step time: 1.4026
Batch 181/248, train_loss: 0.0712, step time: 1.3760
Batch 182/248, train_loss: 0.4370, step time: 1.4026
Batch 183/248, train_loss: 0.1279, step time: 1.3730
Batch 184/248, train_loss: 0.1895, step time: 1.3638
Batch 185/248, train_loss: 0.0768, step time: 1.3575
Batch 186/248, train_loss: 0.0789, step time: 1.3871
Batch 187/248, train_loss: 0.1512, step time: 1.3771
Batch 188/248, train_loss: 0.2521, step time: 1.3769
Batch 189/248, train_loss: 0.4885, step time: 1.3964
Batch 190/248, train_loss: 0.1514, step time: 1.3536
Batch 191/248, train_loss: 0.6269, step time: 1.3772
Batch 192/248, train_loss: 0.2608, step time: 1.3902
Batch 193/248, train_loss: 0.2159, step time: 1.3772
Batch 194/248, train_loss: 0.0777, step time: 1.3946
Batch 195/248, train_loss: 0.5589, step time: 1.3840
Batch 196/248, train_loss: 0.5786, step time: 1.3753
Batch 197/248, train_loss: 0.1617, step time: 1.3619
Batch 198/248, train_loss: 0.4342, step time: 1.3844
Batch 199/248, train_loss: 0.1377, step time: 1.3702
Batch 200/248, train_loss: 0.1281, step time: 1.3637
Batch 201/248, train_loss: 0.1370, step time: 1.3618
Batch 202/248, train_loss: 0.4536, step time: 1.3900
Batch 203/248, train_loss: 0.3070, step time: 1.3692
Batch 204/248, train_loss: 0.1086, step time: 1.3593
Batch 205/248, train_loss: 0.2272, step time: 1.3854
Batch 206/248, train_loss: 0.4837, step time: 1.3726
Batch 207/248, train_loss: 0.0587, step time: 1.3588
Batch 208/248, train_loss: 0.1364, step time: 1.3765
Batch 209/248, train_loss: 0.1117, step time: 1.3618
Batch 210/248, train_loss: 0.0619, step time: 1.3626
Batch 211/248, train_loss: 0.0657, step time: 1.3936
Batch 212/248, train_loss: 0.2232, step time: 1.3624
Batch 213/248, train_loss: 0.1557, step time: 1.3575
Batch 214/248, train_loss: 0.0678, step time: 1.3610
Batch 215/248, train_loss: 0.3691, step time: 1.4051
Batch 216/248, train_loss: 0.1741, step time: 1.3850
Batch 217/248, train_loss: 0.2440, step time: 1.3627
Batch 218/248, train_loss: 0.7158, step time: 1.3899
Batch 219/248, train_loss: 0.0693, step time: 1.3653
Batch 220/248, train_loss: 0.2042, step time: 1.3672
Batch 221/248, train_loss: 0.2553, step time: 1.3799
Batch 222/248, train_loss: 0.1975, step time: 1.3947
Batch 223/248, train_loss: 0.0442, step time: 1.3831
Batch 224/248, train_loss: 0.0793, step time: 1.3586
Batch 225/248, train_loss: 0.1989, step time: 1.3901
Batch 226/248, train_loss: 0.1000, step time: 1.3803
Batch 227/248, train_loss: 0.0955, step time: 1.3773
Batch 228/248, train_loss: 0.1525, step time: 1.3834
Batch 229/248, train_loss: 0.0785, step time: 1.3713
Batch 230/248, train_loss: 0.0620, step time: 1.3821
Batch 231/248, train_loss: 0.4935, step time: 1.3863
Batch 232/248, train_loss: 0.0773, step time: 1.3857
Batch 233/248, train_loss: 0.8285, step time: 1.3691
Batch 234/248, train_loss: 0.3875, step time: 1.3557
Batch 235/248, train_loss: 0.1996, step time: 1.3677
Batch 236/248, train_loss: 0.7154, step time: 1.3962
Batch 237/248, train_loss: 0.1118, step time: 1.3602
Batch 238/248, train_loss: 0.0811, step time: 1.3852
Batch 239/248, train_loss: 0.0752, step time: 1.3610
Batch 240/248, train_loss: 0.3038, step time: 1.3722

```
Batch 241/248, train_loss: 0.4367, step time: 1.3741  
Batch 242/248, train_loss: 0.1254, step time: 1.3567  
Batch 243/248, train_loss: 0.3872, step time: 1.3687  
Batch 244/248, train_loss: 0.3524, step time: 1.4057  
Batch 245/248, train_loss: 0.0691, step time: 1.3756  
Batch 246/248, train_loss: 0.5258, step time: 1.3632  
Batch 247/248, train_loss: 0.0689, step time: 1.3761  
Batch 248/248, train_loss: 0.9999, step time: 1.3740
```

Labels



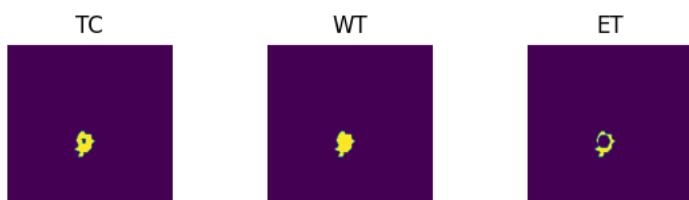
Predictions



VAL

```
Batch 1/31, val_loss: 0.8338  
Batch 2/31, val_loss: 0.9891  
Batch 3/31, val_loss: 0.9593  
Batch 4/31, val_loss: 0.9410  
Batch 5/31, val_loss: 0.9904  
Batch 6/31, val_loss: 0.6836  
Batch 7/31, val_loss: 0.8147  
Batch 8/31, val_loss: 0.9350  
Batch 9/31, val_loss: 0.6860  
Batch 10/31, val_loss: 0.9066  
Batch 11/31, val_loss: 0.8146  
Batch 12/31, val_loss: 0.9705  
Batch 13/31, val_loss: 0.9934  
Batch 14/31, val_loss: 0.9344  
Batch 15/31, val_loss: 0.9844  
Batch 16/31, val_loss: 0.9706  
Batch 17/31, val_loss: 0.9585  
Batch 18/31, val_loss: 0.9276  
Batch 19/31, val_loss: 0.7325  
Batch 20/31, val_loss: 0.8470  
Batch 21/31, val_loss: 0.8696  
Batch 22/31, val_loss: 0.9547  
Batch 23/31, val_loss: 0.9675  
Batch 24/31, val_loss: 0.7320  
Batch 25/31, val_loss: 0.7983  
Batch 26/31, val_loss: 0.9225  
Batch 27/31, val_loss: 0.9765  
Batch 28/31, val_loss: 0.7419  
Batch 29/31, val_loss: 0.9820  
Batch 30/31, val_loss: 0.9638  
Batch 31/31, val_loss: 0.9723
```

Labels



Predictions



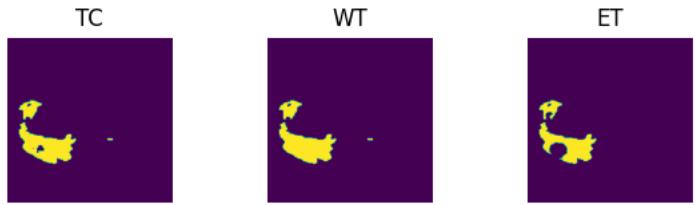
```
epoch 81
    average train loss: 0.2422
    average validation loss: 0.8953
    saved as best model: False
    current mean dice: 0.6265
    current TC dice: 0.6561
    current WT dice: 0.6635
    current ET dice: 0.6011
Best Mean Metric: 0.6427
time consuming of epoch 81 is: 1686.3118
-----
epoch 82/100
TRAIN
    Batch 1/248, train_loss: 0.0904, step time: 1.4354
    Batch 2/248, train_loss: 0.7062, step time: 1.4029
    Batch 3/248, train_loss: 0.2727, step time: 1.3522
    Batch 4/248, train_loss: 0.8725, step time: 1.3855
    Batch 5/248, train_loss: 0.2023, step time: 1.3919
    Batch 6/248, train_loss: 0.1754, step time: 1.3743
    Batch 7/248, train_loss: 0.0725, step time: 1.3969
    Batch 8/248, train_loss: 0.6873, step time: 1.3760
    Batch 9/248, train_loss: 0.0393, step time: 1.3751
    Batch 10/248, train_loss: 0.2225, step time: 1.3681
    Batch 11/248, train_loss: 0.1407, step time: 1.3691
    Batch 12/248, train_loss: 0.3042, step time: 1.3930
    Batch 13/248, train_loss: 0.2764, step time: 1.3873
    Batch 14/248, train_loss: 0.0630, step time: 1.3881
    Batch 15/248, train_loss: 0.2833, step time: 1.3694
    Batch 16/248, train_loss: 0.1359, step time: 1.3826
    Batch 17/248, train_loss: 0.2357, step time: 1.3763
    Batch 18/248, train_loss: 0.2549, step time: 1.3625
    Batch 19/248, train_loss: 0.1114, step time: 1.3763
    Batch 20/248, train_loss: 0.0869, step time: 1.3869
    Batch 21/248, train_loss: 0.0423, step time: 1.3759
    Batch 22/248, train_loss: 0.3972, step time: 1.3970
    Batch 23/248, train_loss: 0.4539, step time: 1.3715
    Batch 24/248, train_loss: 0.0725, step time: 1.3717
    Batch 25/248, train_loss: 0.0504, step time: 1.3938
    Batch 26/248, train_loss: 0.3711, step time: 1.3722
    Batch 27/248, train_loss: 0.0609, step time: 1.3959
    Batch 28/248, train_loss: 0.1586, step time: 1.3926
    Batch 29/248, train_loss: 0.3832, step time: 1.3724
    Batch 30/248, train_loss: 0.4294, step time: 1.3696
    Batch 31/248, train_loss: 0.3014, step time: 1.3627
    Batch 32/248, train_loss: 0.0692, step time: 1.3595
    Batch 33/248, train_loss: 0.1123, step time: 1.3609
    Batch 34/248, train_loss: 0.0424, step time: 1.3783
    Batch 35/248, train_loss: 0.0646, step time: 1.3586
    Batch 36/248, train_loss: 0.6333, step time: 1.3719
    Batch 37/248, train_loss: 0.1265, step time: 1.3777
    Batch 38/248, train_loss: 0.2560, step time: 1.3675
    Batch 39/248, train_loss: 0.1656, step time: 1.4074
    Batch 40/248, train_loss: 0.7887, step time: 1.3956
    Batch 41/248, train_loss: 0.1914, step time: 1.3950
    Batch 42/248, train_loss: 0.0614, step time: 1.3658
    Batch 43/248, train_loss: 0.0627, step time: 1.3932
    Batch 44/248, train_loss: 0.1316, step time: 1.3876
    Batch 45/248, train_loss: 0.6325, step time: 1.3945
    Batch 46/248, train_loss: 0.1778, step time: 1.3728
    Batch 47/248, train_loss: 0.0783, step time: 1.3800
    Batch 48/248, train_loss: 0.1775, step time: 1.3655
    Batch 49/248, train_loss: 0.3974, step time: 1.3957
    Batch 50/248, train_loss: 0.1805, step time: 1.3780
    Batch 51/248, train_loss: 0.2086, step time: 1.3728
    Batch 52/248, train_loss: 0.1011, step time: 1.3774
    Batch 53/248, train_loss: 0.3343, step time: 1.3941
    Batch 54/248, train_loss: 0.2472, step time: 1.3981
    Batch 55/248, train_loss: 0.1997, step time: 1.3914
    Batch 56/248, train_loss: 0.1460, step time: 1.3749
    Batch 57/248, train_loss: 0.2033, step time: 1.3751
    Batch 58/248, train_loss: 0.0578, step time: 1.3611
    Batch 59/248, train_loss: 0.0749, step time: 1.3496
    Batch 60/248, train_loss: 0.0650, step time: 1.3809
    Batch 61/248, train_loss: 0.0734, step time: 1.3779
    Batch 62/248, train_loss: 0.2159, step time: 1.3684
    Batch 63/248, train_loss: 0.3671, step time: 1.4031
    Batch 64/248, train_loss: 0.3611, step time: 1.3890
    Batch 65/248, train_loss: 0.3030, step time: 1.3799
    Batch 66/248, train_loss: 0.1230, step time: 1.3934
    Batch 67/248, train_loss: 0.0765, step time: 1.3574
    Batch 68/248, train_loss: 0.0965, step time: 1.3924
    Batch 69/248, train_loss: 0.4466, step time: 1.3732
    Batch 70/248, train_loss: 0.1637, step time: 1.3722
```

Batch 71/248, train_loss: 0.1320, step time: 1.3993
Batch 72/248, train_loss: 0.0485, step time: 1.3848
Batch 73/248, train_loss: 0.1159, step time: 1.3854
Batch 74/248, train_loss: 0.6578, step time: 1.3724
Batch 75/248, train_loss: 0.0958, step time: 1.3931
Batch 76/248, train_loss: 0.5055, step time: 1.3734
Batch 77/248, train_loss: 0.6662, step time: 1.3585
Batch 78/248, train_loss: 0.0995, step time: 1.3831
Batch 79/248, train_loss: 0.1022, step time: 1.3895
Batch 80/248, train_loss: 0.1743, step time: 1.3821
Batch 81/248, train_loss: 0.1320, step time: 1.3977
Batch 82/248, train_loss: 0.0946, step time: 1.3722
Batch 83/248, train_loss: 0.4950, step time: 1.3872
Batch 84/248, train_loss: 0.1709, step time: 1.3803
Batch 85/248, train_loss: 0.3225, step time: 1.4006
Batch 86/248, train_loss: 0.2071, step time: 1.3909
Batch 87/248, train_loss: 0.7422, step time: 1.4029
Batch 88/248, train_loss: 0.3291, step time: 1.3927
Batch 89/248, train_loss: 0.0619, step time: 1.3749
Batch 90/248, train_loss: 0.1877, step time: 1.3843
Batch 91/248, train_loss: 0.3334, step time: 1.3669
Batch 92/248, train_loss: 0.8330, step time: 1.3927
Batch 93/248, train_loss: 0.1359, step time: 1.3670
Batch 94/248, train_loss: 0.2044, step time: 1.3587
Batch 95/248, train_loss: 0.1553, step time: 1.3822
Batch 96/248, train_loss: 0.1195, step time: 1.3723
Batch 97/248, train_loss: 0.5022, step time: 1.3818
Batch 98/248, train_loss: 0.0966, step time: 1.3893
Batch 99/248, train_loss: 0.2662, step time: 1.4048
Batch 100/248, train_loss: 0.2692, step time: 1.3882
Batch 101/248, train_loss: 0.0397, step time: 1.3561
Batch 102/248, train_loss: 0.0866, step time: 1.3820
Batch 103/248, train_loss: 0.3403, step time: 1.3789
Batch 104/248, train_loss: 0.2472, step time: 1.3816
Batch 105/248, train_loss: 0.0807, step time: 1.3648
Batch 106/248, train_loss: 0.1018, step time: 1.3826
Batch 107/248, train_loss: 0.2576, step time: 1.3833
Batch 108/248, train_loss: 0.5420, step time: 1.3816
Batch 109/248, train_loss: 0.9132, step time: 1.3664
Batch 110/248, train_loss: 0.2750, step time: 1.3761
Batch 111/248, train_loss: 0.0748, step time: 1.3620
Batch 112/248, train_loss: 0.1763, step time: 1.3906
Batch 113/248, train_loss: 0.5131, step time: 1.3936
Batch 114/248, train_loss: 0.1068, step time: 1.3640
Batch 115/248, train_loss: 0.1142, step time: 1.3904
Batch 116/248, train_loss: 0.0570, step time: 1.3857
Batch 117/248, train_loss: 0.5012, step time: 1.3963
Batch 118/248, train_loss: 0.1285, step time: 1.3907
Batch 119/248, train_loss: 0.2588, step time: 1.3759
Batch 120/248, train_loss: 0.2390, step time: 1.3781
Batch 121/248, train_loss: 0.2359, step time: 1.3853
Batch 122/248, train_loss: 0.4141, step time: 1.3940
Batch 123/248, train_loss: 0.0437, step time: 1.3634
Batch 124/248, train_loss: 0.2284, step time: 1.3668
Batch 125/248, train_loss: 0.5057, step time: 1.3674
Batch 126/248, train_loss: 0.2704, step time: 1.3698
Batch 127/248, train_loss: 0.0962, step time: 1.3572
Batch 128/248, train_loss: 0.1175, step time: 1.3827
Batch 129/248, train_loss: 0.0989, step time: 1.3694
Batch 130/248, train_loss: 0.1103, step time: 1.3859
Batch 131/248, train_loss: 0.3677, step time: 1.3563
Batch 132/248, train_loss: 0.2157, step time: 1.3895
Batch 133/248, train_loss: 0.2494, step time: 1.3950
Batch 134/248, train_loss: 0.8848, step time: 1.3783
Batch 135/248, train_loss: 0.1898, step time: 1.3877
Batch 136/248, train_loss: 0.0909, step time: 1.3760
Batch 137/248, train_loss: 0.1247, step time: 1.3945
Batch 138/248, train_loss: 0.0559, step time: 1.3885
Batch 139/248, train_loss: 0.1509, step time: 1.3719
Batch 140/248, train_loss: 0.2560, step time: 1.3969
Batch 141/248, train_loss: 0.1286, step time: 1.3897
Batch 142/248, train_loss: 0.5196, step time: 1.3633
Batch 143/248, train_loss: 0.2049, step time: 1.3896
Batch 144/248, train_loss: 0.1222, step time: 1.3992
Batch 145/248, train_loss: 0.0758, step time: 1.3693
Batch 146/248, train_loss: 0.2802, step time: 1.3767
Batch 147/248, train_loss: 0.0401, step time: 1.3905
Batch 148/248, train_loss: 0.4815, step time: 1.3863
Batch 149/248, train_loss: 0.1196, step time: 1.3845
Batch 150/248, train_loss: 0.4659, step time: 1.3856
Batch 151/248, train_loss: 0.2124, step time: 1.3946
Batch 152/248, train_loss: 0.0403, step time: 1.3874
Batch 153/248, train_loss: 0.1726, step time: 1.3812
Batch 154/248, train_loss: 0.5215, step time: 1.3874
Batch 155/248, train_loss: 0.1107, step time: 1.3744

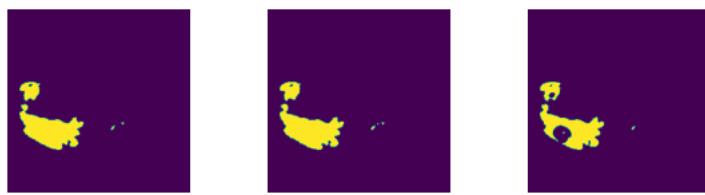
Batch 156/248, train_loss: 0.1327, step time: 1.3936
Batch 157/248, train_loss: 0.2761, step time: 1.3656
Batch 158/248, train_loss: 0.8321, step time: 1.3798
Batch 159/248, train_loss: 0.3273, step time: 1.3913
Batch 160/248, train_loss: 0.0807, step time: 1.3899
Batch 161/248, train_loss: 0.1394, step time: 1.3923
Batch 162/248, train_loss: 0.0647, step time: 1.3730
Batch 163/248, train_loss: 0.1712, step time: 1.3739
Batch 164/248, train_loss: 0.2222, step time: 1.4101
Batch 165/248, train_loss: 0.4197, step time: 1.3758
Batch 166/248, train_loss: 0.0834, step time: 1.3819
Batch 167/248, train_loss: 0.1414, step time: 1.3860
Batch 168/248, train_loss: 0.1294, step time: 1.3808
Batch 169/248, train_loss: 0.1026, step time: 1.3989
Batch 170/248, train_loss: 0.4735, step time: 1.3993
Batch 171/248, train_loss: 0.0797, step time: 1.3906
Batch 172/248, train_loss: 0.2698, step time: 1.3771
Batch 173/248, train_loss: 0.1219, step time: 1.3686
Batch 174/248, train_loss: 0.6852, step time: 1.3854
Batch 175/248, train_loss: 0.2428, step time: 1.3659
Batch 176/248, train_loss: 0.3464, step time: 1.3633
Batch 177/248, train_loss: 0.2004, step time: 1.3779
Batch 178/248, train_loss: 0.1779, step time: 1.4036
Batch 179/248, train_loss: 0.0581, step time: 1.3896
Batch 180/248, train_loss: 0.3322, step time: 1.4029
Batch 181/248, train_loss: 0.0717, step time: 1.3998
Batch 182/248, train_loss: 0.8940, step time: 1.3754
Batch 183/248, train_loss: 0.1543, step time: 1.3762
Batch 184/248, train_loss: 0.2286, step time: 1.3914
Batch 185/248, train_loss: 0.0742, step time: 1.3501
Batch 186/248, train_loss: 0.0732, step time: 1.3652
Batch 187/248, train_loss: 0.1489, step time: 1.3930
Batch 188/248, train_loss: 0.1877, step time: 1.3982
Batch 189/248, train_loss: 0.4803, step time: 1.3811
Batch 190/248, train_loss: 0.1215, step time: 1.3955
Batch 191/248, train_loss: 0.6151, step time: 1.3947
Batch 192/248, train_loss: 0.2335, step time: 1.3747
Batch 193/248, train_loss: 0.2323, step time: 1.3657
Batch 194/248, train_loss: 0.0727, step time: 1.3782
Batch 195/248, train_loss: 0.6126, step time: 1.3937
Batch 196/248, train_loss: 0.5479, step time: 1.3747
Batch 197/248, train_loss: 0.1506, step time: 1.3706
Batch 198/248, train_loss: 0.5022, step time: 1.3952
Batch 199/248, train_loss: 0.1344, step time: 1.3652
Batch 200/248, train_loss: 0.1185, step time: 1.3695
Batch 201/248, train_loss: 0.1013, step time: 1.3765
Batch 202/248, train_loss: 0.4502, step time: 1.3673
Batch 203/248, train_loss: 0.3285, step time: 1.3657
Batch 204/248, train_loss: 0.1050, step time: 1.3610
Batch 205/248, train_loss: 0.2193, step time: 1.3638
Batch 206/248, train_loss: 0.4225, step time: 1.3774
Batch 207/248, train_loss: 0.0884, step time: 1.3863
Batch 208/248, train_loss: 0.1213, step time: 1.3683
Batch 209/248, train_loss: 0.1256, step time: 1.3637
Batch 210/248, train_loss: 0.0543, step time: 1.3766
Batch 211/248, train_loss: 0.0643, step time: 1.3851
Batch 212/248, train_loss: 0.2179, step time: 1.3889
Batch 213/248, train_loss: 0.1617, step time: 1.3662
Batch 214/248, train_loss: 0.0769, step time: 1.3682
Batch 215/248, train_loss: 0.3267, step time: 1.3781
Batch 216/248, train_loss: 0.1567, step time: 1.3911
Batch 217/248, train_loss: 0.2899, step time: 1.3977
Batch 218/248, train_loss: 0.6981, step time: 1.3895
Batch 219/248, train_loss: 0.0683, step time: 1.4057
Batch 220/248, train_loss: 0.1994, step time: 1.3665
Batch 221/248, train_loss: 0.2658, step time: 1.3934
Batch 222/248, train_loss: 0.2171, step time: 1.3658
Batch 223/248, train_loss: 0.0440, step time: 1.3580
Batch 224/248, train_loss: 0.0762, step time: 1.3621
Batch 225/248, train_loss: 0.1944, step time: 1.3858
Batch 226/248, train_loss: 0.1069, step time: 1.3802
Batch 227/248, train_loss: 0.0898, step time: 1.3706
Batch 228/248, train_loss: 0.1401, step time: 1.3620
Batch 229/248, train_loss: 0.0900, step time: 1.3908
Batch 230/248, train_loss: 0.0597, step time: 1.3687
Batch 231/248, train_loss: 0.3509, step time: 1.3936
Batch 232/248, train_loss: 0.0822, step time: 1.3643
Batch 233/248, train_loss: 0.7800, step time: 1.3731
Batch 234/248, train_loss: 0.4020, step time: 1.3805
Batch 235/248, train_loss: 0.2143, step time: 1.4027
Batch 236/248, train_loss: 0.7024, step time: 1.3689
Batch 237/248, train_loss: 0.1152, step time: 1.3865
Batch 238/248, train_loss: 0.0873, step time: 1.3843
Batch 239/248, train_loss: 0.0631, step time: 1.3769
Batch 240/248, train_loss: 0.2752, step time: 1.3854

```
Batch 240/248, train_loss: 0.2700, step time: 1.3604
Batch 241/248, train_loss: 0.6893, step time: 1.3918
Batch 242/248, train_loss: 0.1353, step time: 1.3758
Batch 243/248, train_loss: 0.3982, step time: 1.3795
Batch 244/248, train_loss: 0.3092, step time: 1.3801
Batch 245/248, train_loss: 0.0771, step time: 1.3788
Batch 246/248, train_loss: 0.5907, step time: 1.3960
Batch 247/248, train_loss: 0.0616, step time: 1.3759
Batch 248/248, train_loss: 0.9999, step time: 1.3603
```

Labels



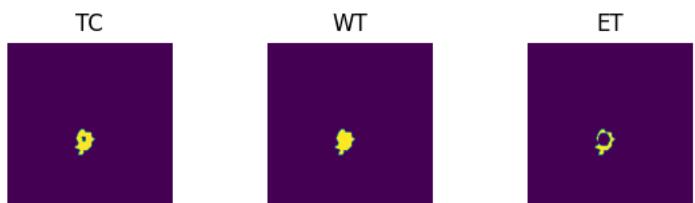
Predictions



VAL

```
Batch 1/31, val_loss: 0.8357
Batch 2/31, val_loss: 0.9881
Batch 3/31, val_loss: 0.9595
Batch 4/31, val_loss: 0.9331
Batch 5/31, val_loss: 0.9920
Batch 6/31, val_loss: 0.6799
Batch 7/31, val_loss: 0.8148
Batch 8/31, val_loss: 0.9333
Batch 9/31, val_loss: 0.6860
Batch 10/31, val_loss: 0.9098
Batch 11/31, val_loss: 0.8153
Batch 12/31, val_loss: 0.9712
Batch 13/31, val_loss: 0.9776
Batch 14/31, val_loss: 0.9389
Batch 15/31, val_loss: 0.9846
Batch 16/31, val_loss: 0.9716
Batch 17/31, val_loss: 0.9580
Batch 18/31, val_loss: 0.9273
Batch 19/31, val_loss: 0.7285
Batch 20/31, val_loss: 0.8539
Batch 21/31, val_loss: 0.8645
Batch 22/31, val_loss: 0.9612
Batch 23/31, val_loss: 0.9670
Batch 24/31, val_loss: 0.7333
Batch 25/31, val_loss: 0.7983
Batch 26/31, val_loss: 0.9232
Batch 27/31, val_loss: 0.9743
Batch 28/31, val_loss: 0.7432
Batch 29/31, val_loss: 0.9834
Batch 30/31, val_loss: 0.9562
Batch 31/31, val_loss: 0.9726
```

Labels



Predictions



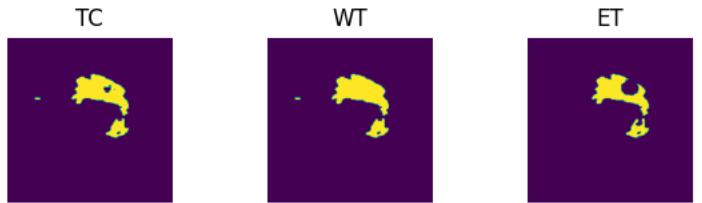
```
epoch 82
    average train loss: 0.2473
    average validation loss: 0.8947
    saved as best model: False
    current mean dice: 0.6042
    current TC dice: 0.6299
    current WT dice: 0.6354
    current ET dice: 0.5889
Best Mean Metric: 0.6427
time consuming of epoch 82 is: 1697.1943
-----
epoch 83/100
TRAIN
    Batch 1/248, train_loss: 0.0732, step time: 1.4405
    Batch 2/248, train_loss: 0.8082, step time: 1.3818
    Batch 3/248, train_loss: 0.3290, step time: 1.3829
    Batch 4/248, train_loss: 0.8193, step time: 1.3846
    Batch 5/248, train_loss: 0.2170, step time: 1.4039
    Batch 6/248, train_loss: 0.1883, step time: 1.3799
    Batch 7/248, train_loss: 0.0515, step time: 1.3857
    Batch 8/248, train_loss: 0.5954, step time: 1.3779
    Batch 9/248, train_loss: 0.0402, step time: 1.3969
    Batch 10/248, train_loss: 0.2233, step time: 1.3739
    Batch 11/248, train_loss: 0.1480, step time: 1.3891
    Batch 12/248, train_loss: 0.2830, step time: 1.3703
    Batch 13/248, train_loss: 0.2333, step time: 1.3620
    Batch 14/248, train_loss: 0.0492, step time: 1.3763
    Batch 15/248, train_loss: 0.3081, step time: 1.3531
    Batch 16/248, train_loss: 0.1542, step time: 1.3645
    Batch 17/248, train_loss: 0.2261, step time: 1.3739
    Batch 18/248, train_loss: 0.2619, step time: 1.3986
    Batch 19/248, train_loss: 0.1313, step time: 1.3595
    Batch 20/248, train_loss: 0.0857, step time: 1.3744
    Batch 21/248, train_loss: 0.0371, step time: 1.3953
    Batch 22/248, train_loss: 0.3808, step time: 1.3708
    Batch 23/248, train_loss: 0.5409, step time: 1.3861
    Batch 24/248, train_loss: 0.0954, step time: 1.3924
    Batch 25/248, train_loss: 0.0483, step time: 1.3719
    Batch 26/248, train_loss: 0.3283, step time: 1.3883
    Batch 27/248, train_loss: 0.0778, step time: 1.3811
    Batch 28/248, train_loss: 0.1464, step time: 1.3991
    Batch 29/248, train_loss: 0.3424, step time: 1.3992
    Batch 30/248, train_loss: 0.1747, step time: 1.3940
    Batch 31/248, train_loss: 0.3310, step time: 1.3888
    Batch 32/248, train_loss: 0.0622, step time: 1.3878
    Batch 33/248, train_loss: 0.0593, step time: 1.3654
    Batch 34/248, train_loss: 0.0405, step time: 1.3937
    Batch 35/248, train_loss: 0.0482, step time: 1.3837
    Batch 36/248, train_loss: 0.4466, step time: 1.3866
    Batch 37/248, train_loss: 0.1472, step time: 1.3780
    Batch 38/248, train_loss: 0.2949, step time: 1.3987
    Batch 39/248, train_loss: 0.1212, step time: 1.3745
    Batch 40/248, train_loss: 0.5316, step time: 1.3821
    Batch 41/248, train_loss: 0.2015, step time: 1.3816
    Batch 42/248, train_loss: 0.0629, step time: 1.3649
    Batch 43/248, train_loss: 0.0933, step time: 1.3663
    Batch 44/248, train_loss: 0.1144, step time: 1.3861
    Batch 45/248, train_loss: 0.4144, step time: 1.3638
    Batch 46/248, train_loss: 0.1385, step time: 1.3979
    Batch 47/248, train_loss: 0.0614, step time: 1.4055
    Batch 48/248, train_loss: 0.2000, step time: 1.3897
    Batch 49/248, train_loss: 0.5508, step time: 1.3779
    Batch 50/248, train_loss: 0.1329, step time: 1.3985
    Batch 51/248, train_loss: 0.1208, step time: 1.3738
    Batch 52/248, train_loss: 0.1226, step time: 1.3977
    Batch 53/248, train_loss: 0.3743, step time: 1.3774
    Batch 54/248, train_loss: 0.2326, step time: 1.3659
    Batch 55/248, train_loss: 0.2018, step time: 1.3866
    Batch 56/248, train_loss: 0.1486, step time: 1.3914
    Batch 57/248, train_loss: 0.1997, step time: 1.3930
    Batch 58/248, train_loss: 0.0626, step time: 1.3779
    Batch 59/248, train_loss: 0.0723, step time: 1.3576
    Batch 60/248, train_loss: 0.0734, step time: 1.3721
    Batch 61/248, train_loss: 0.0668, step time: 1.3714
    Batch 62/248, train_loss: 0.1995, step time: 1.3742
    Batch 63/248, train_loss: 0.3531, step time: 1.4039
    Batch 64/248, train_loss: 0.3658, step time: 1.3916
    Batch 65/248, train_loss: 0.2068, step time: 1.3768
    Batch 66/248, train_loss: 0.1210, step time: 1.3823
    Batch 67/248, train_loss: 0.0649, step time: 1.3702
    Batch 68/248, train_loss: 0.0940, step time: 1.3769
    Batch 69/248, train_loss: 0.4219, step time: 1.3926
    Batch 70/248. train loss: 0.1900. step time: 1.3894
```

Batch 71/248, train_loss: 0.1424, step time: 1.3686
Batch 72/248, train_loss: 0.0438, step time: 1.3780
Batch 73/248, train_loss: 0.3580, step time: 1.3904
Batch 74/248, train_loss: 0.4478, step time: 1.3683
Batch 75/248, train_loss: 0.0949, step time: 1.3810
Batch 76/248, train_loss: 0.5645, step time: 1.3743
Batch 77/248, train_loss: 0.7140, step time: 1.3965
Batch 78/248, train_loss: 0.0962, step time: 1.3821
Batch 79/248, train_loss: 0.1324, step time: 1.4015
Batch 80/248, train_loss: 0.1937, step time: 1.3968
Batch 81/248, train_loss: 0.1114, step time: 1.3931
Batch 82/248, train_loss: 0.0835, step time: 1.3826
Batch 83/248, train_loss: 0.4972, step time: 1.3828
Batch 84/248, train_loss: 0.2953, step time: 1.4105
Batch 85/248, train_loss: 0.3089, step time: 1.3969
Batch 86/248, train_loss: 0.2737, step time: 1.3888
Batch 87/248, train_loss: 0.7342, step time: 1.3866
Batch 88/248, train_loss: 0.2809, step time: 1.3903
Batch 89/248, train_loss: 0.0817, step time: 1.3994
Batch 90/248, train_loss: 0.6974, step time: 1.3960
Batch 91/248, train_loss: 0.3197, step time: 1.3709
Batch 92/248, train_loss: 0.4930, step time: 1.3828
Batch 93/248, train_loss: 0.1369, step time: 1.3808
Batch 94/248, train_loss: 0.2423, step time: 1.3968
Batch 95/248, train_loss: 0.1517, step time: 1.3882
Batch 96/248, train_loss: 0.1153, step time: 1.3893
Batch 97/248, train_loss: 0.4219, step time: 1.3934
Batch 98/248, train_loss: 0.1224, step time: 1.3758
Batch 99/248, train_loss: 0.3227, step time: 1.3982
Batch 100/248, train_loss: 0.2364, step time: 1.3656
Batch 101/248, train_loss: 0.0451, step time: 1.3677
Batch 102/248, train_loss: 0.0893, step time: 1.3613
Batch 103/248, train_loss: 0.3029, step time: 1.3676
Batch 104/248, train_loss: 0.2919, step time: 1.3855
Batch 105/248, train_loss: 0.0807, step time: 1.3829
Batch 106/248, train_loss: 0.1138, step time: 1.3907
Batch 107/248, train_loss: 0.2423, step time: 1.3768
Batch 108/248, train_loss: 0.5917, step time: 1.3732
Batch 109/248, train_loss: 0.9677, step time: 1.3902
Batch 110/248, train_loss: 0.3265, step time: 1.3784
Batch 111/248, train_loss: 0.0813, step time: 1.3724
Batch 112/248, train_loss: 0.1156, step time: 1.3946
Batch 113/248, train_loss: 0.4917, step time: 1.4028
Batch 114/248, train_loss: 0.1159, step time: 1.3960
Batch 115/248, train_loss: 0.1210, step time: 1.3576
Batch 116/248, train_loss: 0.0536, step time: 1.3791
Batch 117/248, train_loss: 0.5607, step time: 1.3750
Batch 118/248, train_loss: 0.1937, step time: 1.4020
Batch 119/248, train_loss: 0.2465, step time: 1.3587
Batch 120/248, train_loss: 0.2063, step time: 1.3871
Batch 121/248, train_loss: 0.2511, step time: 1.3759
Batch 122/248, train_loss: 0.4243, step time: 1.3964
Batch 123/248, train_loss: 0.0544, step time: 1.3886
Batch 124/248, train_loss: 0.2335, step time: 1.3729
Batch 125/248, train_loss: 0.4436, step time: 1.3728
Batch 126/248, train_loss: 0.2826, step time: 1.4023
Batch 127/248, train_loss: 0.1073, step time: 1.3900
Batch 128/248, train_loss: 0.1204, step time: 1.3851
Batch 129/248, train_loss: 0.0814, step time: 1.3746
Batch 130/248, train_loss: 0.1019, step time: 1.3857
Batch 131/248, train_loss: 0.4036, step time: 1.3943
Batch 132/248, train_loss: 0.1288, step time: 1.3768
Batch 133/248, train_loss: 0.0956, step time: 1.3679
Batch 134/248, train_loss: 0.7939, step time: 1.3802
Batch 135/248, train_loss: 0.2048, step time: 1.3697
Batch 136/248, train_loss: 0.1490, step time: 1.4016
Batch 137/248, train_loss: 0.0966, step time: 1.3810
Batch 138/248, train_loss: 0.0577, step time: 1.3818
Batch 139/248, train_loss: 0.1212, step time: 1.3592
Batch 140/248, train_loss: 0.1565, step time: 1.3812
Batch 141/248, train_loss: 0.1113, step time: 1.3696
Batch 142/248, train_loss: 0.4308, step time: 1.3753
Batch 143/248, train_loss: 0.1981, step time: 1.3650
Batch 144/248, train_loss: 0.1252, step time: 1.3591
Batch 145/248, train_loss: 0.0555, step time: 1.3618
Batch 146/248, train_loss: 0.3021, step time: 1.3749
Batch 147/248, train_loss: 0.0465, step time: 1.3757
Batch 148/248, train_loss: 0.4789, step time: 1.3751
Batch 149/248, train_loss: 0.1040, step time: 1.3705
Batch 150/248, train_loss: 0.3608, step time: 1.3992
Batch 151/248, train_loss: 0.1710, step time: 1.3779
Batch 152/248, train_loss: 0.0340, step time: 1.3928
Batch 153/248, train_loss: 0.1579, step time: 1.3995
Batch 154/248, train_loss: 0.5121, step time: 1.3826
Batch 155/248, train_loss: 0.1001, step time: 1.3772

Batch 154/248, train_loss: 0.1001, step time: 1.3725
Batch 156/248, train_loss: 0.1615, step time: 1.3920
Batch 157/248, train_loss: 0.2870, step time: 1.3938
Batch 158/248, train_loss: 0.8802, step time: 1.3796
Batch 159/248, train_loss: 0.3023, step time: 1.3795
Batch 160/248, train_loss: 0.0814, step time: 1.3930
Batch 161/248, train_loss: 0.1009, step time: 1.3942
Batch 162/248, train_loss: 0.3086, step time: 1.3958
Batch 163/248, train_loss: 0.1063, step time: 1.3702
Batch 164/248, train_loss: 0.1614, step time: 1.3649
Batch 165/248, train_loss: 0.4248, step time: 1.3813
Batch 166/248, train_loss: 0.0813, step time: 1.3676
Batch 167/248, train_loss: 0.1356, step time: 1.4028
Batch 168/248, train_loss: 0.1187, step time: 1.4024
Batch 169/248, train_loss: 0.0911, step time: 1.3680
Batch 170/248, train_loss: 0.5019, step time: 1.3724
Batch 171/248, train_loss: 0.0711, step time: 1.3937
Batch 172/248, train_loss: 0.3263, step time: 1.3985
Batch 173/248, train_loss: 0.0644, step time: 1.3800
Batch 174/248, train_loss: 0.5786, step time: 1.3962
Batch 175/248, train_loss: 0.0813, step time: 1.3652
Batch 176/248, train_loss: 0.3291, step time: 1.3951
Batch 177/248, train_loss: 0.2850, step time: 1.3944
Batch 178/248, train_loss: 0.1867, step time: 1.3884
Batch 179/248, train_loss: 0.0644, step time: 1.3716
Batch 180/248, train_loss: 0.3539, step time: 1.3976
Batch 181/248, train_loss: 0.0758, step time: 1.3607
Batch 182/248, train_loss: 0.6941, step time: 1.3608
Batch 183/248, train_loss: 0.0879, step time: 1.3736
Batch 184/248, train_loss: 0.2071, step time: 1.3944
Batch 185/248, train_loss: 0.0733, step time: 1.3577
Batch 186/248, train_loss: 0.0758, step time: 1.3939
Batch 187/248, train_loss: 0.1629, step time: 1.3884
Batch 188/248, train_loss: 0.1833, step time: 1.3940
Batch 189/248, train_loss: 0.4928, step time: 1.4027
Batch 190/248, train_loss: 0.0986, step time: 1.3721
Batch 191/248, train_loss: 0.7054, step time: 1.3892
Batch 192/248, train_loss: 0.2135, step time: 1.3708
Batch 193/248, train_loss: 0.2078, step time: 1.3643
Batch 194/248, train_loss: 0.0808, step time: 1.3854
Batch 195/248, train_loss: 0.5695, step time: 1.3854
Batch 196/248, train_loss: 0.6728, step time: 1.3690
Batch 197/248, train_loss: 0.1672, step time: 1.3749
Batch 198/248, train_loss: 0.4525, step time: 1.4091
Batch 199/248, train_loss: 0.1433, step time: 1.3752
Batch 200/248, train_loss: 0.1268, step time: 1.3939
Batch 201/248, train_loss: 0.1099, step time: 1.3902
Batch 202/248, train_loss: 0.4179, step time: 1.3735
Batch 203/248, train_loss: 0.3600, step time: 1.4051
Batch 204/248, train_loss: 0.1367, step time: 1.3828
Batch 205/248, train_loss: 0.2416, step time: 1.3626
Batch 206/248, train_loss: 0.5585, step time: 1.4053
Batch 207/248, train_loss: 0.0644, step time: 1.3743
Batch 208/248, train_loss: 0.2189, step time: 1.3710
Batch 209/248, train_loss: 0.1593, step time: 1.3865
Batch 210/248, train_loss: 0.0590, step time: 1.3717
Batch 211/248, train_loss: 0.0683, step time: 1.3798
Batch 212/248, train_loss: 0.2437, step time: 1.3657
Batch 213/248, train_loss: 0.1524, step time: 1.3802
Batch 214/248, train_loss: 0.0673, step time: 1.3705
Batch 215/248, train_loss: 0.2473, step time: 1.3814
Batch 216/248, train_loss: 0.2006, step time: 1.3729
Batch 217/248, train_loss: 0.2458, step time: 1.4046
Batch 218/248, train_loss: 0.7176, step time: 1.4007
Batch 219/248, train_loss: 0.0665, step time: 1.3940
Batch 220/248, train_loss: 0.2154, step time: 1.3677
Batch 221/248, train_loss: 0.2827, step time: 1.3900
Batch 222/248, train_loss: 0.1773, step time: 1.3742
Batch 223/248, train_loss: 0.0462, step time: 1.3833
Batch 224/248, train_loss: 0.1046, step time: 1.3846
Batch 225/248, train_loss: 0.3139, step time: 1.3957
Batch 226/248, train_loss: 0.2756, step time: 1.3721
Batch 227/248, train_loss: 0.1173, step time: 1.3861
Batch 228/248, train_loss: 0.1356, step time: 1.3854
Batch 229/248, train_loss: 0.0949, step time: 1.3744
Batch 230/248, train_loss: 0.0900, step time: 1.3666
Batch 231/248, train_loss: 0.2935, step time: 1.4007
Batch 232/248, train_loss: 0.0666, step time: 1.3950
Batch 233/248, train_loss: 0.9665, step time: 1.3711
Batch 234/248, train_loss: 0.4005, step time: 1.3897
Batch 235/248, train_loss: 0.1991, step time: 1.3924
Batch 236/248, train_loss: 0.7342, step time: 1.4061
Batch 237/248, train_loss: 0.1240, step time: 1.3834
Batch 238/248, train_loss: 0.0878, step time: 1.3648
Batch 239/248, train_loss: 0.0699, step time: 1.3845

```
Batch 240/248, train_loss: 0.3476, step time: 1.3656  
Batch 241/248, train_loss: 0.9234, step time: 1.3706  
Batch 242/248, train_loss: 0.1357, step time: 1.3932  
Batch 243/248, train_loss: 0.4419, step time: 1.4032  
Batch 244/248, train_loss: 0.3751, step time: 1.4047  
Batch 245/248, train_loss: 0.0706, step time: 1.3873  
Batch 246/248, train_loss: 0.5441, step time: 1.3706  
Batch 247/248, train_loss: 0.0672, step time: 1.3635  
Batch 248/248, train_loss: 0.9995, step time: 1.3818
```

Labels



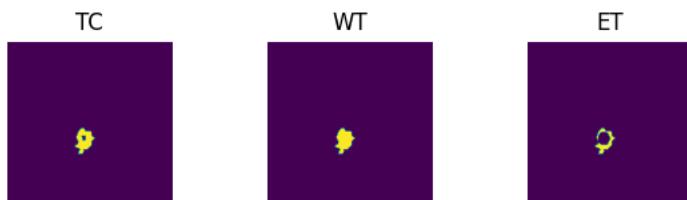
Predictions



VAL

```
Batch 1/31, val_loss: 0.8365  
Batch 2/31, val_loss: 0.9907  
Batch 3/31, val_loss: 0.9628  
Batch 4/31, val_loss: 0.9432  
Batch 5/31, val_loss: 0.9911  
Batch 6/31, val_loss: 0.7050  
Batch 7/31, val_loss: 0.8234  
Batch 8/31, val_loss: 0.9510  
Batch 9/31, val_loss: 0.6912  
Batch 10/31, val_loss: 0.9050  
Batch 11/31, val_loss: 0.8190  
Batch 12/31, val_loss: 0.9657  
Batch 13/31, val_loss: 0.9966  
Batch 14/31, val_loss: 0.9376  
Batch 15/31, val_loss: 0.9838  
Batch 16/31, val_loss: 0.9709  
Batch 17/31, val_loss: 0.9688  
Batch 18/31, val_loss: 0.9327  
Batch 19/31, val_loss: 0.7411  
Batch 20/31, val_loss: 0.8577  
Batch 21/31, val_loss: 0.8805  
Batch 22/31, val_loss: 0.9597  
Batch 23/31, val_loss: 0.9702  
Batch 24/31, val_loss: 0.7392  
Batch 25/31, val_loss: 0.8053  
Batch 26/31, val_loss: 0.9174  
Batch 27/31, val_loss: 0.9774  
Batch 28/31, val_loss: 0.7419  
Batch 29/31, val_loss: 0.9810  
Batch 30/31, val_loss: 0.9589  
Batch 31/31, val_loss: 0.9712
```

Labels



Predictions



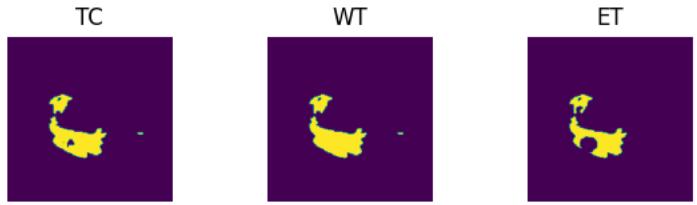
```
epoch 83
    average train loss: 0.2468
    average validation loss: 0.8992
    saved as best model: False
    current mean dice: 0.6249
    current TC dice: 0.6552
    current WT dice: 0.6630
    current ET dice: 0.5953
Best Mean Metric: 0.6427
time consuming of epoch 83 is: 1696.9052
-----
epoch 84/100
TRAIN
    Batch 1/248, train_loss: 0.0708, step time: 1.4523
    Batch 2/248, train_loss: 0.6038, step time: 1.3774
    Batch 3/248, train_loss: 0.2788, step time: 1.3581
    Batch 4/248, train_loss: 0.9206, step time: 1.3980
    Batch 5/248, train_loss: 0.3066, step time: 1.3674
    Batch 6/248, train_loss: 0.1913, step time: 1.3845
    Batch 7/248, train_loss: 0.0662, step time: 1.3735
    Batch 8/248, train_loss: 0.6987, step time: 1.3959
    Batch 9/248, train_loss: 0.0389, step time: 1.3859
    Batch 10/248, train_loss: 0.2066, step time: 1.3652
    Batch 11/248, train_loss: 0.1519, step time: 1.3636
    Batch 12/248, train_loss: 0.2726, step time: 1.3928
    Batch 13/248, train_loss: 0.2791, step time: 1.3948
    Batch 14/248, train_loss: 0.0737, step time: 1.3726
    Batch 15/248, train_loss: 0.3006, step time: 1.3711
    Batch 16/248, train_loss: 0.1274, step time: 1.3627
    Batch 17/248, train_loss: 0.2529, step time: 1.3995
    Batch 18/248, train_loss: 0.2661, step time: 1.3705
    Batch 19/248, train_loss: 0.0993, step time: 1.3700
    Batch 20/248, train_loss: 0.0935, step time: 1.3704
    Batch 21/248, train_loss: 0.0495, step time: 1.3647
    Batch 22/248, train_loss: 0.4350, step time: 1.3747
    Batch 23/248, train_loss: 0.4001, step time: 1.3902
    Batch 24/248, train_loss: 0.0787, step time: 1.3813
    Batch 25/248, train_loss: 0.0472, step time: 1.3808
    Batch 26/248, train_loss: 0.3990, step time: 1.4044
    Batch 27/248, train_loss: 0.0655, step time: 1.3706
    Batch 28/248, train_loss: 0.1406, step time: 1.3697
    Batch 29/248, train_loss: 0.3507, step time: 1.3875
    Batch 30/248, train_loss: 0.2090, step time: 1.3904
    Batch 31/248, train_loss: 0.2538, step time: 1.3931
    Batch 32/248, train_loss: 0.0606, step time: 1.3987
    Batch 33/248, train_loss: 0.0776, step time: 1.3762
    Batch 34/248, train_loss: 0.0392, step time: 1.3701
    Batch 35/248, train_loss: 0.0426, step time: 1.3904
    Batch 36/248, train_loss: 0.5253, step time: 1.3861
    Batch 37/248, train_loss: 0.1238, step time: 1.3684
    Batch 38/248, train_loss: 0.2877, step time: 1.3747
    Batch 39/248, train_loss: 0.1539, step time: 1.3827
    Batch 40/248, train_loss: 0.6478, step time: 1.3882
    Batch 41/248, train_loss: 0.2110, step time: 1.3991
    Batch 42/248, train_loss: 0.0748, step time: 1.3690
    Batch 43/248, train_loss: 0.0597, step time: 1.3670
    Batch 44/248, train_loss: 0.0877, step time: 1.3624
    Batch 45/248, train_loss: 0.3305, step time: 1.3712
    Batch 46/248, train_loss: 0.1266, step time: 1.3778
    Batch 47/248, train_loss: 0.0734, step time: 1.3708
    Batch 48/248, train_loss: 0.1491, step time: 1.3752
    Batch 49/248, train_loss: 0.3958, step time: 1.3953
    Batch 50/248, train_loss: 0.1195, step time: 1.3955
    Batch 51/248, train_loss: 0.1309, step time: 1.3774
    Batch 52/248, train_loss: 0.0895, step time: 1.3943
    Batch 53/248, train_loss: 0.3556, step time: 1.3905
    Batch 54/248, train_loss: 0.1995, step time: 1.3732
    Batch 55/248, train_loss: 0.2624, step time: 1.3742
    Batch 56/248, train_loss: 0.1838, step time: 1.4004
    Batch 57/248, train_loss: 0.1799, step time: 1.3688
    Batch 58/248, train_loss: 0.0600, step time: 1.3871
    Batch 59/248, train_loss: 0.0872, step time: 1.3858
    Batch 60/248, train_loss: 0.0526, step time: 1.3886
    Batch 61/248, train_loss: 0.0764, step time: 1.3966
    Batch 62/248, train_loss: 0.2079, step time: 1.3779
    Batch 63/248, train_loss: 0.3732, step time: 1.4014
    Batch 64/248, train_loss: 0.3257, step time: 1.3657
    Batch 65/248, train_loss: 0.2244, step time: 1.3907
    Batch 66/248, train_loss: 0.1125, step time: 1.3923
    Batch 67/248, train_loss: 0.0705, step time: 1.3705
    Batch 68/248, train_loss: 0.0775, step time: 1.3866
    Batch 69/248, train_loss: 0.4026, step time: 1.3913
```

```
Batch 0/248, train_loss: 0.1498, step time: 1.3827
Batch 1/248, train_loss: 0.1177, step time: 1.3923
Batch 2/248, train_loss: 0.0582, step time: 1.3857
Batch 3/248, train_loss: 0.2498, step time: 1.3873
Batch 4/248, train_loss: 0.3788, step time: 1.3661
Batch 5/248, train_loss: 0.0916, step time: 1.3816
Batch 6/248, train_loss: 0.4626, step time: 1.3797
Batch 7/248, train_loss: 0.7512, step time: 1.3785
Batch 8/248, train_loss: 0.1152, step time: 1.3793
Batch 9/248, train_loss: 0.1103, step time: 1.3823
Batch 10/248, train_loss: 0.1684, step time: 1.4042
Batch 11/248, train_loss: 0.1438, step time: 1.3731
Batch 12/248, train_loss: 0.0862, step time: 1.4055
Batch 13/248, train_loss: 0.4590, step time: 1.3992
Batch 14/248, train_loss: 0.1581, step time: 1.3925
Batch 15/248, train_loss: 0.3200, step time: 1.3966
Batch 16/248, train_loss: 0.2045, step time: 1.3884
Batch 17/248, train_loss: 0.7225, step time: 1.3921
Batch 18/248, train_loss: 0.3311, step time: 1.4014
Batch 19/248, train_loss: 0.0717, step time: 1.3880
Batch 20/248, train_loss: 0.1911, step time: 1.3747
Batch 21/248, train_loss: 0.3330, step time: 1.4083
Batch 22/248, train_loss: 0.6150, step time: 1.3917
Batch 23/248, train_loss: 0.1473, step time: 1.3943
Batch 24/248, train_loss: 0.2118, step time: 1.3770
Batch 25/248, train_loss: 0.1547, step time: 1.3597
Batch 26/248, train_loss: 0.1233, step time: 1.3891
Batch 27/248, train_loss: 0.4216, step time: 1.3740
Batch 28/248, train_loss: 0.0953, step time: 1.3773
Batch 29/248, train_loss: 0.2802, step time: 1.3901
Batch 30/248, train_loss: 0.2309, step time: 1.3921
Batch 31/248, train_loss: 0.0453, step time: 1.3837
Batch 32/248, train_loss: 0.1007, step time: 1.3820
Batch 33/248, train_loss: 0.3050, step time: 1.3794
Batch 34/248, train_loss: 0.2494, step time: 1.3922
Batch 35/248, train_loss: 0.0652, step time: 1.3611
Batch 36/248, train_loss: 0.1238, step time: 1.3864
Batch 37/248, train_loss: 0.2586, step time: 1.3767
Batch 38/248, train_loss: 0.5492, step time: 1.4020
Batch 39/248, train_loss: 0.9629, step time: 1.3784
Batch 40/248, train_loss: 0.3475, step time: 1.3995
Batch 41/248, train_loss: 0.0747, step time: 1.3672
Batch 42/248, train_loss: 0.1048, step time: 1.3923
Batch 43/248, train_loss: 0.4393, step time: 1.4021
Batch 44/248, train_loss: 0.1054, step time: 1.3856
Batch 45/248, train_loss: 0.1271, step time: 1.3983
Batch 46/248, train_loss: 0.0608, step time: 1.3931
Batch 47/248, train_loss: 0.5630, step time: 1.3943
Batch 48/248, train_loss: 0.1945, step time: 1.3710
Batch 49/248, train_loss: 0.2706, step time: 1.3789
Batch 50/248, train_loss: 0.1910, step time: 1.3837
Batch 51/248, train_loss: 0.2782, step time: 1.4051
Batch 52/248, train_loss: 0.3756, step time: 1.4105
Batch 53/248, train_loss: 0.0464, step time: 1.3555
Batch 54/248, train_loss: 0.2622, step time: 1.3937
Batch 55/248, train_loss: 0.5092, step time: 1.4041
Batch 56/248, train_loss: 0.3429, step time: 1.3776
Batch 57/248, train_loss: 0.1201, step time: 1.3741
Batch 58/248, train_loss: 0.1288, step time: 1.3816
Batch 59/248, train_loss: 0.0815, step time: 1.3759
Batch 60/248, train_loss: 0.0787, step time: 1.3798
Batch 61/248, train_loss: 0.4455, step time: 1.3960
Batch 62/248, train_loss: 0.1493, step time: 1.3655
Batch 63/248, train_loss: 0.1065, step time: 1.3778
Batch 64/248, train_loss: 0.7414, step time: 1.3845
Batch 65/248, train_loss: 0.1787, step time: 1.3829
Batch 66/248, train_loss: 0.0881, step time: 1.3716
Batch 67/248, train_loss: 0.1320, step time: 1.3873
Batch 68/248, train_loss: 0.0932, step time: 1.3930
Batch 69/248, train_loss: 0.1179, step time: 1.3895
Batch 70/248, train_loss: 0.1532, step time: 1.3696
Batch 71/248, train_loss: 0.1053, step time: 1.3562
Batch 72/248, train_loss: 0.5247, step time: 1.3952
Batch 73/248, train_loss: 0.1968, step time: 1.3975
Batch 74/248, train_loss: 0.1262, step time: 1.3903
Batch 75/248, train_loss: 0.0535, step time: 1.3677
Batch 76/248, train_loss: 0.2983, step time: 1.3965
Batch 77/248, train_loss: 0.0375, step time: 1.3911
Batch 78/248, train_loss: 0.4543, step time: 1.3922
Batch 79/248, train_loss: 0.1014, step time: 1.3666
Batch 80/248, train_loss: 0.2950, step time: 1.3828
Batch 81/248, train_loss: 0.2185, step time: 1.3553
Batch 82/248, train_loss: 0.0424, step time: 1.3726
Batch 83/248, train_loss: 0.1576, step time: 1.3842
Batch 84/248, train_loss: 0.7149, step time: 1.3835
```

Batch 155/248, train_loss: 0.1172, step time: 1.3962
Batch 156/248, train_loss: 0.1332, step time: 1.3919
Batch 157/248, train_loss: 0.2806, step time: 1.3955
Batch 158/248, train_loss: 0.7660, step time: 1.4131
Batch 159/248, train_loss: 0.3419, step time: 1.3954
Batch 160/248, train_loss: 0.0670, step time: 1.3789
Batch 161/248, train_loss: 0.0566, step time: 1.3881
Batch 162/248, train_loss: 0.0575, step time: 1.3936
Batch 163/248, train_loss: 0.1062, step time: 1.3775
Batch 164/248, train_loss: 0.2335, step time: 1.3936
Batch 165/248, train_loss: 0.3906, step time: 1.3908
Batch 166/248, train_loss: 0.0981, step time: 1.3770
Batch 167/248, train_loss: 0.1420, step time: 1.3658
Batch 168/248, train_loss: 0.1472, step time: 1.3776
Batch 169/248, train_loss: 0.0831, step time: 1.3850
Batch 170/248, train_loss: 0.5358, step time: 1.3731
Batch 171/248, train_loss: 0.0875, step time: 1.3982
Batch 172/248, train_loss: 0.3823, step time: 1.3939
Batch 173/248, train_loss: 0.0676, step time: 1.3807
Batch 174/248, train_loss: 0.4359, step time: 1.3694
Batch 175/248, train_loss: 0.0961, step time: 1.3713
Batch 176/248, train_loss: 0.3209, step time: 1.3942
Batch 177/248, train_loss: 0.1679, step time: 1.3922
Batch 178/248, train_loss: 0.2934, step time: 1.3974
Batch 179/248, train_loss: 0.0605, step time: 1.3637
Batch 180/248, train_loss: 0.3221, step time: 1.3720
Batch 181/248, train_loss: 0.0750, step time: 1.3643
Batch 182/248, train_loss: 0.8098, step time: 1.3697
Batch 183/248, train_loss: 0.1554, step time: 1.3893
Batch 184/248, train_loss: 0.2050, step time: 1.3692
Batch 185/248, train_loss: 0.1302, step time: 1.3996
Batch 186/248, train_loss: 0.0793, step time: 1.3953
Batch 187/248, train_loss: 0.1916, step time: 1.3883
Batch 188/248, train_loss: 0.1880, step time: 1.3739
Batch 189/248, train_loss: 0.4122, step time: 1.4031
Batch 190/248, train_loss: 0.1555, step time: 1.3610
Batch 191/248, train_loss: 0.6057, step time: 1.3918
Batch 192/248, train_loss: 0.2464, step time: 1.3718
Batch 193/248, train_loss: 0.2140, step time: 1.3765
Batch 194/248, train_loss: 0.0732, step time: 1.3762
Batch 195/248, train_loss: 0.5703, step time: 1.3868
Batch 196/248, train_loss: 0.5517, step time: 1.3683
Batch 197/248, train_loss: 0.1650, step time: 1.3949
Batch 198/248, train_loss: 0.4149, step time: 1.3902
Batch 199/248, train_loss: 0.1309, step time: 1.3646
Batch 200/248, train_loss: 0.1205, step time: 1.3978
Batch 201/248, train_loss: 0.1769, step time: 1.3903
Batch 202/248, train_loss: 0.4436, step time: 1.3870
Batch 203/248, train_loss: 0.2746, step time: 1.3658
Batch 204/248, train_loss: 0.0787, step time: 1.3911
Batch 205/248, train_loss: 0.2304, step time: 1.3772
Batch 206/248, train_loss: 0.3025, step time: 1.3970
Batch 207/248, train_loss: 0.0645, step time: 1.3834
Batch 208/248, train_loss: 0.1671, step time: 1.3946
Batch 209/248, train_loss: 0.1249, step time: 1.3734
Batch 210/248, train_loss: 0.0656, step time: 1.3862
Batch 211/248, train_loss: 0.0622, step time: 1.3903
Batch 212/248, train_loss: 0.2239, step time: 1.3732
Batch 213/248, train_loss: 0.1470, step time: 1.3624
Batch 214/248, train_loss: 0.0795, step time: 1.3906
Batch 215/248, train_loss: 0.3167, step time: 1.3692
Batch 216/248, train_loss: 0.1543, step time: 1.3619
Batch 217/248, train_loss: 0.2450, step time: 1.3875
Batch 218/248, train_loss: 0.7101, step time: 1.3944
Batch 219/248, train_loss: 0.0518, step time: 1.3814
Batch 220/248, train_loss: 0.1838, step time: 1.3591
Batch 221/248, train_loss: 0.2944, step time: 1.3986
Batch 222/248, train_loss: 0.2302, step time: 1.3966
Batch 223/248, train_loss: 0.0431, step time: 1.3567
Batch 224/248, train_loss: 0.0739, step time: 1.3565
Batch 225/248, train_loss: 0.1764, step time: 1.3747
Batch 226/248, train_loss: 0.1043, step time: 1.3839
Batch 227/248, train_loss: 0.0861, step time: 1.3810
Batch 228/248, train_loss: 0.1382, step time: 1.3860
Batch 229/248, train_loss: 0.0796, step time: 1.4016
Batch 230/248, train_loss: 0.0735, step time: 1.3692
Batch 231/248, train_loss: 0.2670, step time: 1.3847
Batch 232/248, train_loss: 0.0718, step time: 1.4005
Batch 233/248, train_loss: 0.8116, step time: 1.4073
Batch 234/248, train_loss: 0.3702, step time: 1.3823
Batch 235/248, train_loss: 0.2081, step time: 1.3926
Batch 236/248, train_loss: 0.7371, step time: 1.4421
Batch 237/248, train_loss: 0.1128, step time: 1.3697
Batch 238/248, train_loss: 0.0868, step time: 1.3853
Batch 239/248, train_loss: 0.0527, step time: 1.3664

```
Batch 240/248, train_loss: 0.2312, step time: 1.3921
Batch 241/248, train_loss: 0.7011, step time: 1.3989
Batch 242/248, train_loss: 0.1300, step time: 1.3688
Batch 243/248, train_loss: 0.4668, step time: 1.3707
Batch 244/248, train_loss: 0.4271, step time: 1.3772
Batch 245/248, train_loss: 0.0673, step time: 1.3919
Batch 246/248, train_loss: 0.5439, step time: 1.3885
Batch 247/248, train_loss: 0.0631, step time: 1.3793
Batch 248/248, train_loss: 0.9999, step time: 1.3736
```

Labels



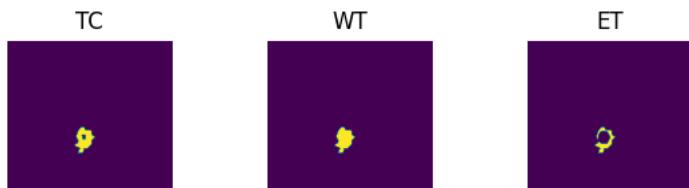
Predictions



VAL

```
Batch 1/31, val_loss: 0.8348
Batch 2/31, val_loss: 0.9876
Batch 3/31, val_loss: 0.9607
Batch 4/31, val_loss: 0.9316
Batch 5/31, val_loss: 0.9909
Batch 6/31, val_loss: 0.6867
Batch 7/31, val_loss: 0.8156
Batch 8/31, val_loss: 0.9288
Batch 9/31, val_loss: 0.6860
Batch 10/31, val_loss: 0.9081
Batch 11/31, val_loss: 0.8153
Batch 12/31, val_loss: 0.9664
Batch 13/31, val_loss: 0.9906
Batch 14/31, val_loss: 0.9294
Batch 15/31, val_loss: 0.9842
Batch 16/31, val_loss: 0.9710
Batch 17/31, val_loss: 0.9582
Batch 18/31, val_loss: 0.9263
Batch 19/31, val_loss: 0.7263
Batch 20/31, val_loss: 0.8471
Batch 21/31, val_loss: 0.8658
Batch 22/31, val_loss: 0.9550
Batch 23/31, val_loss: 0.9657
Batch 24/31, val_loss: 0.7382
Batch 25/31, val_loss: 0.7983
Batch 26/31, val_loss: 0.9225
Batch 27/31, val_loss: 0.9751
Batch 28/31, val_loss: 0.7389
Batch 29/31, val_loss: 0.9836
Batch 30/31, val_loss: 0.9612
Batch 31/31, val_loss: 0.9727
```

Labels



Predictions



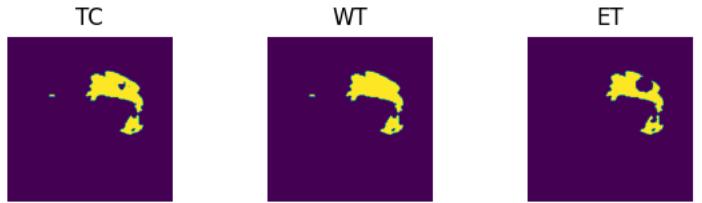
```
epoch 84
    average train loss: 0.2366
    average validation loss: 0.8943
    saved as best model: False
    current mean dice: 0.6213
    current TC dice: 0.6515
    current WT dice: 0.6553
    current ET dice: 0.5984
Best Mean Metric: 0.6427
time consuming of epoch 84 is: 1682.8723
-----
epoch 85/100
TRAIN
    Batch 1/248, train_loss: 0.1336, step time: 1.4587
    Batch 2/248, train_loss: 0.7513, step time: 1.4052
    Batch 3/248, train_loss: 0.3335, step time: 1.3803
    Batch 4/248, train_loss: 0.8368, step time: 1.3862
    Batch 5/248, train_loss: 0.1980, step time: 1.3993
    Batch 6/248, train_loss: 0.2196, step time: 1.3872
    Batch 7/248, train_loss: 0.0604, step time: 1.3802
    Batch 8/248, train_loss: 0.5574, step time: 1.3740
    Batch 9/248, train_loss: 0.0340, step time: 1.3868
    Batch 10/248, train_loss: 0.2133, step time: 1.3678
    Batch 11/248, train_loss: 0.1356, step time: 1.3950
    Batch 12/248, train_loss: 0.3208, step time: 1.3911
    Batch 13/248, train_loss: 0.2359, step time: 1.3974
    Batch 14/248, train_loss: 0.0464, step time: 1.3956
    Batch 15/248, train_loss: 0.3224, step time: 1.3915
    Batch 16/248, train_loss: 0.1373, step time: 1.3819
    Batch 17/248, train_loss: 0.1971, step time: 1.4030
    Batch 18/248, train_loss: 0.2626, step time: 1.3577
    Batch 19/248, train_loss: 0.1456, step time: 1.3977
    Batch 20/248, train_loss: 0.1676, step time: 1.4107
    Batch 21/248, train_loss: 0.0456, step time: 1.3873
    Batch 22/248, train_loss: 0.2993, step time: 1.3705
    Batch 23/248, train_loss: 0.2776, step time: 1.3870
    Batch 24/248, train_loss: 0.0816, step time: 1.3720
    Batch 25/248, train_loss: 0.0495, step time: 1.3992
    Batch 26/248, train_loss: 0.3401, step time: 1.3838
    Batch 27/248, train_loss: 0.0601, step time: 1.3685
    Batch 28/248, train_loss: 0.1468, step time: 1.3895
    Batch 29/248, train_loss: 0.3213, step time: 1.4004
    Batch 30/248, train_loss: 0.1663, step time: 1.3671
    Batch 31/248, train_loss: 0.2694, step time: 1.3656
    Batch 32/248, train_loss: 0.0611, step time: 1.3551
    Batch 33/248, train_loss: 0.0696, step time: 1.3789
    Batch 34/248, train_loss: 0.0350, step time: 1.3803
    Batch 35/248, train_loss: 0.0375, step time: 1.3726
    Batch 36/248, train_loss: 0.3801, step time: 1.4021
    Batch 37/248, train_loss: 0.1494, step time: 1.3741
    Batch 38/248, train_loss: 0.2668, step time: 1.3675
    Batch 39/248, train_loss: 0.1531, step time: 1.3647
    Batch 40/248, train_loss: 0.5218, step time: 1.3806
    Batch 41/248, train_loss: 0.1736, step time: 1.3912
    Batch 42/248, train_loss: 0.0712, step time: 1.3800
    Batch 43/248, train_loss: 0.0415, step time: 1.3694
    Batch 44/248, train_loss: 0.0849, step time: 1.3632
    Batch 45/248, train_loss: 0.3943, step time: 1.3662
    Batch 46/248, train_loss: 0.1248, step time: 1.3691
    Batch 47/248, train_loss: 0.0655, step time: 1.3929
    Batch 48/248, train_loss: 0.2021, step time: 1.4014
    Batch 49/248, train_loss: 0.4698, step time: 1.3627
    Batch 50/248, train_loss: 0.1141, step time: 1.3708
    Batch 51/248, train_loss: 0.1487, step time: 1.4048
    Batch 52/248, train_loss: 0.1166, step time: 1.4019
    Batch 53/248, train_loss: 0.3473, step time: 1.4029
    Batch 54/248, train_loss: 0.2086, step time: 1.3902
    Batch 55/248, train_loss: 0.2200, step time: 1.3663
    Batch 56/248, train_loss: 0.1550, step time: 1.3707
    Batch 57/248, train_loss: 0.2308, step time: 1.3967
    Batch 58/248, train_loss: 0.0695, step time: 1.3883
    Batch 59/248, train_loss: 0.0989, step time: 1.3687
    Batch 60/248, train_loss: 0.0504, step time: 1.3573
    Batch 61/248, train_loss: 0.0719, step time: 1.3717
    Batch 62/248, train_loss: 0.1879, step time: 1.3726
    Batch 63/248, train_loss: 0.3799, step time: 1.3771
    Batch 64/248, train_loss: 0.3559, step time: 1.4076
    Batch 65/248, train_loss: 0.2313, step time: 1.3734
    Batch 66/248, train_loss: 0.0959, step time: 1.3950
    Batch 67/248, train_loss: 0.0611, step time: 1.3547
    Batch 68/248, train_loss: 0.1033, step time: 1.3785
    Batch 69/248, train_loss: 0.3442, step time: 1.4098
```

Batch 70/248, train_loss: 0.1701, step time: 1.3732
Batch 71/248, train_loss: 0.1291, step time: 1.4057
Batch 72/248, train_loss: 0.0421, step time: 1.3732
Batch 73/248, train_loss: 0.0883, step time: 1.3812
Batch 74/248, train_loss: 0.3188, step time: 1.3834
Batch 75/248, train_loss: 0.0896, step time: 1.3583
Batch 76/248, train_loss: 0.4196, step time: 1.3875
Batch 77/248, train_loss: 0.7008, step time: 1.3770
Batch 78/248, train_loss: 0.1144, step time: 1.3661
Batch 79/248, train_loss: 0.1239, step time: 1.3762
Batch 80/248, train_loss: 0.1630, step time: 1.3661
Batch 81/248, train_loss: 0.1191, step time: 1.4134
Batch 82/248, train_loss: 0.0739, step time: 1.4008
Batch 83/248, train_loss: 0.4904, step time: 1.3717
Batch 84/248, train_loss: 0.1880, step time: 1.3847
Batch 85/248, train_loss: 0.3393, step time: 1.3704
Batch 86/248, train_loss: 0.1910, step time: 1.3818
Batch 87/248, train_loss: 0.7048, step time: 1.3607
Batch 88/248, train_loss: 0.2896, step time: 1.3919
Batch 89/248, train_loss: 0.0622, step time: 1.3773
Batch 90/248, train_loss: 0.1824, step time: 1.3877
Batch 91/248, train_loss: 0.3006, step time: 1.3864
Batch 92/248, train_loss: 0.6357, step time: 1.3730
Batch 93/248, train_loss: 0.1366, step time: 1.4020
Batch 94/248, train_loss: 0.1882, step time: 1.3983
Batch 95/248, train_loss: 0.1537, step time: 1.3571
Batch 96/248, train_loss: 0.1035, step time: 1.3664
Batch 97/248, train_loss: 0.4537, step time: 1.3987
Batch 98/248, train_loss: 0.1201, step time: 1.3596
Batch 99/248, train_loss: 0.2871, step time: 1.4059
Batch 100/248, train_loss: 0.2025, step time: 1.4079
Batch 101/248, train_loss: 0.0388, step time: 1.3858
Batch 102/248, train_loss: 0.0853, step time: 1.3756
Batch 103/248, train_loss: 0.2652, step time: 1.3683
Batch 104/248, train_loss: 0.2423, step time: 1.3664
Batch 105/248, train_loss: 0.0789, step time: 1.3781
Batch 106/248, train_loss: 0.1128, step time: 1.3786
Batch 107/248, train_loss: 0.2386, step time: 1.3689
Batch 108/248, train_loss: 0.5552, step time: 1.3985
Batch 109/248, train_loss: 0.6676, step time: 1.3725
Batch 110/248, train_loss: 0.4087, step time: 1.3708
Batch 111/248, train_loss: 0.1271, step time: 1.3771
Batch 112/248, train_loss: 0.1247, step time: 1.3674
Batch 113/248, train_loss: 0.4449, step time: 1.3853
Batch 114/248, train_loss: 0.1024, step time: 1.3869
Batch 115/248, train_loss: 0.1109, step time: 1.3790
Batch 116/248, train_loss: 0.0543, step time: 1.3910
Batch 117/248, train_loss: 0.4204, step time: 1.3930
Batch 118/248, train_loss: 0.1428, step time: 1.3674
Batch 119/248, train_loss: 0.2631, step time: 1.3882
Batch 120/248, train_loss: 0.2514, step time: 1.3764
Batch 121/248, train_loss: 0.2599, step time: 1.3766
Batch 122/248, train_loss: 0.4047, step time: 1.3832
Batch 123/248, train_loss: 0.0475, step time: 1.3679
Batch 124/248, train_loss: 0.3021, step time: 1.3777
Batch 125/248, train_loss: 0.5095, step time: 1.3926
Batch 126/248, train_loss: 0.1737, step time: 1.4002
Batch 127/248, train_loss: 0.1026, step time: 1.3773
Batch 128/248, train_loss: 0.1099, step time: 1.3739
Batch 129/248, train_loss: 0.0797, step time: 1.3708
Batch 130/248, train_loss: 0.0706, step time: 1.3558
Batch 131/248, train_loss: 0.3847, step time: 1.3838
Batch 132/248, train_loss: 0.1538, step time: 1.4041
Batch 133/248, train_loss: 0.0594, step time: 1.4022
Batch 134/248, train_loss: 0.8251, step time: 1.4177
Batch 135/248, train_loss: 0.1587, step time: 1.3735
Batch 136/248, train_loss: 0.1380, step time: 1.4005
Batch 137/248, train_loss: 0.1133, step time: 1.3648
Batch 138/248, train_loss: 0.0629, step time: 1.3709
Batch 139/248, train_loss: 0.1398, step time: 1.3856
Batch 140/248, train_loss: 0.1680, step time: 1.3688
Batch 141/248, train_loss: 0.0968, step time: 1.3789
Batch 142/248, train_loss: 0.4723, step time: 1.3804
Batch 143/248, train_loss: 0.1979, step time: 1.3694
Batch 144/248, train_loss: 0.1175, step time: 1.3893
Batch 145/248, train_loss: 0.0529, step time: 1.3844
Batch 146/248, train_loss: 0.4014, step time: 1.3800
Batch 147/248, train_loss: 0.0418, step time: 1.3942
Batch 148/248, train_loss: 0.4791, step time: 1.3616
Batch 149/248, train_loss: 0.1042, step time: 1.4001
Batch 150/248, train_loss: 0.3157, step time: 1.3850
Batch 151/248, train_loss: 0.1711, step time: 1.3653
Batch 152/248, train_loss: 0.0323, step time: 1.3587
Batch 153/248, train_loss: 0.2040, step time: 1.3797
Batch 154/248, train_loss: 0.5074, step time: 1.3948

Batch 155/248, train_loss: 0.0919, step time: 1.3619
Batch 156/248, train_loss: 0.1300, step time: 1.3607
Batch 157/248, train_loss: 0.3253, step time: 1.3750
Batch 158/248, train_loss: 0.8724, step time: 1.3448
Batch 159/248, train_loss: 0.3512, step time: 1.3631
Batch 160/248, train_loss: 0.0972, step time: 1.3653
Batch 161/248, train_loss: 0.0639, step time: 1.3614
Batch 162/248, train_loss: 0.0723, step time: 1.3716
Batch 163/248, train_loss: 0.1016, step time: 1.3481
Batch 164/248, train_loss: 0.2007, step time: 1.3462
Batch 165/248, train_loss: 0.4102, step time: 1.3384
Batch 166/248, train_loss: 0.0858, step time: 1.3566
Batch 167/248, train_loss: 0.1409, step time: 1.3540
Batch 168/248, train_loss: 0.1215, step time: 1.3393
Batch 169/248, train_loss: 0.0769, step time: 1.3461
Batch 170/248, train_loss: 0.4370, step time: 1.3355
Batch 171/248, train_loss: 0.0769, step time: 1.3558
Batch 172/248, train_loss: 0.5154, step time: 1.3374
Batch 173/248, train_loss: 0.0655, step time: 1.3576
Batch 174/248, train_loss: 0.3261, step time: 1.3612
Batch 175/248, train_loss: 0.0838, step time: 1.3455
Batch 176/248, train_loss: 0.3191, step time: 1.3517
Batch 177/248, train_loss: 0.2413, step time: 1.3240
Batch 178/248, train_loss: 0.1672, step time: 1.3620
Batch 179/248, train_loss: 0.0671, step time: 1.3379
Batch 180/248, train_loss: 0.6107, step time: 1.3613
Batch 181/248, train_loss: 0.0773, step time: 1.3246
Batch 182/248, train_loss: 0.8455, step time: 1.3419
Batch 183/248, train_loss: 0.0810, step time: 1.3524
Batch 184/248, train_loss: 0.1926, step time: 1.3592
Batch 185/248, train_loss: 0.0751, step time: 1.3434
Batch 186/248, train_loss: 0.0680, step time: 1.3365
Batch 187/248, train_loss: 0.1811, step time: 1.3546
Batch 188/248, train_loss: 0.1700, step time: 1.3423
Batch 189/248, train_loss: 0.4562, step time: 1.3498
Batch 190/248, train_loss: 0.0912, step time: 1.3182
Batch 191/248, train_loss: 0.6253, step time: 1.3435
Batch 192/248, train_loss: 0.2386, step time: 1.3234
Batch 193/248, train_loss: 0.2224, step time: 1.3274
Batch 194/248, train_loss: 0.0687, step time: 1.3270
Batch 195/248, train_loss: 0.5606, step time: 1.3383
Batch 196/248, train_loss: 0.5729, step time: 1.3387
Batch 197/248, train_loss: 0.1840, step time: 1.3319
Batch 198/248, train_loss: 0.4747, step time: 1.3484
Batch 199/248, train_loss: 0.1513, step time: 1.3437
Batch 200/248, train_loss: 0.1056, step time: 1.3277
Batch 201/248, train_loss: 0.1191, step time: 1.3411
Batch 202/248, train_loss: 0.5489, step time: 1.3254
Batch 203/248, train_loss: 0.3163, step time: 1.3460
Batch 204/248, train_loss: 0.0729, step time: 1.3417
Batch 205/248, train_loss: 0.2381, step time: 1.3529
Batch 206/248, train_loss: 0.6360, step time: 1.3548
Batch 207/248, train_loss: 0.0566, step time: 1.3224
Batch 208/248, train_loss: 0.1068, step time: 1.3190
Batch 209/248, train_loss: 0.1335, step time: 1.3487
Batch 210/248, train_loss: 0.0567, step time: 1.3371
Batch 211/248, train_loss: 0.0611, step time: 1.3395
Batch 212/248, train_loss: 0.1782, step time: 1.3300
Batch 213/248, train_loss: 0.1650, step time: 1.3503
Batch 214/248, train_loss: 0.0673, step time: 1.3101
Batch 215/248, train_loss: 0.3346, step time: 1.3413
Batch 216/248, train_loss: 0.2043, step time: 1.3318
Batch 217/248, train_loss: 0.6411, step time: 1.3245
Batch 218/248, train_loss: 0.7213, step time: 1.3302
Batch 219/248, train_loss: 0.0698, step time: 1.3083
Batch 220/248, train_loss: 0.1813, step time: 1.3177
Batch 221/248, train_loss: 0.2558, step time: 1.3321
Batch 222/248, train_loss: 0.2550, step time: 1.3482
Batch 223/248, train_loss: 0.0424, step time: 1.3144
Batch 224/248, train_loss: 0.0747, step time: 1.3175
Batch 225/248, train_loss: 0.2312, step time: 1.3309
Batch 226/248, train_loss: 0.1079, step time: 1.3449
Batch 227/248, train_loss: 0.0862, step time: 1.3300
Batch 228/248, train_loss: 0.1385, step time: 1.3397
Batch 229/248, train_loss: 0.0828, step time: 1.3180
Batch 230/248, train_loss: 0.0647, step time: 1.3376
Batch 231/248, train_loss: 0.2813, step time: 1.3489
Batch 232/248, train_loss: 0.0842, step time: 1.3181
Batch 233/248, train_loss: 0.8704, step time: 1.3457
Batch 234/248, train_loss: 0.3934, step time: 1.3390
Batch 235/248, train_loss: 0.1844, step time: 1.3224
Batch 236/248, train_loss: 0.7267, step time: 1.3365
Batch 237/248, train_loss: 0.1190, step time: 1.3324
Batch 238/248, train_loss: 0.0881, step time: 1.3196
Batch 239/248, train_loss: 0.2502, step time: 1.3212

```
Batch 229/248, train_loss: 0.4527, step time: 1.3249
Batch 240/248, train_loss: 0.2874, step time: 1.3345
Batch 241/248, train_loss: 0.5707, step time: 1.3242
Batch 242/248, train_loss: 0.1499, step time: 1.3281
Batch 243/248, train_loss: 0.4892, step time: 1.3611
Batch 244/248, train_loss: 0.3885, step time: 1.3421
Batch 245/248, train_loss: 0.0667, step time: 1.3128
Batch 246/248, train_loss: 0.4916, step time: 1.3200
Batch 247/248, train_loss: 0.0653, step time: 1.3321
Batch 248/248, train_loss: 0.9996, step time: 1.3072
```

Labels



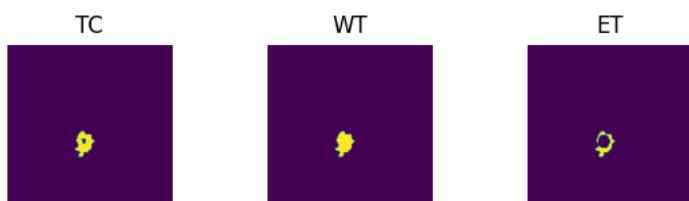
Predictions



VAL

```
Batch 1/31, val_loss: 0.8295
Batch 2/31, val_loss: 0.9894
Batch 3/31, val_loss: 0.9601
Batch 4/31, val_loss: 0.9326
Batch 5/31, val_loss: 0.9907
Batch 6/31, val_loss: 0.6782
Batch 7/31, val_loss: 0.8199
Batch 8/31, val_loss: 0.9325
Batch 9/31, val_loss: 0.6845
Batch 10/31, val_loss: 0.9078
Batch 11/31, val_loss: 0.8128
Batch 12/31, val_loss: 0.9702
Batch 13/31, val_loss: 0.9973
Batch 14/31, val_loss: 0.9324
Batch 15/31, val_loss: 0.9842
Batch 16/31, val_loss: 0.9718
Batch 17/31, val_loss: 0.9648
Batch 18/31, val_loss: 0.9290
Batch 19/31, val_loss: 0.7323
Batch 20/31, val_loss: 0.8441
Batch 21/31, val_loss: 0.8734
Batch 22/31, val_loss: 0.9531
Batch 23/31, val_loss: 0.9676
Batch 24/31, val_loss: 0.7303
Batch 25/31, val_loss: 0.7989
Batch 26/31, val_loss: 0.9198
Batch 27/31, val_loss: 0.9716
Batch 28/31, val_loss: 0.7452
Batch 29/31, val_loss: 0.9817
Batch 30/31, val_loss: 0.9573
Batch 31/31, val_loss: 0.9726
```

Labels



Predictions





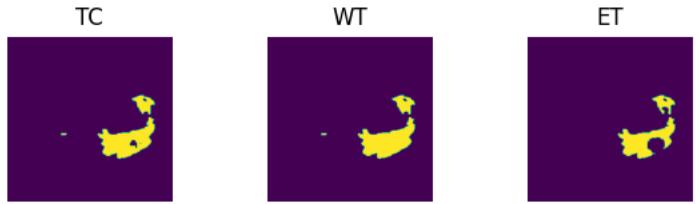
```
epoch 85
    average train loss: 0.2342
    average validation loss: 0.8947
    saved as best model: False
    current mean dice: 0.6029
    current TC dice: 0.6312
    current WT dice: 0.6411
    current ET dice: 0.5764
Best Mean Metric: 0.6427
time consuming of epoch 85 is: 1705.3301
-----
epoch 86/100
TRAIN
    Batch 1/248, train_loss: 0.0639, step time: 1.3897
    Batch 2/248, train_loss: 0.6984, step time: 1.3262
    Batch 3/248, train_loss: 0.3625, step time: 1.3244
    Batch 4/248, train_loss: 0.9463, step time: 1.3300
    Batch 5/248, train_loss: 0.2386, step time: 1.3252
    Batch 6/248, train_loss: 0.2040, step time: 1.3186
    Batch 7/248, train_loss: 0.0541, step time: 1.3444
    Batch 8/248, train_loss: 0.5481, step time: 1.3235
    Batch 9/248, train_loss: 0.0364, step time: 1.3331
    Batch 10/248, train_loss: 0.2133, step time: 1.3275
    Batch 11/248, train_loss: 0.1600, step time: 1.3230
    Batch 12/248, train_loss: 0.3264, step time: 1.3294
    Batch 13/248, train_loss: 0.2387, step time: 1.3308
    Batch 14/248, train_loss: 0.0520, step time: 1.3201
    Batch 15/248, train_loss: 0.2790, step time: 1.3232
    Batch 16/248, train_loss: 0.1420, step time: 1.3385
    Batch 17/248, train_loss: 0.2031, step time: 1.3555
    Batch 18/248, train_loss: 0.2546, step time: 1.3131
    Batch 19/248, train_loss: 0.1169, step time: 1.3182
    Batch 20/248, train_loss: 0.0703, step time: 1.3249
    Batch 21/248, train_loss: 0.0381, step time: 1.3285
    Batch 22/248, train_loss: 0.4033, step time: 1.3386
    Batch 23/248, train_loss: 0.3813, step time: 1.3246
    Batch 24/248, train_loss: 0.0740, step time: 1.3171
    Batch 25/248, train_loss: 0.0482, step time: 1.3364
    Batch 26/248, train_loss: 0.3846, step time: 1.3228
    Batch 27/248, train_loss: 0.0689, step time: 1.3277
    Batch 28/248, train_loss: 0.1777, step time: 1.3127
    Batch 29/248, train_loss: 0.3431, step time: 1.3523
    Batch 30/248, train_loss: 0.4424, step time: 1.3497
    Batch 31/248, train_loss: 0.3271, step time: 1.3397
    Batch 32/248, train_loss: 0.0569, step time: 1.3341
    Batch 33/248, train_loss: 0.0617, step time: 1.3086
    Batch 34/248, train_loss: 0.0385, step time: 1.3352
    Batch 35/248, train_loss: 0.0522, step time: 1.3461
    Batch 36/248, train_loss: 0.3926, step time: 1.3402
    Batch 37/248, train_loss: 0.1153, step time: 1.3198
    Batch 38/248, train_loss: 0.2779, step time: 1.3292
    Batch 39/248, train_loss: 0.1543, step time: 1.3528
    Batch 40/248, train_loss: 0.5600, step time: 1.3485
    Batch 41/248, train_loss: 0.1471, step time: 1.3266
    Batch 42/248, train_loss: 0.0706, step time: 1.3439
    Batch 43/248, train_loss: 0.0456, step time: 1.3159
    Batch 44/248, train_loss: 0.1075, step time: 1.3379
    Batch 45/248, train_loss: 0.5791, step time: 1.3499
    Batch 46/248, train_loss: 0.1418, step time: 1.3225
    Batch 47/248, train_loss: 0.0734, step time: 1.3333
    Batch 48/248, train_loss: 0.1878, step time: 1.3506
    Batch 49/248, train_loss: 0.4342, step time: 1.3113
    Batch 50/248, train_loss: 0.1184, step time: 1.3146
    Batch 51/248, train_loss: 0.1249, step time: 1.3236
    Batch 52/248, train_loss: 0.1104, step time: 1.3427
    Batch 53/248, train_loss: 0.3535, step time: 1.3474
    Batch 54/248, train_loss: 0.2276, step time: 1.3273
    Batch 55/248, train_loss: 0.2342, step time: 1.3269
    Batch 56/248, train_loss: 0.1433, step time: 1.3338
    Batch 57/248, train_loss: 0.2408, step time: 1.3309
    Batch 58/248, train_loss: 0.0598, step time: 1.3298
    Batch 59/248, train_loss: 0.0721, step time: 1.3037
    Batch 60/248, train_loss: 0.0508, step time: 1.3416
    Batch 61/248, train_loss: 0.0649, step time: 1.3091
    Batch 62/248, train_loss: 0.2037, step time: 1.3588
    Batch 63/248, train_loss: 0.4060, step time: 1.3399
    Batch 64/248, train_loss: 0.4143, step time: 1.3363
    Batch 65/248, train_loss: 0.2430, step time: 1.3385
    Batch 66/248, train_loss: 0.0952, step time: 1.3355
    Batch 67/248, train_loss: 0.0617, step time: 1.3135
    Batch 68/248, train_loss: 0.1330, step time: 1.3374
    Batch 69/248, train_loss: 0.3367, step time: 1.3557
```

Batch 55/248, train_loss: 0.1705, step time: 1.3007
Batch 56/248, train_loss: 0.1763, step time: 1.3457
Batch 57/248, train_loss: 0.1138, step time: 1.3264
Batch 58/248, train_loss: 0.0537, step time: 1.3086
Batch 59/248, train_loss: 0.1398, step time: 1.3457
Batch 60/248, train_loss: 0.2997, step time: 1.3402
Batch 61/248, train_loss: 0.0904, step time: 1.3320
Batch 62/248, train_loss: 0.5263, step time: 1.3429
Batch 63/248, train_loss: 0.7849, step time: 1.3362
Batch 64/248, train_loss: 0.0812, step time: 1.3162
Batch 65/248, train_loss: 0.1093, step time: 1.3252
Batch 66/248, train_loss: 0.1661, step time: 1.3073
Batch 67/248, train_loss: 0.1136, step time: 1.3097
Batch 68/248, train_loss: 0.0866, step time: 1.3476
Batch 69/248, train_loss: 0.5160, step time: 1.3397
Batch 70/248, train_loss: 0.2473, step time: 1.3281
Batch 71/248, train_loss: 0.4438, step time: 1.3535
Batch 72/248, train_loss: 0.2623, step time: 1.3296
Batch 73/248, train_loss: 0.8163, step time: 1.3500
Batch 74/248, train_loss: 0.3056, step time: 1.3326
Batch 75/248, train_loss: 0.0578, step time: 1.3186
Batch 76/248, train_loss: 0.2105, step time: 1.3173
Batch 77/248, train_loss: 0.3460, step time: 1.3320
Batch 78/248, train_loss: 0.7936, step time: 1.3342
Batch 79/248, train_loss: 0.1382, step time: 1.3358
Batch 80/248, train_loss: 0.2373, step time: 1.3449
Batch 81/248, train_loss: 0.1563, step time: 1.3415
Batch 82/248, train_loss: 0.1376, step time: 1.3348
Batch 83/248, train_loss: 0.5153, step time: 1.3288
Batch 84/248, train_loss: 0.2286, step time: 1.3498
Batch 85/248, train_loss: 0.3641, step time: 1.3259
Batch 86/248, train_loss: 0.2377, step time: 1.3483
Batch 87/248, train_loss: 0.0457, step time: 1.3069
Batch 88/248, train_loss: 0.0931, step time: 1.3230
Batch 89/248, train_loss: 0.2757, step time: 1.3297
Batch 90/248, train_loss: 0.2763, step time: 1.3122
Batch 91/248, train_loss: 0.0782, step time: 1.3361
Batch 92/248, train_loss: 0.1403, step time: 1.3438
Batch 93/248, train_loss: 0.2367, step time: 1.3450
Batch 94/248, train_loss: 0.6221, step time: 1.3109
Batch 95/248, train_loss: 0.9767, step time: 1.3202
Batch 96/248, train_loss: 0.2493, step time: 1.3133
Batch 97/248, train_loss: 0.0831, step time: 1.3346
Batch 98/248, train_loss: 0.1039, step time: 1.3296
Batch 99/248, train_loss: 0.4876, step time: 1.3233
Batch 100/248, train_loss: 0.1237, step time: 1.3212
Batch 101/248, train_loss: 0.1255, step time: 1.3148
Batch 102/248, train_loss: 0.0662, step time: 1.3295
Batch 103/248, train_loss: 0.7555, step time: 1.3308
Batch 104/248, train_loss: 0.2041, step time: 1.3290
Batch 105/248, train_loss: 0.2339, step time: 1.3488
Batch 106/248, train_loss: 0.2282, step time: 1.3262
Batch 107/248, train_loss: 0.2590, step time: 1.3481
Batch 108/248, train_loss: 0.4011, step time: 1.3248
Batch 109/248, train_loss: 0.0453, step time: 1.3477
Batch 110/248, train_loss: 0.2422, step time: 1.3512
Batch 111/248, train_loss: 0.4332, step time: 1.3339
Batch 112/248, train_loss: 0.2588, step time: 1.3245
Batch 113/248, train_loss: 0.1025, step time: 1.3093
Batch 114/248, train_loss: 0.1203, step time: 1.3556
Batch 115/248, train_loss: 0.0819, step time: 1.3445
Batch 116/248, train_loss: 0.0721, step time: 1.3171
Batch 117/248, train_loss: 0.3797, step time: 1.3159
Batch 118/248, train_loss: 0.1739, step time: 1.3326
Batch 119/248, train_loss: 0.1846, step time: 1.3231
Batch 120/248, train_loss: 0.7106, step time: 1.3245
Batch 121/248, train_loss: 0.1590, step time: 1.3289
Batch 122/248, train_loss: 0.0938, step time: 1.3325
Batch 123/248, train_loss: 0.1329, step time: 1.3291
Batch 124/248, train_loss: 0.0618, step time: 1.3161
Batch 125/248, train_loss: 0.1251, step time: 1.3310
Batch 126/248, train_loss: 0.2739, step time: 1.3482
Batch 127/248, train_loss: 0.1026, step time: 1.3323
Batch 128/248, train_loss: 0.5104, step time: 1.3173
Batch 129/248, train_loss: 0.1770, step time: 1.3299
Batch 130/248, train_loss: 0.1256, step time: 1.3304
Batch 131/248, train_loss: 0.0591, step time: 1.3507
Batch 132/248, train_loss: 0.2787, step time: 1.3252
Batch 133/248, train_loss: 0.1155, step time: 1.3414
Batch 134/248, train_loss: 0.5364, step time: 1.3314
Batch 135/248, train_loss: 0.1323, step time: 1.3237
Batch 136/248, train_loss: 0.5585, step time: 1.3309
Batch 137/248, train_loss: 0.2185, step time: 1.3503
Batch 138/248, train_loss: 0.0405, step time: 1.3367
Batch 139/248, train_loss: 0.2152, step time: 1.3448

Batch 154/248, train_loss: 0.4846, step time: 1.3166
Batch 155/248, train_loss: 0.1367, step time: 1.3353
Batch 156/248, train_loss: 0.1268, step time: 1.3449
Batch 157/248, train_loss: 0.2696, step time: 1.3430
Batch 158/248, train_loss: 0.8363, step time: 1.3389
Batch 159/248, train_loss: 0.3007, step time: 1.3229
Batch 160/248, train_loss: 0.1019, step time: 1.3399
Batch 161/248, train_loss: 0.0680, step time: 1.3368
Batch 162/248, train_loss: 0.0518, step time: 1.3364
Batch 163/248, train_loss: 0.1175, step time: 1.3243
Batch 164/248, train_loss: 0.2782, step time: 1.3401
Batch 165/248, train_loss: 0.3941, step time: 1.3264
Batch 166/248, train_loss: 0.0753, step time: 1.3379
Batch 167/248, train_loss: 0.1318, step time: 1.3334
Batch 168/248, train_loss: 0.1268, step time: 1.3350
Batch 169/248, train_loss: 0.0902, step time: 1.3244
Batch 170/248, train_loss: 0.4758, step time: 1.3315
Batch 171/248, train_loss: 0.0863, step time: 1.3280
Batch 172/248, train_loss: 0.3193, step time: 1.3454
Batch 173/248, train_loss: 0.1024, step time: 1.3359
Batch 174/248, train_loss: 0.8038, step time: 1.3298
Batch 175/248, train_loss: 0.0880, step time: 1.3158
Batch 176/248, train_loss: 0.3479, step time: 1.3485
Batch 177/248, train_loss: 0.2006, step time: 1.3490
Batch 178/248, train_loss: 0.1970, step time: 1.3490
Batch 179/248, train_loss: 0.0676, step time: 1.3169
Batch 180/248, train_loss: 0.3439, step time: 1.3125
Batch 181/248, train_loss: 0.1113, step time: 1.3197
Batch 182/248, train_loss: 0.8213, step time: 1.3262
Batch 183/248, train_loss: 0.0704, step time: 1.3282
Batch 184/248, train_loss: 0.1964, step time: 1.3145
Batch 185/248, train_loss: 0.0724, step time: 1.3230
Batch 186/248, train_loss: 0.0678, step time: 1.3340
Batch 187/248, train_loss: 0.1604, step time: 1.3419
Batch 188/248, train_loss: 0.1843, step time: 1.3336
Batch 189/248, train_loss: 0.4208, step time: 1.3240
Batch 190/248, train_loss: 0.0979, step time: 1.3061
Batch 191/248, train_loss: 0.6869, step time: 1.3384
Batch 192/248, train_loss: 0.2517, step time: 1.3388
Batch 193/248, train_loss: 0.2066, step time: 1.3428
Batch 194/248, train_loss: 0.0757, step time: 1.3185
Batch 195/248, train_loss: 0.5825, step time: 1.3341
Batch 196/248, train_loss: 0.6203, step time: 1.3384
Batch 197/248, train_loss: 0.1439, step time: 1.3171
Batch 198/248, train_loss: 0.4161, step time: 1.3403
Batch 199/248, train_loss: 0.1343, step time: 1.3322
Batch 200/248, train_loss: 0.1088, step time: 1.3336
Batch 201/248, train_loss: 0.1063, step time: 1.3319
Batch 202/248, train_loss: 0.4675, step time: 1.3592
Batch 203/248, train_loss: 0.3304, step time: 1.3596
Batch 204/248, train_loss: 0.1797, step time: 1.3489
Batch 205/248, train_loss: 0.2414, step time: 1.3513
Batch 206/248, train_loss: 0.4276, step time: 1.3591
Batch 207/248, train_loss: 0.0659, step time: 1.3456
Batch 208/248, train_loss: 0.3055, step time: 1.3526
Batch 209/248, train_loss: 0.1064, step time: 1.3508
Batch 210/248, train_loss: 0.0568, step time: 1.3572
Batch 211/248, train_loss: 0.0588, step time: 1.3639
Batch 212/248, train_loss: 0.1695, step time: 1.3580
Batch 213/248, train_loss: 0.1557, step time: 1.3768
Batch 214/248, train_loss: 0.0695, step time: 1.3666
Batch 215/248, train_loss: 0.2902, step time: 1.3874
Batch 216/248, train_loss: 0.2019, step time: 1.3665
Batch 217/248, train_loss: 0.2674, step time: 1.3959
Batch 218/248, train_loss: 0.7887, step time: 1.3596
Batch 219/248, train_loss: 0.0524, step time: 1.3661
Batch 220/248, train_loss: 0.2018, step time: 1.3678
Batch 221/248, train_loss: 0.2736, step time: 1.3944
Batch 222/248, train_loss: 0.4256, step time: 1.3765
Batch 223/248, train_loss: 0.0456, step time: 1.3982
Batch 224/248, train_loss: 0.0698, step time: 1.3663
Batch 225/248, train_loss: 0.1486, step time: 1.3833
Batch 226/248, train_loss: 0.3341, step time: 1.3811
Batch 227/248, train_loss: 0.1267, step time: 1.3909
Batch 228/248, train_loss: 0.1952, step time: 1.3719
Batch 229/248, train_loss: 0.0898, step time: 1.3539
Batch 230/248, train_loss: 0.0596, step time: 1.3541
Batch 231/248, train_loss: 0.6353, step time: 1.4021
Batch 232/248, train_loss: 0.0897, step time: 1.3703
Batch 233/248, train_loss: 0.9419, step time: 1.3863
Batch 234/248, train_loss: 0.3823, step time: 1.3906
Batch 235/248, train_loss: 0.2019, step time: 1.3956
Batch 236/248, train_loss: 0.7153, step time: 1.3857
Batch 237/248, train_loss: 0.1301, step time: 1.3561
Batch 238/248, train_loss: 0.0825, step time: 1.3769

```
Batch 239/248, train_loss: 0.0719, step time: 1.3700
Batch 240/248, train_loss: 0.3410, step time: 1.3690
Batch 241/248, train_loss: 0.4748, step time: 1.4014
Batch 242/248, train_loss: 0.1530, step time: 1.3910
Batch 243/248, train_loss: 0.4839, step time: 1.3989
Batch 244/248, train_loss: 0.3526, step time: 1.3622
Batch 245/248, train_loss: 0.0733, step time: 1.3885
Batch 246/248, train_loss: 0.5430, step time: 1.4067
Batch 247/248, train_loss: 0.0871, step time: 1.3643
Batch 248/248, train_loss: 0.9997, step time: 1.3824
```

Labels



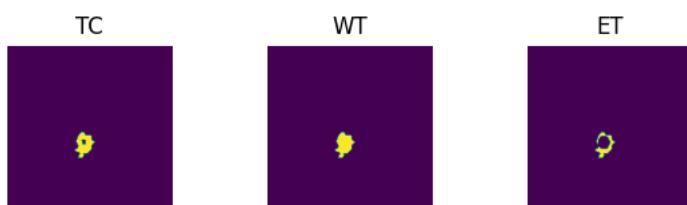
Predictions



VAL

```
Batch 1/31, val_loss: 0.8438
Batch 2/31, val_loss: 0.9898
Batch 3/31, val_loss: 0.9607
Batch 4/31, val_loss: 0.9378
Batch 5/31, val_loss: 0.9909
Batch 6/31, val_loss: 0.7118
Batch 7/31, val_loss: 0.8175
Batch 8/31, val_loss: 0.9490
Batch 9/31, val_loss: 0.6971
Batch 10/31, val_loss: 0.9045
Batch 11/31, val_loss: 0.8210
Batch 12/31, val_loss: 0.9725
Batch 13/31, val_loss: 0.9605
Batch 14/31, val_loss: 0.9393
Batch 15/31, val_loss: 0.9844
Batch 16/31, val_loss: 0.9695
Batch 17/31, val_loss: 0.9649
Batch 18/31, val_loss: 0.9302
Batch 19/31, val_loss: 0.7384
Batch 20/31, val_loss: 0.8694
Batch 21/31, val_loss: 0.8788
Batch 22/31, val_loss: 0.9548
Batch 23/31, val_loss: 0.9678
Batch 24/31, val_loss: 0.7357
Batch 25/31, val_loss: 0.7950
Batch 26/31, val_loss: 0.9259
Batch 27/31, val_loss: 0.9770
Batch 28/31, val_loss: 0.7429
Batch 29/31, val_loss: 0.9813
Batch 30/31, val_loss: 0.9628
Batch 31/31, val_loss: 0.9720
```

Labels



Predictions





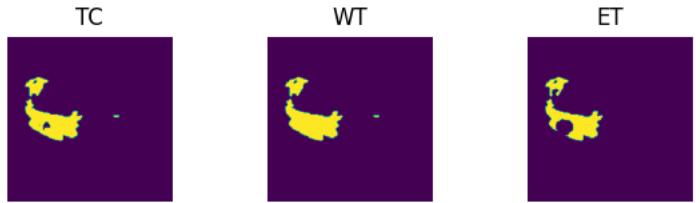
```
epoch 86
    average train loss: 0.2490
    average validation loss: 0.8983
    saved as best model: False
    current mean dice: 0.6213
    current TC dice: 0.6600
    current WT dice: 0.6675
    current ET dice: 0.5714
Best Mean Metric: 0.6427
time consuming of epoch 86 is: 1678.4458
-----
epoch 87/100
TRAIN
Batch 1/248, train_loss: 0.0654, step time: 1.4528
Batch 2/248, train_loss: 0.6893, step time: 1.3786
Batch 3/248, train_loss: 0.2700, step time: 1.3992
Batch 4/248, train_loss: 0.9369, step time: 1.3645
Batch 5/248, train_loss: 0.2316, step time: 1.3678
Batch 6/248, train_loss: 0.2181, step time: 1.3813
Batch 7/248, train_loss: 0.0754, step time: 1.3913
Batch 8/248, train_loss: 0.6328, step time: 1.3945
Batch 9/248, train_loss: 0.0459, step time: 1.3851
Batch 10/248, train_loss: 0.2908, step time: 1.3835
Batch 11/248, train_loss: 0.1613, step time: 1.4038
Batch 12/248, train_loss: 0.3016, step time: 1.3866
Batch 13/248, train_loss: 0.2610, step time: 1.3858
Batch 14/248, train_loss: 0.0641, step time: 1.3759
Batch 15/248, train_loss: 0.3009, step time: 1.3871
Batch 16/248, train_loss: 0.1555, step time: 1.3627
Batch 17/248, train_loss: 0.2149, step time: 1.3987
Batch 18/248, train_loss: 0.2490, step time: 1.3969
Batch 19/248, train_loss: 0.2719, step time: 1.3707
Batch 20/248, train_loss: 0.0699, step time: 1.3843
Batch 21/248, train_loss: 0.0421, step time: 1.3551
Batch 22/248, train_loss: 0.4859, step time: 1.3840
Batch 23/248, train_loss: 0.3156, step time: 1.3677
Batch 24/248, train_loss: 0.0841, step time: 1.3946
Batch 25/248, train_loss: 0.0539, step time: 1.3787
Batch 26/248, train_loss: 0.3838, step time: 1.3807
Batch 27/248, train_loss: 0.0717, step time: 1.3938
Batch 28/248, train_loss: 0.1433, step time: 1.4056
Batch 29/248, train_loss: 0.3495, step time: 1.3705
Batch 30/248, train_loss: 0.1859, step time: 1.3552
Batch 31/248, train_loss: 0.3894, step time: 1.3738
Batch 32/248, train_loss: 0.0748, step time: 1.3940
Batch 33/248, train_loss: 0.0799, step time: 1.3754
Batch 34/248, train_loss: 0.0519, step time: 1.3739
Batch 35/248, train_loss: 0.0625, step time: 1.3879
Batch 36/248, train_loss: 0.4048, step time: 1.3736
Batch 37/248, train_loss: 0.1274, step time: 1.3939
Batch 38/248, train_loss: 0.2669, step time: 1.3733
Batch 39/248, train_loss: 0.1191, step time: 1.3663
Batch 40/248, train_loss: 0.5243, step time: 1.3793
Batch 41/248, train_loss: 0.1519, step time: 1.3861
Batch 42/248, train_loss: 0.0730, step time: 1.3717
Batch 43/248, train_loss: 0.0753, step time: 1.3797
Batch 44/248, train_loss: 0.0905, step time: 1.3759
Batch 45/248, train_loss: 0.3946, step time: 1.3630
Batch 46/248, train_loss: 0.1403, step time: 1.3724
Batch 47/248, train_loss: 0.0658, step time: 1.3696
Batch 48/248, train_loss: 0.2101, step time: 1.3872
Batch 49/248, train_loss: 0.3731, step time: 1.3899
Batch 50/248, train_loss: 0.1051, step time: 1.3886
Batch 51/248, train_loss: 0.1213, step time: 1.3916
Batch 52/248, train_loss: 0.1145, step time: 1.4137
Batch 53/248, train_loss: 0.3215, step time: 1.4041
Batch 54/248, train_loss: 0.2258, step time: 1.3770
Batch 55/248, train_loss: 0.2300, step time: 1.3824
Batch 56/248, train_loss: 0.1435, step time: 1.3638
Batch 57/248, train_loss: 0.2140, step time: 1.3774
Batch 58/248, train_loss: 0.0630, step time: 1.3644
Batch 59/248, train_loss: 0.0683, step time: 1.3838
Batch 60/248, train_loss: 0.0533, step time: 1.3843
Batch 61/248, train_loss: 0.0700, step time: 1.3902
Batch 62/248, train_loss: 0.2069, step time: 1.3876
Batch 63/248, train_loss: 0.5925, step time: 1.4063
Batch 64/248, train_loss: 0.3790, step time: 1.3864
Batch 65/248, train_loss: 0.1939, step time: 1.3761
Batch 66/248, train_loss: 0.0949, step time: 1.3619
Batch 67/248, train_loss: 0.0702, step time: 1.3954
Batch 68/248, train_loss: 0.1018, step time: 1.3751
```

Batch 69/248, train_loss: 0.4060, step time: 1.4144
Batch 70/248, train_loss: 0.1596, step time: 1.3681
Batch 71/248, train_loss: 0.1165, step time: 1.3596
Batch 72/248, train_loss: 0.0444, step time: 1.3500
Batch 73/248, train_loss: 0.6034, step time: 1.3735
Batch 74/248, train_loss: 0.2872, step time: 1.4013
Batch 75/248, train_loss: 0.0907, step time: 1.3769
Batch 76/248, train_loss: 0.4529, step time: 1.3786
Batch 77/248, train_loss: 0.7055, step time: 1.3915
Batch 78/248, train_loss: 0.1006, step time: 1.3800
Batch 79/248, train_loss: 0.1222, step time: 1.3816
Batch 80/248, train_loss: 0.1904, step time: 1.3742
Batch 81/248, train_loss: 0.1582, step time: 1.3995
Batch 82/248, train_loss: 0.1029, step time: 1.3872
Batch 83/248, train_loss: 0.4937, step time: 1.3937
Batch 84/248, train_loss: 0.2474, step time: 1.3739
Batch 85/248, train_loss: 0.3954, step time: 1.3651
Batch 86/248, train_loss: 0.4253, step time: 1.3932
Batch 87/248, train_loss: 0.7446, step time: 1.3700
Batch 88/248, train_loss: 0.3201, step time: 1.4180
Batch 89/248, train_loss: 0.0857, step time: 1.3843
Batch 90/248, train_loss: 0.5067, step time: 1.3740
Batch 91/248, train_loss: 0.3120, step time: 1.3682
Batch 92/248, train_loss: 0.6709, step time: 1.3673
Batch 93/248, train_loss: 0.1620, step time: 1.3787
Batch 94/248, train_loss: 0.2075, step time: 1.3691
Batch 95/248, train_loss: 0.1806, step time: 1.3575
Batch 96/248, train_loss: 0.2211, step time: 1.3701
Batch 97/248, train_loss: 0.4327, step time: 1.3681
Batch 98/248, train_loss: 0.1021, step time: 1.3798
Batch 99/248, train_loss: 0.2782, step time: 1.3908
Batch 100/248, train_loss: 0.2112, step time: 1.3750
Batch 101/248, train_loss: 0.0436, step time: 1.3843
Batch 102/248, train_loss: 0.1425, step time: 1.3682
Batch 103/248, train_loss: 0.2591, step time: 1.3906
Batch 104/248, train_loss: 0.2905, step time: 1.3655
Batch 105/248, train_loss: 0.0857, step time: 1.3588
Batch 106/248, train_loss: 0.1032, step time: 1.4011
Batch 107/248, train_loss: 0.2504, step time: 1.3942
Batch 108/248, train_loss: 0.6363, step time: 1.3871
Batch 109/248, train_loss: 0.9814, step time: 1.3677
Batch 110/248, train_loss: 0.6193, step time: 1.4027
Batch 111/248, train_loss: 0.0836, step time: 1.3799
Batch 112/248, train_loss: 0.1222, step time: 1.3704
Batch 113/248, train_loss: 0.5158, step time: 1.4005
Batch 114/248, train_loss: 0.1045, step time: 1.3856
Batch 115/248, train_loss: 0.1056, step time: 1.3871
Batch 116/248, train_loss: 0.0868, step time: 1.3993
Batch 117/248, train_loss: 0.6767, step time: 1.3792
Batch 118/248, train_loss: 0.5858, step time: 1.3713
Batch 119/248, train_loss: 0.2637, step time: 1.3814
Batch 120/248, train_loss: 0.1776, step time: 1.3986
Batch 121/248, train_loss: 0.2924, step time: 1.4058
Batch 122/248, train_loss: 0.3897, step time: 1.3927
Batch 123/248, train_loss: 0.0514, step time: 1.3841
Batch 124/248, train_loss: 0.2566, step time: 1.4017
Batch 125/248, train_loss: 0.5285, step time: 1.3983
Batch 126/248, train_loss: 0.1784, step time: 1.3750
Batch 127/248, train_loss: 0.0943, step time: 1.3768
Batch 128/248, train_loss: 0.1289, step time: 1.3629
Batch 129/248, train_loss: 0.0729, step time: 1.3634
Batch 130/248, train_loss: 0.0799, step time: 1.3927
Batch 131/248, train_loss: 0.3954, step time: 1.3997
Batch 132/248, train_loss: 0.2021, step time: 1.3797
Batch 133/248, train_loss: 0.0824, step time: 1.3882
Batch 134/248, train_loss: 0.7918, step time: 1.3875
Batch 135/248, train_loss: 0.1775, step time: 1.3771
Batch 136/248, train_loss: 0.0997, step time: 1.3990
Batch 137/248, train_loss: 0.1091, step time: 1.3867
Batch 138/248, train_loss: 0.0760, step time: 1.3928
Batch 139/248, train_loss: 0.1606, step time: 1.3936
Batch 140/248, train_loss: 0.2499, step time: 1.4018
Batch 141/248, train_loss: 0.1140, step time: 1.3700
Batch 142/248, train_loss: 0.6091, step time: 1.4003
Batch 143/248, train_loss: 0.1874, step time: 1.3821
Batch 144/248, train_loss: 0.1351, step time: 1.3811
Batch 145/248, train_loss: 0.0549, step time: 1.3692
Batch 146/248, train_loss: 0.2465, step time: 1.4013
Batch 147/248, train_loss: 0.0411, step time: 1.3858
Batch 148/248, train_loss: 0.4997, step time: 1.4040
Batch 149/248, train_loss: 0.1163, step time: 1.3743
Batch 150/248, train_loss: 0.4379, step time: 1.3959
Batch 151/248, train_loss: 0.2685, step time: 1.3708
Batch 152/248, train_loss: 0.0372, step time: 1.3863
Batch 153/248, train_loss: 0.3910, step time: 1.4005

Batch 154/248, train_loss: 0.5020, step time: 1.3797
Batch 155/248, train_loss: 0.1045, step time: 1.3826
Batch 156/248, train_loss: 0.2207, step time: 1.3786
Batch 157/248, train_loss: 0.3066, step time: 1.3744
Batch 158/248, train_loss: 0.9364, step time: 1.3945
Batch 159/248, train_loss: 0.2909, step time: 1.3655
Batch 160/248, train_loss: 0.1067, step time: 1.3660
Batch 161/248, train_loss: 0.0763, step time: 1.4030
Batch 162/248, train_loss: 0.0742, step time: 1.3882
Batch 163/248, train_loss: 0.1150, step time: 1.3992
Batch 164/248, train_loss: 0.2710, step time: 1.3814
Batch 165/248, train_loss: 0.4897, step time: 1.4068
Batch 166/248, train_loss: 0.0879, step time: 1.3897
Batch 167/248, train_loss: 0.1560, step time: 1.3673
Batch 168/248, train_loss: 0.1331, step time: 1.3721
Batch 169/248, train_loss: 0.0854, step time: 1.3728
Batch 170/248, train_loss: 0.4624, step time: 1.3661
Batch 171/248, train_loss: 0.0826, step time: 1.3752
Batch 172/248, train_loss: 0.3740, step time: 1.4028
Batch 173/248, train_loss: 0.0654, step time: 1.3773
Batch 174/248, train_loss: 0.3440, step time: 1.3694
Batch 175/248, train_loss: 0.0830, step time: 1.3922
Batch 176/248, train_loss: 0.3148, step time: 1.3823
Batch 177/248, train_loss: 0.2004, step time: 1.3681
Batch 178/248, train_loss: 0.1568, step time: 1.3863
Batch 179/248, train_loss: 0.0604, step time: 1.3834
Batch 180/248, train_loss: 0.3715, step time: 1.3706
Batch 181/248, train_loss: 0.0824, step time: 1.3744
Batch 182/248, train_loss: 0.8702, step time: 1.3879
Batch 183/248, train_loss: 0.0929, step time: 1.3872
Batch 184/248, train_loss: 0.2351, step time: 1.3845
Batch 185/248, train_loss: 0.0766, step time: 1.3698
Batch 186/248, train_loss: 0.0713, step time: 1.3671
Batch 187/248, train_loss: 0.1832, step time: 1.3699
Batch 188/248, train_loss: 0.1725, step time: 1.3707
Batch 189/248, train_loss: 0.4229, step time: 1.3986
Batch 190/248, train_loss: 0.1051, step time: 1.3737
Batch 191/248, train_loss: 0.6235, step time: 1.3928
Batch 192/248, train_loss: 0.2388, step time: 1.3977
Batch 193/248, train_loss: 0.2156, step time: 1.3862
Batch 194/248, train_loss: 0.0804, step time: 1.3767
Batch 195/248, train_loss: 0.5899, step time: 1.4021
Batch 196/248, train_loss: 0.5345, step time: 1.3933
Batch 197/248, train_loss: 0.1527, step time: 1.3882
Batch 198/248, train_loss: 0.5259, step time: 1.3885
Batch 199/248, train_loss: 0.1330, step time: 1.3784
Batch 200/248, train_loss: 0.1178, step time: 1.3636
Batch 201/248, train_loss: 0.0993, step time: 1.3810
Batch 202/248, train_loss: 0.3689, step time: 1.3796
Batch 203/248, train_loss: 0.3230, step time: 1.3727
Batch 204/248, train_loss: 0.0932, step time: 1.3547
Batch 205/248, train_loss: 0.2264, step time: 1.3791
Batch 206/248, train_loss: 0.2856, step time: 1.3663
Batch 207/248, train_loss: 0.1081, step time: 1.3860
Batch 208/248, train_loss: 0.1062, step time: 1.3660
Batch 209/248, train_loss: 0.1732, step time: 1.3671
Batch 210/248, train_loss: 0.0547, step time: 1.3594
Batch 211/248, train_loss: 0.0648, step time: 1.3607
Batch 212/248, train_loss: 0.1772, step time: 1.3628
Batch 213/248, train_loss: 0.1340, step time: 1.3868
Batch 214/248, train_loss: 0.0852, step time: 1.3950
Batch 215/248, train_loss: 0.2411, step time: 1.4059
Batch 216/248, train_loss: 0.1924, step time: 1.4048
Batch 217/248, train_loss: 0.2656, step time: 1.3891
Batch 218/248, train_loss: 0.6923, step time: 1.4114
Batch 219/248, train_loss: 0.0537, step time: 1.3743
Batch 220/248, train_loss: 0.1835, step time: 1.3784
Batch 221/248, train_loss: 0.2924, step time: 1.3800
Batch 222/248, train_loss: 0.2053, step time: 1.4033
Batch 223/248, train_loss: 0.0466, step time: 1.3651
Batch 224/248, train_loss: 0.0799, step time: 1.3481
Batch 225/248, train_loss: 0.1561, step time: 1.3799
Batch 226/248, train_loss: 0.1068, step time: 1.3591
Batch 227/248, train_loss: 0.0777, step time: 1.3837
Batch 228/248, train_loss: 0.1440, step time: 1.3717
Batch 229/248, train_loss: 0.0767, step time: 1.3591
Batch 230/248, train_loss: 0.0624, step time: 1.3786
Batch 231/248, train_loss: 0.2300, step time: 1.4021
Batch 232/248, train_loss: 0.0750, step time: 1.4015
Batch 233/248, train_loss: 0.8432, step time: 1.3702
Batch 234/248, train_loss: 0.3739, step time: 1.3804
Batch 235/248, train_loss: 0.2140, step time: 1.3753
Batch 236/248, train_loss: 0.6852, step time: 1.3772
Batch 237/248, train_loss: 0.1125, step time: 1.3683
Batch 238/248, train_loss: 0.1027, step time: 1.3659

```
Batch 239/248, train_loss: 0.0456, step time: 1.3677  
Batch 240/248, train_loss: 0.2660, step time: 1.3596  
Batch 241/248, train_loss: 0.4167, step time: 1.3828  
Batch 242/248, train_loss: 0.1351, step time: 1.3660  
Batch 243/248, train_loss: 0.3592, step time: 1.4053  
Batch 244/248, train_loss: 0.3077, step time: 1.3757  
Batch 245/248, train_loss: 0.0657, step time: 1.3574  
Batch 246/248, train_loss: 0.5645, step time: 1.3717  
Batch 247/248, train_loss: 0.0641, step time: 1.3670  
Batch 248/248, train_loss: 0.9997, step time: 1.3618
```

Labels



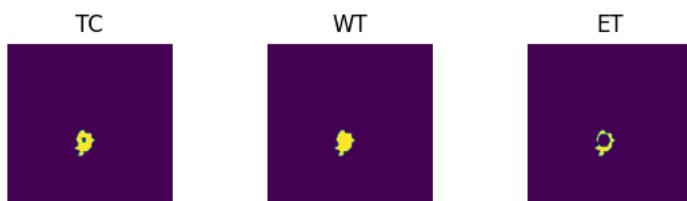
Predictions



VAL

```
Batch 1/31, val_loss: 0.8270  
Batch 2/31, val_loss: 0.9877  
Batch 3/31, val_loss: 0.9600  
Batch 4/31, val_loss: 0.9352  
Batch 5/31, val_loss: 0.9919  
Batch 6/31, val_loss: 0.6867  
Batch 7/31, val_loss: 0.8155  
Batch 8/31, val_loss: 0.9417  
Batch 9/31, val_loss: 0.6869  
Batch 10/31, val_loss: 0.9072  
Batch 11/31, val_loss: 0.8137  
Batch 12/31, val_loss: 0.9673  
Batch 13/31, val_loss: 0.9879  
Batch 14/31, val_loss: 0.9305  
Batch 15/31, val_loss: 0.9840  
Batch 16/31, val_loss: 0.9703  
Batch 17/31, val_loss: 0.9666  
Batch 18/31, val_loss: 0.9299  
Batch 19/31, val_loss: 0.7322  
Batch 20/31, val_loss: 0.8416  
Batch 21/31, val_loss: 0.8677  
Batch 22/31, val_loss: 0.9561  
Batch 23/31, val_loss: 0.9673  
Batch 24/31, val_loss: 0.7327  
Batch 25/31, val_loss: 0.7969  
Batch 26/31, val_loss: 0.9225  
Batch 27/31, val_loss: 0.9769  
Batch 28/31, val_loss: 0.7401  
Batch 29/31, val_loss: 0.9814  
Batch 30/31, val_loss: 0.9637  
Batch 31/31, val_loss: 0.9715
```

Labels



Predictions





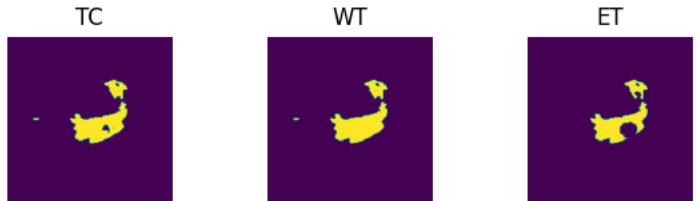
```
epoch 87
average train loss: 0.2457
average validation loss: 0.8949
saved as best model: False
current mean dice: 0.6200
current TC dice: 0.6508
current WT dice: 0.6573
current ET dice: 0.5884
Best Mean Metric: 0.6427
time consuming of epoch 87 is: 1699.9135
-----
epoch 88/100
TRAIN
Batch 1/248, train_loss: 0.0771, step time: 1.4305
Batch 2/248, train_loss: 0.6025, step time: 1.3850
Batch 3/248, train_loss: 0.3816, step time: 1.3862
Batch 4/248, train_loss: 0.9463, step time: 1.3895
Batch 5/248, train_loss: 0.2376, step time: 1.3973
Batch 6/248, train_loss: 0.2617, step time: 1.3866
Batch 7/248, train_loss: 0.0606, step time: 1.3662
Batch 8/248, train_loss: 0.6470, step time: 1.3732
Batch 9/248, train_loss: 0.0351, step time: 1.3780
Batch 10/248, train_loss: 0.2327, step time: 1.3743
Batch 11/248, train_loss: 0.1521, step time: 1.3690
Batch 12/248, train_loss: 0.2681, step time: 1.3771
Batch 13/248, train_loss: 0.2559, step time: 1.3888
Batch 14/248, train_loss: 0.0487, step time: 1.3622
Batch 15/248, train_loss: 0.3037, step time: 1.3871
Batch 16/248, train_loss: 0.1486, step time: 1.3605
Batch 17/248, train_loss: 0.2030, step time: 1.3663
Batch 18/248, train_loss: 0.2796, step time: 1.3816
Batch 19/248, train_loss: 0.1119, step time: 1.3743
Batch 20/248, train_loss: 0.1285, step time: 1.3998
Batch 21/248, train_loss: 0.0357, step time: 1.3817
Batch 22/248, train_loss: 0.2936, step time: 1.3661
Batch 23/248, train_loss: 0.2802, step time: 1.3959
Batch 24/248, train_loss: 0.0714, step time: 1.3770
Batch 25/248, train_loss: 0.0489, step time: 1.3682
Batch 26/248, train_loss: 0.3588, step time: 1.3992
Batch 27/248, train_loss: 0.0661, step time: 1.3949
Batch 28/248, train_loss: 0.1486, step time: 1.3732
Batch 29/248, train_loss: 0.3040, step time: 1.4044
Batch 30/248, train_loss: 0.1972, step time: 1.3775
Batch 31/248, train_loss: 0.2410, step time: 1.3931
Batch 32/248, train_loss: 0.0616, step time: 1.3830
Batch 33/248, train_loss: 0.0605, step time: 1.3768
Batch 34/248, train_loss: 0.0389, step time: 1.3676
Batch 35/248, train_loss: 0.0509, step time: 1.3535
Batch 36/248, train_loss: 0.4144, step time: 1.3839
Batch 37/248, train_loss: 0.1185, step time: 1.3679
Batch 38/248, train_loss: 0.2539, step time: 1.3810
Batch 39/248, train_loss: 0.1066, step time: 1.3776
Batch 40/248, train_loss: 0.4921, step time: 1.3825
Batch 41/248, train_loss: 0.1655, step time: 1.3879
Batch 42/248, train_loss: 0.0673, step time: 1.3620
Batch 43/248, train_loss: 0.0577, step time: 1.3731
Batch 44/248, train_loss: 0.1600, step time: 1.3838
Batch 45/248, train_loss: 0.4507, step time: 1.3938
Batch 46/248, train_loss: 0.1503, step time: 1.3871
Batch 47/248, train_loss: 0.0754, step time: 1.3651
Batch 48/248, train_loss: 0.1954, step time: 1.3957
Batch 49/248, train_loss: 0.3608, step time: 1.3801
Batch 50/248, train_loss: 0.1129, step time: 1.3704
Batch 51/248, train_loss: 0.1230, step time: 1.3624
Batch 52/248, train_loss: 0.1047, step time: 1.4003
Batch 53/248, train_loss: 0.3170, step time: 1.4125
Batch 54/248, train_loss: 0.2253, step time: 1.3878
Batch 55/248, train_loss: 0.2004, step time: 1.3617
Batch 56/248, train_loss: 0.1572, step time: 1.3780
Batch 57/248, train_loss: 0.1796, step time: 1.3942
Batch 58/248, train_loss: 0.0576, step time: 1.3653
Batch 59/248, train_loss: 0.0807, step time: 1.3625
Batch 60/248, train_loss: 0.0524, step time: 1.3747
Batch 61/248, train_loss: 0.0626, step time: 1.3706
Batch 62/248, train_loss: 0.1927, step time: 1.3849
Batch 63/248, train_loss: 0.3559, step time: 1.3685
Batch 64/248, train_loss: 0.3301, step time: 1.3656
Batch 65/248, train_loss: 0.1970, step time: 1.3575
Batch 66/248, train_loss: 0.1049, step time: 1.3764
Batch 67/248, train_loss: 0.0629, step time: 1.3469
Batch 68/248, train_loss: 0.1001, step time: 1.3515
```

Batch 69/248, train_loss: 0.3556, step time: 1.3480
Batch 70/248, train_loss: 0.1746, step time: 1.3396
Batch 71/248, train_loss: 0.1549, step time: 1.3527
Batch 72/248, train_loss: 0.0411, step time: 1.3286
Batch 73/248, train_loss: 0.5583, step time: 1.3413
Batch 74/248, train_loss: 0.2263, step time: 1.3392
Batch 75/248, train_loss: 0.0856, step time: 1.3306
Batch 76/248, train_loss: 0.3935, step time: 1.3577
Batch 77/248, train_loss: 0.7044, step time: 1.3292
Batch 78/248, train_loss: 0.0743, step time: 1.3440
Batch 79/248, train_loss: 0.1180, step time: 1.3560
Batch 80/248, train_loss: 0.1920, step time: 1.3352
Batch 81/248, train_loss: 0.1256, step time: 1.3512
Batch 82/248, train_loss: 0.0745, step time: 1.3251
Batch 83/248, train_loss: 0.4763, step time: 1.3314
Batch 84/248, train_loss: 0.1421, step time: 1.3285
Batch 85/248, train_loss: 0.4431, step time: 1.3366
Batch 86/248, train_loss: 0.2084, step time: 1.3187
Batch 87/248, train_loss: 0.7303, step time: 1.3559
Batch 88/248, train_loss: 0.3069, step time: 1.3219
Batch 89/248, train_loss: 0.0631, step time: 1.3460
Batch 90/248, train_loss: 0.1672, step time: 1.3341
Batch 91/248, train_loss: 0.4413, step time: 1.3377
Batch 92/248, train_loss: 0.4304, step time: 1.3301
Batch 93/248, train_loss: 0.1489, step time: 1.3388
Batch 94/248, train_loss: 0.2319, step time: 1.3353
Batch 95/248, train_loss: 0.1524, step time: 1.3301
Batch 96/248, train_loss: 0.1088, step time: 1.3158
Batch 97/248, train_loss: 0.4712, step time: 1.3364
Batch 98/248, train_loss: 0.0895, step time: 1.3298
Batch 99/248, train_loss: 0.2874, step time: 1.3190
Batch 100/248, train_loss: 0.2062, step time: 1.3463
Batch 101/248, train_loss: 0.0396, step time: 1.3383
Batch 102/248, train_loss: 0.1036, step time: 1.3197
Batch 103/248, train_loss: 0.2794, step time: 1.3273
Batch 104/248, train_loss: 0.2346, step time: 1.3368
Batch 105/248, train_loss: 0.0748, step time: 1.3334
Batch 106/248, train_loss: 0.0996, step time: 1.3298
Batch 107/248, train_loss: 0.2520, step time: 1.3338
Batch 108/248, train_loss: 0.5622, step time: 1.3458
Batch 109/248, train_loss: 0.8565, step time: 1.3263
Batch 110/248, train_loss: 0.4362, step time: 1.3508
Batch 111/248, train_loss: 0.0857, step time: 1.3356
Batch 112/248, train_loss: 0.0921, step time: 1.3341
Batch 113/248, train_loss: 0.7973, step time: 1.3554
Batch 114/248, train_loss: 0.1260, step time: 1.3219
Batch 115/248, train_loss: 0.1222, step time: 1.3063
Batch 116/248, train_loss: 0.0577, step time: 1.3100
Batch 117/248, train_loss: 0.4360, step time: 1.3376
Batch 118/248, train_loss: 0.1648, step time: 1.3206
Batch 119/248, train_loss: 0.2972, step time: 1.3385
Batch 120/248, train_loss: 0.1953, step time: 1.3312
Batch 121/248, train_loss: 0.2481, step time: 1.3419
Batch 122/248, train_loss: 0.3742, step time: 1.3478
Batch 123/248, train_loss: 0.0464, step time: 1.3299
Batch 124/248, train_loss: 0.2176, step time: 1.3342
Batch 125/248, train_loss: 0.4547, step time: 1.3269
Batch 126/248, train_loss: 0.3187, step time: 1.3447
Batch 127/248, train_loss: 0.0899, step time: 1.3147
Batch 128/248, train_loss: 0.1037, step time: 1.3358
Batch 129/248, train_loss: 0.0777, step time: 1.3150
Batch 130/248, train_loss: 0.0683, step time: 1.3336
Batch 131/248, train_loss: 0.3471, step time: 1.3336
Batch 132/248, train_loss: 0.1705, step time: 1.3432
Batch 133/248, train_loss: 0.0810, step time: 1.3119
Batch 134/248, train_loss: 0.8778, step time: 1.3487
Batch 135/248, train_loss: 0.1423, step time: 1.3188
Batch 136/248, train_loss: 0.0904, step time: 1.3389
Batch 137/248, train_loss: 0.1043, step time: 1.3525
Batch 138/248, train_loss: 0.0760, step time: 1.3160
Batch 139/248, train_loss: 0.1342, step time: 1.3112
Batch 140/248, train_loss: 0.2100, step time: 1.3548
Batch 141/248, train_loss: 0.1029, step time: 1.3089
Batch 142/248, train_loss: 0.4309, step time: 1.3271
Batch 143/248, train_loss: 0.1841, step time: 1.3167
Batch 144/248, train_loss: 0.1264, step time: 1.3224
Batch 145/248, train_loss: 0.0571, step time: 1.3123
Batch 146/248, train_loss: 0.2922, step time: 1.3330
Batch 147/248, train_loss: 0.0374, step time: 1.3241
Batch 148/248, train_loss: 0.5099, step time: 1.3272
Batch 149/248, train_loss: 0.1057, step time: 1.3197
Batch 150/248, train_loss: 0.3522, step time: 1.3215
Batch 151/248, train_loss: 0.1983, step time: 1.3146
Batch 152/248, train_loss: 0.0376, step time: 1.3327
Batch 153/248, train_loss: 0.1944, step time: 1.3152

Batch 125/248, train_loss: 0.1155, step time: 1.3102
Batch 154/248, train_loss: 0.5236, step time: 1.3256
Batch 155/248, train_loss: 0.1009, step time: 1.3106
Batch 156/248, train_loss: 0.1398, step time: 1.3150
Batch 157/248, train_loss: 0.2719, step time: 1.3370
Batch 158/248, train_loss: 0.7681, step time: 1.3228
Batch 159/248, train_loss: 0.3089, step time: 1.3237
Batch 160/248, train_loss: 0.0801, step time: 1.3379
Batch 161/248, train_loss: 0.0673, step time: 1.3111
Batch 162/248, train_loss: 0.0604, step time: 1.3148
Batch 163/248, train_loss: 0.1326, step time: 1.3279
Batch 164/248, train_loss: 0.2499, step time: 1.3275
Batch 165/248, train_loss: 0.4097, step time: 1.3389
Batch 166/248, train_loss: 0.1006, step time: 1.3221
Batch 167/248, train_loss: 0.1512, step time: 1.3169
Batch 168/248, train_loss: 0.1205, step time: 1.3385
Batch 169/248, train_loss: 0.0817, step time: 1.3176
Batch 170/248, train_loss: 0.4741, step time: 1.3292
Batch 171/248, train_loss: 0.0829, step time: 1.3247
Batch 172/248, train_loss: 0.2980, step time: 1.3360
Batch 173/248, train_loss: 0.0596, step time: 1.3396
Batch 174/248, train_loss: 0.6514, step time: 1.3333
Batch 175/248, train_loss: 0.0847, step time: 1.3282
Batch 176/248, train_loss: 0.3066, step time: 1.3280
Batch 177/248, train_loss: 0.1869, step time: 1.3522
Batch 178/248, train_loss: 0.2530, step time: 1.3178
Batch 179/248, train_loss: 0.0847, step time: 1.3340
Batch 180/248, train_loss: 0.3518, step time: 1.3160
Batch 181/248, train_loss: 0.0851, step time: 1.3363
Batch 182/248, train_loss: 0.8347, step time: 1.3327
Batch 183/248, train_loss: 0.0699, step time: 1.3344
Batch 184/248, train_loss: 0.1812, step time: 1.3229
Batch 185/248, train_loss: 0.0815, step time: 1.3098
Batch 186/248, train_loss: 0.0751, step time: 1.3312
Batch 187/248, train_loss: 0.1781, step time: 1.3431
Batch 188/248, train_loss: 0.2176, step time: 1.3483
Batch 189/248, train_loss: 0.4220, step time: 1.3227
Batch 190/248, train_loss: 0.0979, step time: 1.3404
Batch 191/248, train_loss: 0.6273, step time: 1.3451
Batch 192/248, train_loss: 0.2610, step time: 1.3433
Batch 193/248, train_loss: 0.2415, step time: 1.3313
Batch 194/248, train_loss: 0.0835, step time: 1.3478
Batch 195/248, train_loss: 0.5778, step time: 1.3413
Batch 196/248, train_loss: 0.6572, step time: 1.3321
Batch 197/248, train_loss: 0.1824, step time: 1.3500
Batch 198/248, train_loss: 0.4835, step time: 1.3459
Batch 199/248, train_loss: 0.1348, step time: 1.3362
Batch 200/248, train_loss: 0.1207, step time: 1.3151
Batch 201/248, train_loss: 0.0970, step time: 1.3128
Batch 202/248, train_loss: 0.3665, step time: 1.3384
Batch 203/248, train_loss: 0.2848, step time: 1.3390
Batch 204/248, train_loss: 0.0922, step time: 1.3274
Batch 205/248, train_loss: 0.2969, step time: 1.3464
Batch 206/248, train_loss: 0.3371, step time: 1.3406
Batch 207/248, train_loss: 0.0543, step time: 1.3273
Batch 208/248, train_loss: 0.1382, step time: 1.3305
Batch 209/248, train_loss: 0.1257, step time: 1.3124
Batch 210/248, train_loss: 0.0586, step time: 1.3231
Batch 211/248, train_loss: 0.0625, step time: 1.3341
Batch 212/248, train_loss: 0.2460, step time: 1.3516
Batch 213/248, train_loss: 0.1447, step time: 1.3475
Batch 214/248, train_loss: 0.0683, step time: 1.3241
Batch 215/248, train_loss: 0.2858, step time: 1.3243
Batch 216/248, train_loss: 0.1697, step time: 1.3323
Batch 217/248, train_loss: 0.2327, step time: 1.3267
Batch 218/248, train_loss: 0.6944, step time: 1.3269
Batch 219/248, train_loss: 0.0517, step time: 1.3127
Batch 220/248, train_loss: 0.1768, step time: 1.3220
Batch 221/248, train_loss: 0.2515, step time: 1.3352
Batch 222/248, train_loss: 0.1802, step time: 1.3139
Batch 223/248, train_loss: 0.0438, step time: 1.3417
Batch 224/248, train_loss: 0.0856, step time: 1.3356
Batch 225/248, train_loss: 0.2067, step time: 1.3457
Batch 226/248, train_loss: 0.1001, step time: 1.3303
Batch 227/248, train_loss: 0.0791, step time: 1.3159
Batch 228/248, train_loss: 0.1343, step time: 1.3250
Batch 229/248, train_loss: 0.0791, step time: 1.3234
Batch 230/248, train_loss: 0.0774, step time: 1.3409
Batch 231/248, train_loss: 0.2685, step time: 1.3149
Batch 232/248, train_loss: 0.0779, step time: 1.3256
Batch 233/248, train_loss: 0.8071, step time: 1.3308
Batch 234/248, train_loss: 0.3652, step time: 1.3307
Batch 235/248, train_loss: 0.2205, step time: 1.3178
Batch 236/248, train_loss: 0.7148, step time: 1.3511
Batch 237/248, train_loss: 0.1087, step time: 1.3392

```
Batch 238/248, train_loss: 0.0902, step time: 1.3452
Batch 239/248, train_loss: 0.0604, step time: 1.3226
Batch 240/248, train_loss: 0.2654, step time: 1.3451
Batch 241/248, train_loss: 0.7693, step time: 1.3511
Batch 242/248, train_loss: 0.1334, step time: 1.3491
Batch 243/248, train_loss: 0.4651, step time: 1.3242
Batch 244/248, train_loss: 0.4132, step time: 1.3337
Batch 245/248, train_loss: 0.0728, step time: 1.3187
Batch 246/248, train_loss: 0.5203, step time: 1.3189
Batch 247/248, train_loss: 0.0655, step time: 1.3084
Batch 248/248, train_loss: 0.9999, step time: 1.3204
```

Labels



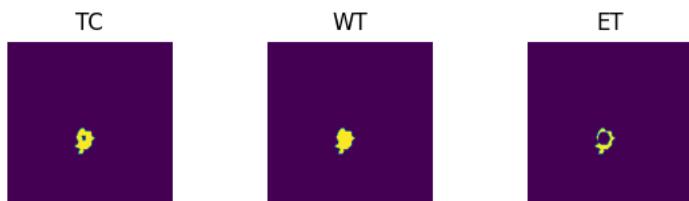
Predictions



VAL

```
Batch 1/31, val_loss: 0.8281
Batch 2/31, val_loss: 0.9877
Batch 3/31, val_loss: 0.9572
Batch 4/31, val_loss: 0.9351
Batch 5/31, val_loss: 0.9910
Batch 6/31, val_loss: 0.6911
Batch 7/31, val_loss: 0.8148
Batch 8/31, val_loss: 0.9277
Batch 9/31, val_loss: 0.6854
Batch 10/31, val_loss: 0.9081
Batch 11/31, val_loss: 0.8130
Batch 12/31, val_loss: 0.9625
Batch 13/31, val_loss: 0.9966
Batch 14/31, val_loss: 0.9249
Batch 15/31, val_loss: 0.9836
Batch 16/31, val_loss: 0.9708
Batch 17/31, val_loss: 0.9598
Batch 18/31, val_loss: 0.9280
Batch 19/31, val_loss: 0.7311
Batch 20/31, val_loss: 0.8480
Batch 21/31, val_loss: 0.8700
Batch 22/31, val_loss: 0.9588
Batch 23/31, val_loss: 0.9664
Batch 24/31, val_loss: 0.7312
Batch 25/31, val_loss: 0.7979
Batch 26/31, val_loss: 0.9221
Batch 27/31, val_loss: 0.9745
Batch 28/31, val_loss: 0.7420
Batch 29/31, val_loss: 0.9819
Batch 30/31, val_loss: 0.9575
Batch 31/31, val_loss: 0.9716
```

Labels



Predictions





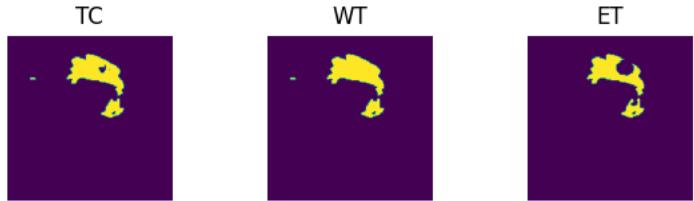
```
epoch 88
average train loss: 0.2336
average validation loss: 0.8941
saved as best model: False
current mean dice: 0.6397
current TC dice: 0.6692
current WT dice: 0.6745
current ET dice: 0.6152
Best Mean Metric: 0.6427
time consuming of epoch 88 is: 1685.2829
-----
epoch 89/100
TRAIN
Batch 1/248, train_loss: 0.0782, step time: 1.4034
Batch 2/248, train_loss: 0.6883, step time: 1.3332
Batch 3/248, train_loss: 0.3356, step time: 1.3311
Batch 4/248, train_loss: 0.8152, step time: 1.3564
Batch 5/248, train_loss: 0.1956, step time: 1.3413
Batch 6/248, train_loss: 0.2167, step time: 1.3237
Batch 7/248, train_loss: 0.0616, step time: 1.3326
Batch 8/248, train_loss: 0.5932, step time: 1.3202
Batch 9/248, train_loss: 0.0321, step time: 1.3398
Batch 10/248, train_loss: 0.2199, step time: 1.3466
Batch 11/248, train_loss: 0.1547, step time: 1.3479
Batch 12/248, train_loss: 0.3015, step time: 1.3496
Batch 13/248, train_loss: 0.2456, step time: 1.3471
Batch 14/248, train_loss: 0.0491, step time: 1.3478
Batch 15/248, train_loss: 0.3053, step time: 1.3376
Batch 16/248, train_loss: 0.1390, step time: 1.3385
Batch 17/248, train_loss: 0.2228, step time: 1.3543
Batch 18/248, train_loss: 0.2652, step time: 1.3431
Batch 19/248, train_loss: 0.2632, step time: 1.3248
Batch 20/248, train_loss: 0.0876, step time: 1.3405
Batch 21/248, train_loss: 0.0389, step time: 1.3081
Batch 22/248, train_loss: 0.3254, step time: 1.3290
Batch 23/248, train_loss: 0.3766, step time: 1.3342
Batch 24/248, train_loss: 0.0736, step time: 1.3223
Batch 25/248, train_loss: 0.0560, step time: 1.3152
Batch 26/248, train_loss: 0.3508, step time: 1.3169
Batch 27/248, train_loss: 0.0658, step time: 1.3314
Batch 28/248, train_loss: 0.1464, step time: 1.3236
Batch 29/248, train_loss: 0.3231, step time: 1.3220
Batch 30/248, train_loss: 0.1776, step time: 1.3334
Batch 31/248, train_loss: 0.2374, step time: 1.3295
Batch 32/248, train_loss: 0.0633, step time: 1.3419
Batch 33/248, train_loss: 0.0658, step time: 1.3095
Batch 34/248, train_loss: 0.0486, step time: 1.3443
Batch 35/248, train_loss: 0.0553, step time: 1.3343
Batch 36/248, train_loss: 0.3716, step time: 1.3324
Batch 37/248, train_loss: 0.1190, step time: 1.3094
Batch 38/248, train_loss: 0.2835, step time: 1.3213
Batch 39/248, train_loss: 0.1080, step time: 1.3347
Batch 40/248, train_loss: 0.4914, step time: 1.3250
Batch 41/248, train_loss: 0.1599, step time: 1.3272
Batch 42/248, train_loss: 0.0534, step time: 1.3193
Batch 43/248, train_loss: 0.0491, step time: 1.3441
Batch 44/248, train_loss: 0.1086, step time: 1.3342
Batch 45/248, train_loss: 0.4120, step time: 1.3497
Batch 46/248, train_loss: 0.1451, step time: 1.3382
Batch 47/248, train_loss: 0.0617, step time: 1.3300
Batch 48/248, train_loss: 0.1840, step time: 1.3384
Batch 49/248, train_loss: 0.3831, step time: 1.3190
Batch 50/248, train_loss: 0.1215, step time: 1.3242
Batch 51/248, train_loss: 0.1362, step time: 1.3387
Batch 52/248, train_loss: 0.0908, step time: 1.3133
Batch 53/248, train_loss: 0.3359, step time: 1.3295
Batch 54/248, train_loss: 0.2218, step time: 1.3399
Batch 55/248, train_loss: 0.2291, step time: 1.3455
Batch 56/248, train_loss: 0.1389, step time: 1.3117
Batch 57/248, train_loss: 0.2326, step time: 1.3279
Batch 58/248, train_loss: 0.0671, step time: 1.3476
Batch 59/248, train_loss: 0.0730, step time: 1.3316
Batch 60/248, train_loss: 0.0491, step time: 1.3231
Batch 61/248, train_loss: 0.0777, step time: 1.3438
Batch 62/248, train_loss: 0.2039, step time: 1.3166
Batch 63/248, train_loss: 0.3682, step time: 1.3473
Batch 64/248, train_loss: 0.3508, step time: 1.3548
Batch 65/248, train_loss: 0.2218, step time: 1.3188
Batch 66/248, train_loss: 0.0954, step time: 1.3243
Batch 67/248, train_loss: 0.0587, step time: 1.3249
Batch 68/248, train_loss: 0.0021, step time: 1.3257
```

Batch 55/248, train_loss: 0.0924, step time: 1.3339
Batch 56/248, train_loss: 0.4305, step time: 1.3154
Batch 57/248, train_loss: 0.1358, step time: 1.3111
Batch 58/248, train_loss: 0.1133, step time: 1.3225
Batch 59/248, train_loss: 0.0475, step time: 1.3073
Batch 60/248, train_loss: 0.1292, step time: 1.3306
Batch 61/248, train_loss: 0.2687, step time: 1.3343
Batch 62/248, train_loss: 0.0908, step time: 1.3288
Batch 63/248, train_loss: 0.4239, step time: 1.3161
Batch 64/248, train_loss: 0.6856, step time: 1.3193
Batch 65/248, train_loss: 0.0843, step time: 1.3495
Batch 66/248, train_loss: 0.1141, step time: 1.3433
Batch 67/248, train_loss: 0.1621, step time: 1.3274
Batch 68/248, train_loss: 0.1295, step time: 1.3241
Batch 69/248, train_loss: 0.0802, step time: 1.3143
Batch 70/248, train_loss: 0.4807, step time: 1.3175
Batch 71/248, train_loss: 0.1934, step time: 1.3400
Batch 72/248, train_loss: 0.3970, step time: 1.3277
Batch 73/248, train_loss: 0.2064, step time: 1.3336
Batch 74/248, train_loss: 0.5491, step time: 1.3402
Batch 75/248, train_loss: 0.3028, step time: 1.3308
Batch 76/248, train_loss: 0.0746, step time: 1.3441
Batch 77/248, train_loss: 0.1766, step time: 1.3466
Batch 78/248, train_loss: 0.2983, step time: 1.3403
Batch 79/248, train_loss: 0.5541, step time: 1.3404
Batch 80/248, train_loss: 0.1312, step time: 1.3375
Batch 81/248, train_loss: 0.1873, step time: 1.3470
Batch 82/248, train_loss: 0.1549, step time: 1.3075
Batch 83/248, train_loss: 0.1186, step time: 1.3422
Batch 84/248, train_loss: 0.5113, step time: 1.3462
Batch 85/248, train_loss: 0.1014, step time: 1.3202
Batch 86/248, train_loss: 0.2564, step time: 1.3288
Batch 87/248, train_loss: 0.2044, step time: 1.3217
Batch 88/248, train_loss: 0.0415, step time: 1.3471
Batch 89/248, train_loss: 0.1258, step time: 1.3288
Batch 90/248, train_loss: 0.2981, step time: 1.3209
Batch 91/248, train_loss: 0.2359, step time: 1.3462
Batch 92/248, train_loss: 0.0751, step time: 1.3129
Batch 93/248, train_loss: 0.0991, step time: 1.3301
Batch 94/248, train_loss: 0.2342, step time: 1.3271
Batch 95/248, train_loss: 0.5873, step time: 1.3420
Batch 96/248, train_loss: 0.5084, step time: 1.3449
Batch 97/248, train_loss: 0.4173, step time: 1.3230
Batch 98/248, train_loss: 0.0722, step time: 1.3295
Batch 99/248, train_loss: 0.1028, step time: 1.3347
Batch 100/248, train_loss: 0.5447, step time: 1.3441
Batch 101/248, train_loss: 0.1122, step time: 1.3454
Batch 102/248, train_loss: 0.1186, step time: 1.3290
Batch 103/248, train_loss: 0.0574, step time: 1.3204
Batch 104/248, train_loss: 0.4910, step time: 1.3402
Batch 105/248, train_loss: 0.1368, step time: 1.3286
Batch 106/248, train_loss: 0.2417, step time: 1.3201
Batch 107/248, train_loss: 0.1834, step time: 1.3210
Batch 108/248, train_loss: 0.2587, step time: 1.3218
Batch 109/248, train_loss: 0.3428, step time: 1.3389
Batch 110/248, train_loss: 0.0442, step time: 1.3004
Batch 111/248, train_loss: 0.2093, step time: 1.3099
Batch 112/248, train_loss: 0.4369, step time: 1.3343
Batch 113/248, train_loss: 0.1704, step time: 1.3175
Batch 114/248, train_loss: 0.1112, step time: 1.3369
Batch 115/248, train_loss: 0.1278, step time: 1.3129
Batch 116/248, train_loss: 0.0749, step time: 1.3373
Batch 117/248, train_loss: 0.0676, step time: 1.3401
Batch 118/248, train_loss: 0.3965, step time: 1.3230
Batch 119/248, train_loss: 0.1490, step time: 1.3368
Batch 120/248, train_loss: 0.0639, step time: 1.3303
Batch 121/248, train_loss: 0.8476, step time: 1.3304
Batch 122/248, train_loss: 0.1639, step time: 1.3403
Batch 123/248, train_loss: 0.1723, step time: 1.3225
Batch 124/248, train_loss: 0.1012, step time: 1.3445
Batch 125/248, train_loss: 0.0624, step time: 1.3256
Batch 126/248, train_loss: 0.1162, step time: 1.3113
Batch 127/248, train_loss: 0.1765, step time: 1.3347
Batch 128/248, train_loss: 0.1175, step time: 1.3263
Batch 129/248, train_loss: 0.5325, step time: 1.3251
Batch 130/248, train_loss: 0.1758, step time: 1.3368
Batch 131/248, train_loss: 0.0927, step time: 1.3348
Batch 132/248, train_loss: 0.0512, step time: 1.3127
Batch 133/248, train_loss: 0.2512, step time: 1.3302
Batch 134/248, train_loss: 0.0398, step time: 1.3207
Batch 135/248, train_loss: 0.5469, step time: 1.3287
Batch 136/248, train_loss: 0.1272, step time: 1.3212
Batch 137/248, train_loss: 0.3077, step time: 1.3344
Batch 138/248, train_loss: 0.1682, step time: 1.3220
Batch 139/248, train_loss: 0.0432, step time: 1.3375
... -----

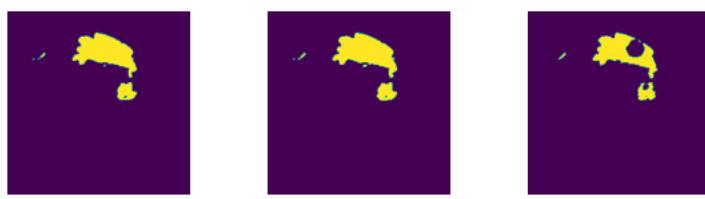
Batch 153/248, train_loss: 0.1661, step time: 1.3197
Batch 154/248, train_loss: 0.5340, step time: 1.3384
Batch 155/248, train_loss: 0.0886, step time: 1.3255
Batch 156/248, train_loss: 0.1255, step time: 1.3434
Batch 157/248, train_loss: 0.2804, step time: 1.3121
Batch 158/248, train_loss: 0.8279, step time: 1.3181
Batch 159/248, train_loss: 0.2762, step time: 1.3310
Batch 160/248, train_loss: 0.0673, step time: 1.3294
Batch 161/248, train_loss: 0.0677, step time: 1.3495
Batch 162/248, train_loss: 0.0572, step time: 1.3127
Batch 163/248, train_loss: 0.1074, step time: 1.3442
Batch 164/248, train_loss: 0.2206, step time: 1.3315
Batch 165/248, train_loss: 0.4026, step time: 1.3492
Batch 166/248, train_loss: 0.0840, step time: 1.3255
Batch 167/248, train_loss: 0.1373, step time: 1.3472
Batch 168/248, train_loss: 0.1315, step time: 1.3185
Batch 169/248, train_loss: 0.1005, step time: 1.3318
Batch 170/248, train_loss: 0.4492, step time: 1.3415
Batch 171/248, train_loss: 0.1019, step time: 1.3243
Batch 172/248, train_loss: 0.4030, step time: 1.3356
Batch 173/248, train_loss: 0.0596, step time: 1.3311
Batch 174/248, train_loss: 0.3271, step time: 1.3274
Batch 175/248, train_loss: 0.0809, step time: 1.3395
Batch 176/248, train_loss: 0.3351, step time: 1.3238
Batch 177/248, train_loss: 0.1926, step time: 1.3560
Batch 178/248, train_loss: 0.2389, step time: 1.3153
Batch 179/248, train_loss: 0.0771, step time: 1.3141
Batch 180/248, train_loss: 0.3512, step time: 1.3292
Batch 181/248, train_loss: 0.0786, step time: 1.3146
Batch 182/248, train_loss: 0.7233, step time: 1.3402
Batch 183/248, train_loss: 0.0892, step time: 1.3535
Batch 184/248, train_loss: 0.1895, step time: 1.3188
Batch 185/248, train_loss: 0.0791, step time: 1.3375
Batch 186/248, train_loss: 0.0718, step time: 1.3255
Batch 187/248, train_loss: 0.1402, step time: 1.3176
Batch 188/248, train_loss: 0.1727, step time: 1.3156
Batch 189/248, train_loss: 0.4255, step time: 1.3376
Batch 190/248, train_loss: 0.1652, step time: 1.3269
Batch 191/248, train_loss: 0.6402, step time: 1.3201
Batch 192/248, train_loss: 0.2168, step time: 1.3443
Batch 193/248, train_loss: 0.2222, step time: 1.3431
Batch 194/248, train_loss: 0.0777, step time: 1.3420
Batch 195/248, train_loss: 0.5502, step time: 1.3247
Batch 196/248, train_loss: 0.6152, step time: 1.3408
Batch 197/248, train_loss: 0.2186, step time: 1.3403
Batch 198/248, train_loss: 0.4288, step time: 1.3252
Batch 199/248, train_loss: 0.1364, step time: 1.3279
Batch 200/248, train_loss: 0.1231, step time: 1.3439
Batch 201/248, train_loss: 0.1162, step time: 1.3493
Batch 202/248, train_loss: 0.3373, step time: 1.3256
Batch 203/248, train_loss: 0.3434, step time: 1.3232
Batch 204/248, train_loss: 0.1689, step time: 1.3174
Batch 205/248, train_loss: 0.2365, step time: 1.3194
Batch 206/248, train_loss: 0.3035, step time: 1.3281
Batch 207/248, train_loss: 0.0509, step time: 1.3218
Batch 208/248, train_loss: 0.1227, step time: 1.3490
Batch 209/248, train_loss: 0.1125, step time: 1.3474
Batch 210/248, train_loss: 0.0583, step time: 1.3275
Batch 211/248, train_loss: 0.0658, step time: 1.3389
Batch 212/248, train_loss: 0.2060, step time: 1.3441
Batch 213/248, train_loss: 0.1442, step time: 1.3228
Batch 214/248, train_loss: 0.0686, step time: 1.3474
Batch 215/248, train_loss: 0.2175, step time: 1.3384
Batch 216/248, train_loss: 0.1737, step time: 1.3176
Batch 217/248, train_loss: 0.2554, step time: 1.3474
Batch 218/248, train_loss: 0.6804, step time: 1.3566
Batch 219/248, train_loss: 0.0660, step time: 1.3150
Batch 220/248, train_loss: 0.1810, step time: 1.3351
Batch 221/248, train_loss: 0.3206, step time: 1.3356
Batch 222/248, train_loss: 0.2281, step time: 1.3276
Batch 223/248, train_loss: 0.0434, step time: 1.3318
Batch 224/248, train_loss: 0.0751, step time: 1.3246
Batch 225/248, train_loss: 0.1592, step time: 1.3562
Batch 226/248, train_loss: 0.0985, step time: 1.3094
Batch 227/248, train_loss: 0.0892, step time: 1.3468
Batch 228/248, train_loss: 0.1542, step time: 1.3478
Batch 229/248, train_loss: 0.0751, step time: 1.3418
Batch 230/248, train_loss: 0.0646, step time: 1.3230
Batch 231/248, train_loss: 0.2789, step time: 1.3401
Batch 232/248, train_loss: 0.0793, step time: 1.3381
Batch 233/248, train_loss: 0.9104, step time: 1.3218
Batch 234/248, train_loss: 0.3694, step time: 1.3439
Batch 235/248, train_loss: 0.2213, step time: 1.3286
Batch 236/248, train_loss: 0.6818, step time: 1.3239
Batch 237/248, train_loss: 0.1173, step time: 1.3358

```
Batch 238/248, train_loss: 0.0856, step time: 1.3456
Batch 239/248, train_loss: 0.0422, step time: 1.3139
Batch 240/248, train_loss: 0.2393, step time: 1.3179
Batch 241/248, train_loss: 0.5688, step time: 1.3371
Batch 242/248, train_loss: 0.1201, step time: 1.3298
Batch 243/248, train_loss: 0.4097, step time: 1.3272
Batch 244/248, train_loss: 0.3297, step time: 1.3215
Batch 245/248, train_loss: 0.0704, step time: 1.3323
Batch 246/248, train_loss: 0.4900, step time: 1.3269
Batch 247/248, train_loss: 0.0617, step time: 1.3195
Batch 248/248, train_loss: 0.9998, step time: 1.3403
```

Labels



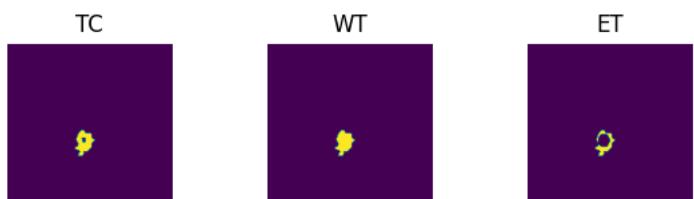
Predictions



VAL

```
Batch 1/31, val_loss: 0.8306
Batch 2/31, val_loss: 0.9876
Batch 3/31, val_loss: 0.9571
Batch 4/31, val_loss: 0.9364
Batch 5/31, val_loss: 0.9904
Batch 6/31, val_loss: 0.6917
Batch 7/31, val_loss: 0.8132
Batch 8/31, val_loss: 0.9367
Batch 9/31, val_loss: 0.6850
Batch 10/31, val_loss: 0.9055
Batch 11/31, val_loss: 0.8147
Batch 12/31, val_loss: 0.9671
Batch 13/31, val_loss: 0.9948
Batch 14/31, val_loss: 0.9307
Batch 15/31, val_loss: 0.9843
Batch 16/31, val_loss: 0.9701
Batch 17/31, val_loss: 0.9618
Batch 18/31, val_loss: 0.9288
Batch 19/31, val_loss: 0.7293
Batch 20/31, val_loss: 0.8522
Batch 21/31, val_loss: 0.8663
Batch 22/31, val_loss: 0.9545
Batch 23/31, val_loss: 0.9681
Batch 24/31, val_loss: 0.7334
Batch 25/31, val_loss: 0.7966
Batch 26/31, val_loss: 0.9226
Batch 27/31, val_loss: 0.9785
Batch 28/31, val_loss: 0.7402
Batch 29/31, val_loss: 0.9806
Batch 30/31, val_loss: 0.9599
Batch 31/31, val_loss: 0.9715
```

Labels



Predictions





```
epoch 89
    average train loss: 0.2248
    average validation loss: 0.8948
    saved as best model: False
    current mean dice: 0.6392
    current TC dice: 0.6721
    current WT dice: 0.6775
    current ET dice: 0.6038
Best Mean Metric: 0.6427
time consuming of epoch 89 is: 1680.8085
```

```
epoch 90/100
```

TRAIN

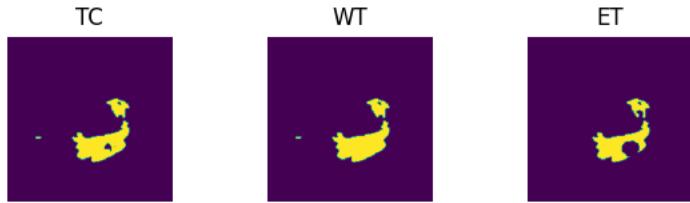
```
Batch 1/248, train_loss: 0.0707, step time: 1.3847
Batch 2/248, train_loss: 0.5584, step time: 1.3323
Batch 3/248, train_loss: 0.3999, step time: 1.3592
Batch 4/248, train_loss: 0.9578, step time: 1.3239
Batch 5/248, train_loss: 0.2300, step time: 1.3203
Batch 6/248, train_loss: 0.2064, step time: 1.3493
Batch 7/248, train_loss: 0.0583, step time: 1.3317
Batch 8/248, train_loss: 0.8008, step time: 1.3238
Batch 9/248, train_loss: 0.0338, step time: 1.3237
Batch 10/248, train_loss: 0.2265, step time: 1.3343
Batch 11/248, train_loss: 0.1600, step time: 1.3177
Batch 12/248, train_loss: 0.3050, step time: 1.3322
Batch 13/248, train_loss: 0.2198, step time: 1.3227
Batch 14/248, train_loss: 0.0422, step time: 1.3201
Batch 15/248, train_loss: 0.3010, step time: 1.3279
Batch 16/248, train_loss: 0.1354, step time: 1.3338
Batch 17/248, train_loss: 0.2807, step time: 1.3591
Batch 18/248, train_loss: 0.2554, step time: 1.3152
Batch 19/248, train_loss: 0.0949, step time: 1.3366
Batch 20/248, train_loss: 0.2866, step time: 1.3500
Batch 21/248, train_loss: 0.0420, step time: 1.3367
Batch 22/248, train_loss: 0.5500, step time: 1.3243
Batch 23/248, train_loss: 0.3103, step time: 1.3209
Batch 24/248, train_loss: 0.0768, step time: 1.3390
Batch 25/248, train_loss: 0.0473, step time: 1.3228
Batch 26/248, train_loss: 0.3402, step time: 1.3511
Batch 27/248, train_loss: 0.0613, step time: 1.3149
Batch 28/248, train_loss: 0.1620, step time: 1.3251
Batch 29/248, train_loss: 0.2870, step time: 1.3425
Batch 30/248, train_loss: 0.4567, step time: 1.3472
Batch 31/248, train_loss: 0.2859, step time: 1.3342
Batch 32/248, train_loss: 0.0700, step time: 1.3273
Batch 33/248, train_loss: 0.0739, step time: 1.3194
Batch 34/248, train_loss: 0.0368, step time: 1.3236
Batch 35/248, train_loss: 0.0444, step time: 1.3220
Batch 36/248, train_loss: 0.3249, step time: 1.3308
Batch 37/248, train_loss: 0.1690, step time: 1.3436
Batch 38/248, train_loss: 0.2781, step time: 1.3300
Batch 39/248, train_loss: 0.1561, step time: 1.3274
Batch 40/248, train_loss: 0.5094, step time: 1.3189
Batch 41/248, train_loss: 0.2345, step time: 1.3162
Batch 42/248, train_loss: 0.0853, step time: 1.3359
Batch 43/248, train_loss: 0.0467, step time: 1.3182
Batch 44/248, train_loss: 0.2360, step time: 1.3502
Batch 45/248, train_loss: 0.6430, step time: 1.3145
Batch 46/248, train_loss: 0.1384, step time: 1.3333
Batch 47/248, train_loss: 0.0834, step time: 1.3083
Batch 48/248, train_loss: 0.1979, step time: 1.3461
Batch 49/248, train_loss: 0.3419, step time: 1.3566
Batch 50/248, train_loss: 0.1253, step time: 1.3197
Batch 51/248, train_loss: 0.1527, step time: 1.3120
Batch 52/248, train_loss: 0.0957, step time: 1.3203
Batch 53/248, train_loss: 0.3807, step time: 1.3216
Batch 54/248, train_loss: 0.2307, step time: 1.3158
Batch 55/248, train_loss: 0.2263, step time: 1.3397
Batch 56/248, train_loss: 0.1719, step time: 1.3191
Batch 57/248, train_loss: 0.2671, step time: 1.3489
Batch 58/248, train_loss: 0.0729, step time: 1.3199
Batch 59/248, train_loss: 0.0808, step time: 1.3417
Batch 60/248, train_loss: 0.0586, step time: 1.3311
Batch 61/248, train_loss: 0.0764, step time: 1.3354
Batch 62/248, train_loss: 0.2032, step time: 1.3394
Batch 63/248, train_loss: 0.3934, step time: 1.3400
Batch 64/248, train_loss: 0.4155, step time: 1.3576
Batch 65/248, train_loss: 0.2062, step time: 1.3245
Batch 66/248, train_loss: 0.1427, step time: 1.3186
Batch 67/248, train_loss: 0.0544, step time: 1.3297
```

Batch 68/248, train_loss: 0.0959, step time: 1.3175
Batch 69/248, train_loss: 0.3544, step time: 1.3443
Batch 70/248, train_loss: 0.1798, step time: 1.3102
Batch 71/248, train_loss: 0.1388, step time: 1.3340
Batch 72/248, train_loss: 0.0493, step time: 1.3047
Batch 73/248, train_loss: 0.0895, step time: 1.3138
Batch 74/248, train_loss: 0.9019, step time: 1.3178
Batch 75/248, train_loss: 0.1039, step time: 1.3261
Batch 76/248, train_loss: 0.4256, step time: 1.3170
Batch 77/248, train_loss: 0.6684, step time: 1.3273
Batch 78/248, train_loss: 0.0772, step time: 1.3097
Batch 79/248, train_loss: 0.1239, step time: 1.3254
Batch 80/248, train_loss: 0.1674, step time: 1.3108
Batch 81/248, train_loss: 0.1287, step time: 1.3369
Batch 82/248, train_loss: 0.0731, step time: 1.3174
Batch 83/248, train_loss: 0.4701, step time: 1.3324
Batch 84/248, train_loss: 0.1510, step time: 1.3243
Batch 85/248, train_loss: 0.3352, step time: 1.3421
Batch 86/248, train_loss: 0.2049, step time: 1.3331
Batch 87/248, train_loss: 0.7053, step time: 1.3321
Batch 88/248, train_loss: 0.2936, step time: 1.3274
Batch 89/248, train_loss: 0.0644, step time: 1.3091
Batch 90/248, train_loss: 0.1603, step time: 1.3420
Batch 91/248, train_loss: 0.3153, step time: 1.3312
Batch 92/248, train_loss: 0.9295, step time: 1.3231
Batch 93/248, train_loss: 0.1410, step time: 1.3170
Batch 94/248, train_loss: 0.2317, step time: 1.3495
Batch 95/248, train_loss: 0.1595, step time: 1.3198
Batch 96/248, train_loss: 0.1030, step time: 1.3030
Batch 97/248, train_loss: 0.4393, step time: 1.3173
Batch 98/248, train_loss: 0.0936, step time: 1.3334
Batch 99/248, train_loss: 0.2444, step time: 1.3254
Batch 100/248, train_loss: 0.2235, step time: 1.3211
Batch 101/248, train_loss: 0.0379, step time: 1.3285
Batch 102/248, train_loss: 0.0767, step time: 1.2972
Batch 103/248, train_loss: 0.2876, step time: 1.3442
Batch 104/248, train_loss: 0.2648, step time: 1.3168
Batch 105/248, train_loss: 0.0699, step time: 1.3118
Batch 106/248, train_loss: 0.1093, step time: 1.3385
Batch 107/248, train_loss: 0.2039, step time: 1.3359
Batch 108/248, train_loss: 0.5413, step time: 1.3244
Batch 109/248, train_loss: 0.9073, step time: 1.3464
Batch 110/248, train_loss: 0.3883, step time: 1.3329
Batch 111/248, train_loss: 0.0753, step time: 1.3285
Batch 112/248, train_loss: 0.0727, step time: 1.3210
Batch 113/248, train_loss: 0.4384, step time: 1.3112
Batch 114/248, train_loss: 0.0982, step time: 1.3194
Batch 115/248, train_loss: 0.1083, step time: 1.3283
Batch 116/248, train_loss: 0.0562, step time: 1.3227
Batch 117/248, train_loss: 0.5331, step time: 1.3480
Batch 118/248, train_loss: 0.1585, step time: 1.3393
Batch 119/248, train_loss: 0.2363, step time: 1.3164
Batch 120/248, train_loss: 0.2316, step time: 1.3249
Batch 121/248, train_loss: 0.2353, step time: 1.3240
Batch 122/248, train_loss: 0.3874, step time: 1.3396
Batch 123/248, train_loss: 0.0444, step time: 1.3429
Batch 124/248, train_loss: 0.2569, step time: 1.3209
Batch 125/248, train_loss: 0.7204, step time: 1.3463
Batch 126/248, train_loss: 0.3445, step time: 1.3231
Batch 127/248, train_loss: 0.0984, step time: 1.3398
Batch 128/248, train_loss: 0.1242, step time: 1.3437
Batch 129/248, train_loss: 0.0837, step time: 1.3184
Batch 130/248, train_loss: 0.1034, step time: 1.3303
Batch 131/248, train_loss: 0.3684, step time: 1.3279
Batch 132/248, train_loss: 0.2224, step time: 1.3369
Batch 133/248, train_loss: 0.1269, step time: 1.3455
Batch 134/248, train_loss: 0.6868, step time: 1.3504
Batch 135/248, train_loss: 0.2152, step time: 1.3271
Batch 136/248, train_loss: 0.0955, step time: 1.3339
Batch 137/248, train_loss: 0.1847, step time: 1.3371
Batch 138/248, train_loss: 0.0727, step time: 1.3265
Batch 139/248, train_loss: 0.1558, step time: 1.3504
Batch 140/248, train_loss: 0.2422, step time: 1.3553
Batch 141/248, train_loss: 0.1006, step time: 1.3221
Batch 142/248, train_loss: 0.4399, step time: 1.3214
Batch 143/248, train_loss: 0.1952, step time: 1.3380
Batch 144/248, train_loss: 0.1043, step time: 1.3540
Batch 145/248, train_loss: 0.1095, step time: 1.3250
Batch 146/248, train_loss: 0.3015, step time: 1.3132
Batch 147/248, train_loss: 0.0379, step time: 1.3118
Batch 148/248, train_loss: 0.4727, step time: 1.3455
Batch 149/248, train_loss: 0.1208, step time: 1.3323
Batch 150/248, train_loss: 0.4677, step time: 1.3439
Batch 151/248, train_loss: 0.2230, step time: 1.3435
Batch 152/248, train_loss: 0.0356, step time: 1.3236

Batch 153/248, train_loss: 0.3360, step time: 1.3390
Batch 154/248, train_loss: 0.5154, step time: 1.3233
Batch 155/248, train_loss: 0.1117, step time: 1.3298
Batch 156/248, train_loss: 0.1244, step time: 1.3195
Batch 157/248, train_loss: 0.2452, step time: 1.3157
Batch 158/248, train_loss: 0.7967, step time: 1.3499
Batch 159/248, train_loss: 0.3748, step time: 1.3324
Batch 160/248, train_loss: 0.0888, step time: 1.3259
Batch 161/248, train_loss: 0.0618, step time: 1.3452
Batch 162/248, train_loss: 0.0841, step time: 1.3113
Batch 163/248, train_loss: 0.1119, step time: 1.3269
Batch 164/248, train_loss: 0.2847, step time: 1.3415
Batch 165/248, train_loss: 0.3650, step time: 1.3212
Batch 166/248, train_loss: 0.0706, step time: 1.3193
Batch 167/248, train_loss: 0.1463, step time: 1.3375
Batch 168/248, train_loss: 0.1515, step time: 1.3256
Batch 169/248, train_loss: 0.0768, step time: 1.3352
Batch 170/248, train_loss: 0.5648, step time: 1.3307
Batch 171/248, train_loss: 0.0916, step time: 1.3347
Batch 172/248, train_loss: 0.3108, step time: 1.3467
Batch 173/248, train_loss: 0.0699, step time: 1.3184
Batch 174/248, train_loss: 0.6268, step time: 1.3305
Batch 175/248, train_loss: 0.1052, step time: 1.3191
Batch 176/248, train_loss: 0.3361, step time: 1.3439
Batch 177/248, train_loss: 0.2060, step time: 1.3355
Batch 178/248, train_loss: 0.3317, step time: 1.3195
Batch 179/248, train_loss: 0.0618, step time: 1.3234
Batch 180/248, train_loss: 0.5303, step time: 1.3574
Batch 181/248, train_loss: 0.0782, step time: 1.3338
Batch 182/248, train_loss: 0.6410, step time: 1.3296
Batch 183/248, train_loss: 0.1071, step time: 1.3356
Batch 184/248, train_loss: 0.1773, step time: 1.3141
Batch 185/248, train_loss: 0.0765, step time: 1.3513
Batch 186/248, train_loss: 0.0722, step time: 1.3072
Batch 187/248, train_loss: 0.1630, step time: 1.3310
Batch 188/248, train_loss: 0.2326, step time: 1.3279
Batch 189/248, train_loss: 0.4840, step time: 1.3319
Batch 190/248, train_loss: 0.1465, step time: 1.3582
Batch 191/248, train_loss: 0.6672, step time: 1.3479
Batch 192/248, train_loss: 0.2472, step time: 1.3466
Batch 193/248, train_loss: 0.2164, step time: 1.3152
Batch 194/248, train_loss: 0.1054, step time: 1.3444
Batch 195/248, train_loss: 0.5883, step time: 1.3542
Batch 196/248, train_loss: 0.8388, step time: 1.3251
Batch 197/248, train_loss: 0.1755, step time: 1.3477
Batch 198/248, train_loss: 0.5620, step time: 1.3208
Batch 199/248, train_loss: 0.2078, step time: 1.3237
Batch 200/248, train_loss: 0.1227, step time: 1.3171
Batch 201/248, train_loss: 0.1076, step time: 1.3074
Batch 202/248, train_loss: 0.4276, step time: 1.3294
Batch 203/248, train_loss: 0.3126, step time: 1.3421
Batch 204/248, train_loss: 0.1900, step time: 1.3483
Batch 205/248, train_loss: 0.2587, step time: 1.3269
Batch 206/248, train_loss: 0.3365, step time: 1.3264
Batch 207/248, train_loss: 0.0775, step time: 1.3325
Batch 208/248, train_loss: 0.1068, step time: 1.3425
Batch 209/248, train_loss: 0.1255, step time: 1.3493
Batch 210/248, train_loss: 0.0618, step time: 1.3311
Batch 211/248, train_loss: 0.0901, step time: 1.3277
Batch 212/248, train_loss: 0.2533, step time: 1.3388
Batch 213/248, train_loss: 0.2617, step time: 1.3174
Batch 214/248, train_loss: 0.0780, step time: 1.3445
Batch 215/248, train_loss: 0.2308, step time: 1.3280
Batch 216/248, train_loss: 0.1952, step time: 1.3444
Batch 217/248, train_loss: 0.2554, step time: 1.3467
Batch 218/248, train_loss: 0.7809, step time: 1.3397
Batch 219/248, train_loss: 0.0651, step time: 1.3399
Batch 220/248, train_loss: 0.1947, step time: 1.3433
Batch 221/248, train_loss: 0.2828, step time: 1.3378
Batch 222/248, train_loss: 0.2173, step time: 1.3513
Batch 223/248, train_loss: 0.0504, step time: 1.3380
Batch 224/248, train_loss: 0.1347, step time: 1.3255
Batch 225/248, train_loss: 0.1816, step time: 1.3402
Batch 226/248, train_loss: 0.1121, step time: 1.3257
Batch 227/248, train_loss: 0.1176, step time: 1.3231
Batch 228/248, train_loss: 0.1431, step time: 1.3391
Batch 229/248, train_loss: 0.1101, step time: 1.3403
Batch 230/248, train_loss: 0.1157, step time: 1.3371
Batch 231/248, train_loss: 0.5317, step time: 1.3257
Batch 232/248, train_loss: 0.0829, step time: 1.3284
Batch 233/248, train_loss: 0.7905, step time: 1.3182
Batch 234/248, train_loss: 0.3759, step time: 1.3488
Batch 235/248, train_loss: 0.2011, step time: 1.3466
Batch 236/248, train_loss: 0.7055, step time: 1.3477
Batch 237/248, train_loss: 0.1284, step time: 1.3287

```
-- -- -- -- -- -- -- -- -- -- -- --  
Batch 238/248, train_loss: 0.1039, step time: 1.3148  
Batch 239/248, train_loss: 0.0556, step time: 1.3148  
Batch 240/248, train_loss: 0.2542, step time: 1.3166  
Batch 241/248, train_loss: 0.6746, step time: 1.3556  
Batch 242/248, train_loss: 0.1336, step time: 1.3183  
Batch 243/248, train_loss: 0.3470, step time: 1.3183  
Batch 244/248, train_loss: 0.3384, step time: 1.3152  
Batch 245/248, train_loss: 0.0726, step time: 1.3197  
Batch 246/248, train_loss: 0.5259, step time: 1.3412  
Batch 247/248, train_loss: 0.0640, step time: 1.3074  
Batch 248/248, train_loss: 0.9998, step time: 1.3372
```

Labels



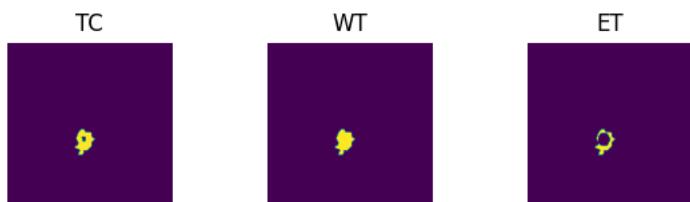
Predictions



VAL

```
Batch 1/31, val_loss: 0.8381  
Batch 2/31, val_loss: 0.9885  
Batch 3/31, val_loss: 0.9578  
Batch 4/31, val_loss: 0.9368  
Batch 5/31, val_loss: 0.9923  
Batch 6/31, val_loss: 0.6937  
Batch 7/31, val_loss: 0.8169  
Batch 8/31, val_loss: 0.9251  
Batch 9/31, val_loss: 0.6897  
Batch 10/31, val_loss: 0.9081  
Batch 11/31, val_loss: 0.8159  
Batch 12/31, val_loss: 0.9680  
Batch 13/31, val_loss: 0.9679  
Batch 14/31, val_loss: 0.9316  
Batch 15/31, val_loss: 0.9843  
Batch 16/31, val_loss: 0.9701  
Batch 17/31, val_loss: 0.9599  
Batch 18/31, val_loss: 0.9292  
Batch 19/31, val_loss: 0.7283  
Batch 20/31, val_loss: 0.8683  
Batch 21/31, val_loss: 0.8615  
Batch 22/31, val_loss: 0.9527  
Batch 23/31, val_loss: 0.9677  
Batch 24/31, val_loss: 0.7364  
Batch 25/31, val_loss: 0.7958  
Batch 26/31, val_loss: 0.9249  
Batch 27/31, val_loss: 0.9735  
Batch 28/31, val_loss: 0.7405  
Batch 29/31, val_loss: 0.9816  
Batch 30/31, val_loss: 0.9618  
Batch 31/31, val_loss: 0.9721
```

Labels



Predictions





```
epoch 90
average train loss: 0.2489
average validation loss: 0.8948
saved as best model: True
current mean dice: 0.6432
current TC dice: 0.6735
current WT dice: 0.6815
current ET dice: 0.6149
```

Best Mean Metric: 0.6432

time consuming of epoch 90 is: 1678.8774

epoch 91/100

TRAIN

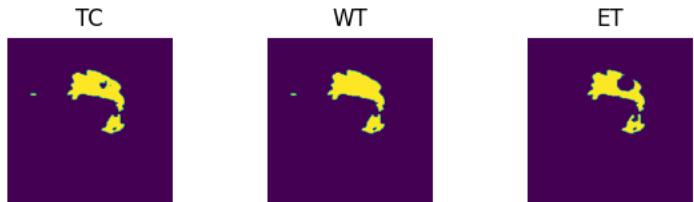
```
Batch 1/248, train_loss: 0.0709, step time: 1.3962
Batch 2/248, train_loss: 0.7030, step time: 1.3327
Batch 3/248, train_loss: 0.2910, step time: 1.3168
Batch 4/248, train_loss: 0.8240, step time: 1.3386
Batch 5/248, train_loss: 0.2125, step time: 1.3221
Batch 6/248, train_loss: 0.2163, step time: 1.3186
Batch 7/248, train_loss: 0.0534, step time: 1.3154
Batch 8/248, train_loss: 0.6261, step time: 1.3169
Batch 9/248, train_loss: 0.0450, step time: 1.3227
Batch 10/248, train_loss: 0.1904, step time: 1.3230
Batch 11/248, train_loss: 0.1280, step time: 1.3135
Batch 12/248, train_loss: 0.3228, step time: 1.3320
Batch 13/248, train_loss: 0.2852, step time: 1.3157
Batch 14/248, train_loss: 0.0763, step time: 1.3404
Batch 15/248, train_loss: 0.2822, step time: 1.3243
Batch 16/248, train_loss: 0.1525, step time: 1.3296
Batch 17/248, train_loss: 0.2163, step time: 1.3305
Batch 18/248, train_loss: 0.2565, step time: 1.3068
Batch 19/248, train_loss: 0.0966, step time: 1.3270
Batch 20/248, train_loss: 0.0700, step time: 1.3058
Batch 21/248, train_loss: 0.0374, step time: 1.3086
Batch 22/248, train_loss: 0.6500, step time: 1.3353
Batch 23/248, train_loss: 0.2999, step time: 1.3287
Batch 24/248, train_loss: 0.0666, step time: 1.3147
Batch 25/248, train_loss: 0.0476, step time: 1.3329
Batch 26/248, train_loss: 0.3585, step time: 1.3443
Batch 27/248, train_loss: 0.0691, step time: 1.3348
Batch 28/248, train_loss: 0.1397, step time: 1.3197
Batch 29/248, train_loss: 0.3743, step time: 1.3408
Batch 30/248, train_loss: 0.4064, step time: 1.3336
Batch 31/248, train_loss: 0.2546, step time: 1.3140
Batch 32/248, train_loss: 0.0632, step time: 1.3190
Batch 33/248, train_loss: 0.0614, step time: 1.3235
Batch 34/248, train_loss: 0.0438, step time: 1.3077
Batch 35/248, train_loss: 0.0572, step time: 1.3163
Batch 36/248, train_loss: 0.3827, step time: 1.3466
Batch 37/248, train_loss: 0.1248, step time: 1.3244
Batch 38/248, train_loss: 0.2874, step time: 1.3272
Batch 39/248, train_loss: 0.1545, step time: 1.3147
Batch 40/248, train_loss: 0.4993, step time: 1.3449
Batch 41/248, train_loss: 0.1884, step time: 1.3309
Batch 42/248, train_loss: 0.0729, step time: 1.3455
Batch 43/248, train_loss: 0.0644, step time: 1.3180
Batch 44/248, train_loss: 0.1134, step time: 1.3159
Batch 45/248, train_loss: 0.4677, step time: 1.3360
Batch 46/248, train_loss: 0.1352, step time: 1.3452
Batch 47/248, train_loss: 0.0629, step time: 1.3377
Batch 48/248, train_loss: 0.2277, step time: 1.3358
Batch 49/248, train_loss: 0.3463, step time: 1.3490
Batch 50/248, train_loss: 0.1189, step time: 1.3438
Batch 51/248, train_loss: 0.1171, step time: 1.3372
Batch 52/248, train_loss: 0.1043, step time: 1.3338
Batch 53/248, train_loss: 0.3379, step time: 1.3384
Batch 54/248, train_loss: 0.2071, step time: 1.3179
Batch 55/248, train_loss: 0.1925, step time: 1.3199
Batch 56/248, train_loss: 0.1489, step time: 1.3171
Batch 57/248, train_loss: 0.2042, step time: 1.3446
Batch 58/248, train_loss: 0.0587, step time: 1.3374
Batch 59/248, train_loss: 0.0801, step time: 1.3411
Batch 60/248, train_loss: 0.0474, step time: 1.3281
Batch 61/248, train_loss: 0.0694, step time: 1.3419
Batch 62/248, train_loss: 0.2275, step time: 1.3258
Batch 63/248, train_loss: 0.3816, step time: 1.3286
Batch 64/248, train_loss: 0.3528, step time: 1.3249
Batch 65/248, train_loss: 0.4404, step time: 1.3285
Batch 66/248, train_loss: 0.0953, step time: 1.3116
Batch 67/248, train loss: 0.0718, step time: 1.3310
```

Batch 68/248, train_loss: 0.1210, step time: 1.3367
Batch 69/248, train_loss: 0.4434, step time: 1.3403
Batch 70/248, train_loss: 0.1511, step time: 1.3202
Batch 71/248, train_loss: 0.1182, step time: 1.3104
Batch 72/248, train_loss: 0.0403, step time: 1.3068
Batch 73/248, train_loss: 0.1434, step time: 1.3356
Batch 74/248, train_loss: 0.9803, step time: 1.3349
Batch 75/248, train_loss: 0.0971, step time: 1.3319
Batch 76/248, train_loss: 0.4773, step time: 1.3331
Batch 77/248, train_loss: 0.7269, step time: 1.3460
Batch 78/248, train_loss: 0.0690, step time: 1.3310
Batch 79/248, train_loss: 0.1133, step time: 1.3465
Batch 80/248, train_loss: 0.1662, step time: 1.3470
Batch 81/248, train_loss: 0.1141, step time: 1.3151
Batch 82/248, train_loss: 0.0697, step time: 1.3263
Batch 83/248, train_loss: 0.4829, step time: 1.3168
Batch 84/248, train_loss: 0.2007, step time: 1.3225
Batch 85/248, train_loss: 0.3401, step time: 1.3300
Batch 86/248, train_loss: 0.1945, step time: 1.3161
Batch 87/248, train_loss: 0.7448, step time: 1.3407
Batch 88/248, train_loss: 0.3546, step time: 1.3449
Batch 89/248, train_loss: 0.0648, step time: 1.3294
Batch 90/248, train_loss: 0.5131, step time: 1.3427
Batch 91/248, train_loss: 0.3033, step time: 1.3256
Batch 92/248, train_loss: 0.5962, step time: 1.3366
Batch 93/248, train_loss: 0.1355, step time: 1.3142
Batch 94/248, train_loss: 0.1981, step time: 1.3326
Batch 95/248, train_loss: 0.1388, step time: 1.3373
Batch 96/248, train_loss: 0.1328, step time: 1.3134
Batch 97/248, train_loss: 0.4478, step time: 1.3377
Batch 98/248, train_loss: 0.1891, step time: 1.3477
Batch 99/248, train_loss: 0.2984, step time: 1.3360
Batch 100/248, train_loss: 0.2000, step time: 1.3443
Batch 101/248, train_loss: 0.0439, step time: 1.3357
Batch 102/248, train_loss: 0.1421, step time: 1.3139
Batch 103/248, train_loss: 0.2997, step time: 1.3553
Batch 104/248, train_loss: 0.2404, step time: 1.3434
Batch 105/248, train_loss: 0.0687, step time: 1.3118
Batch 106/248, train_loss: 0.1788, step time: 1.3292
Batch 107/248, train_loss: 0.1851, step time: 1.3318
Batch 108/248, train_loss: 0.5476, step time: 1.3157
Batch 109/248, train_loss: 0.9259, step time: 1.3402
Batch 110/248, train_loss: 0.2659, step time: 1.3321
Batch 111/248, train_loss: 0.0746, step time: 1.3210
Batch 112/248, train_loss: 0.1717, step time: 1.3100
Batch 113/248, train_loss: 0.8845, step time: 1.3307
Batch 114/248, train_loss: 0.1510, step time: 1.3192
Batch 115/248, train_loss: 0.1186, step time: 1.3405
Batch 116/248, train_loss: 0.0581, step time: 1.3174
Batch 117/248, train_loss: 0.5301, step time: 1.3265
Batch 118/248, train_loss: 0.2182, step time: 1.3509
Batch 119/248, train_loss: 0.2739, step time: 1.3283
Batch 120/248, train_loss: 0.1818, step time: 1.3263
Batch 121/248, train_loss: 0.2644, step time: 1.3276
Batch 122/248, train_loss: 0.3380, step time: 1.3267
Batch 123/248, train_loss: 0.0657, step time: 1.3125
Batch 124/248, train_loss: 0.2193, step time: 1.3317
Batch 125/248, train_loss: 0.4143, step time: 1.3428
Batch 126/248, train_loss: 0.2661, step time: 1.3259
Batch 127/248, train_loss: 0.1031, step time: 1.3458
Batch 128/248, train_loss: 0.1220, step time: 1.3338
Batch 129/248, train_loss: 0.0960, step time: 1.3427
Batch 130/248, train_loss: 0.0810, step time: 1.3278
Batch 131/248, train_loss: 0.3541, step time: 1.3189
Batch 132/248, train_loss: 0.1470, step time: 1.3446
Batch 133/248, train_loss: 0.1997, step time: 1.3408
Batch 134/248, train_loss: 0.7501, step time: 1.3318
Batch 135/248, train_loss: 0.1564, step time: 1.3367
Batch 136/248, train_loss: 0.1040, step time: 1.3495
Batch 137/248, train_loss: 0.1199, step time: 1.3210
Batch 138/248, train_loss: 0.0583, step time: 1.3399
Batch 139/248, train_loss: 0.1470, step time: 1.3453
Batch 140/248, train_loss: 0.1824, step time: 1.3532
Batch 141/248, train_loss: 0.1197, step time: 1.3197
Batch 142/248, train_loss: 0.5456, step time: 1.3434
Batch 143/248, train_loss: 0.2128, step time: 1.3286
Batch 144/248, train_loss: 0.1107, step time: 1.3388
Batch 145/248, train_loss: 0.0471, step time: 1.3433
Batch 146/248, train_loss: 0.2722, step time: 1.3341
Batch 147/248, train_loss: 0.0373, step time: 1.3217
Batch 148/248, train_loss: 0.4930, step time: 1.3303
Batch 149/248, train_loss: 0.1147, step time: 1.3297
Batch 150/248, train_loss: 0.4837, step time: 1.3357
Batch 151/248, train_loss: 0.1929, step time: 1.3173
Batch 152/248, train_loss: 0.0122, step time: 1.3166

Batch 122/248, train_loss: 0.0755, step time: 1.3100
Batch 153/248, train_loss: 0.1637, step time: 1.3525
Batch 154/248, train_loss: 0.4829, step time: 1.3184
Batch 155/248, train_loss: 0.1019, step time: 1.3268
Batch 156/248, train_loss: 0.1301, step time: 1.3343
Batch 157/248, train_loss: 0.2864, step time: 1.3145
Batch 158/248, train_loss: 0.7945, step time: 1.3508
Batch 159/248, train_loss: 0.3110, step time: 1.3509
Batch 160/248, train_loss: 0.0680, step time: 1.3187
Batch 161/248, train_loss: 0.0699, step time: 1.3369
Batch 162/248, train_loss: 0.1737, step time: 1.3295
Batch 163/248, train_loss: 0.1251, step time: 1.3162
Batch 164/248, train_loss: 0.1528, step time: 1.3142
Batch 165/248, train_loss: 0.4106, step time: 1.3413
Batch 166/248, train_loss: 0.0663, step time: 1.3372
Batch 167/248, train_loss: 0.1513, step time: 1.3523
Batch 168/248, train_loss: 0.1264, step time: 1.3337
Batch 169/248, train_loss: 0.0989, step time: 1.3382
Batch 170/248, train_loss: 0.4583, step time: 1.3217
Batch 171/248, train_loss: 0.0757, step time: 1.3351
Batch 172/248, train_loss: 0.3020, step time: 1.3241
Batch 173/248, train_loss: 0.0739, step time: 1.3111
Batch 174/248, train_loss: 0.8221, step time: 1.3250
Batch 175/248, train_loss: 0.0978, step time: 1.3361
Batch 176/248, train_loss: 0.3114, step time: 1.3352
Batch 177/248, train_loss: 0.2050, step time: 1.3143
Batch 178/248, train_loss: 0.2235, step time: 1.3265
Batch 179/248, train_loss: 0.0660, step time: 1.3291
Batch 180/248, train_loss: 0.3209, step time: 1.3383
Batch 181/248, train_loss: 0.0813, step time: 1.3233
Batch 182/248, train_loss: 0.6279, step time: 1.3376
Batch 183/248, train_loss: 0.0768, step time: 1.3271
Batch 184/248, train_loss: 0.1847, step time: 1.3240
Batch 185/248, train_loss: 0.0698, step time: 1.3338
Batch 186/248, train_loss: 0.0825, step time: 1.3310
Batch 187/248, train_loss: 0.1834, step time: 1.3397
Batch 188/248, train_loss: 0.1805, step time: 1.3444
Batch 189/248, train_loss: 0.3925, step time: 1.3371
Batch 190/248, train_loss: 0.1136, step time: 1.3451
Batch 191/248, train_loss: 0.6493, step time: 1.3510
Batch 192/248, train_loss: 0.2241, step time: 1.3219
Batch 193/248, train_loss: 0.2126, step time: 1.3100
Batch 194/248, train_loss: 0.0770, step time: 1.3389
Batch 195/248, train_loss: 0.5540, step time: 1.3574
Batch 196/248, train_loss: 0.5546, step time: 1.3297
Batch 197/248, train_loss: 0.1616, step time: 1.3421
Batch 198/248, train_loss: 0.4124, step time: 1.3166
Batch 199/248, train_loss: 0.1256, step time: 1.3317
Batch 200/248, train_loss: 0.1274, step time: 1.3276
Batch 201/248, train_loss: 0.1018, step time: 1.3189
Batch 202/248, train_loss: 0.3651, step time: 1.3501
Batch 203/248, train_loss: 0.2919, step time: 1.3285
Batch 204/248, train_loss: 0.1014, step time: 1.3173
Batch 205/248, train_loss: 0.2081, step time: 1.3260
Batch 206/248, train_loss: 0.3850, step time: 1.3557
Batch 207/248, train_loss: 0.0599, step time: 1.3400
Batch 208/248, train_loss: 0.1106, step time: 1.3376
Batch 209/248, train_loss: 0.1230, step time: 1.3257
Batch 210/248, train_loss: 0.0572, step time: 1.3387
Batch 211/248, train_loss: 0.0616, step time: 1.3052
Batch 212/248, train_loss: 0.1913, step time: 1.3204
Batch 213/248, train_loss: 0.1325, step time: 1.3183
Batch 214/248, train_loss: 0.0669, step time: 1.3265
Batch 215/248, train_loss: 0.3297, step time: 1.3206
Batch 216/248, train_loss: 0.1630, step time: 1.3472
Batch 217/248, train_loss: 0.2256, step time: 1.3228
Batch 218/248, train_loss: 0.6911, step time: 1.3462
Batch 219/248, train_loss: 0.0582, step time: 1.3228
Batch 220/248, train_loss: 0.1748, step time: 1.3235
Batch 221/248, train_loss: 0.2540, step time: 1.3298
Batch 222/248, train_loss: 0.2132, step time: 1.3135
Batch 223/248, train_loss: 0.0444, step time: 1.3150
Batch 224/248, train_loss: 0.0735, step time: 1.3398
Batch 225/248, train_loss: 0.1960, step time: 1.3092
Batch 226/248, train_loss: 0.0982, step time: 1.3441
Batch 227/248, train_loss: 0.0788, step time: 1.3117
Batch 228/248, train_loss: 0.1395, step time: 1.3233
Batch 229/248, train_loss: 0.0766, step time: 1.3374
Batch 230/248, train_loss: 0.0601, step time: 1.3448
Batch 231/248, train_loss: 0.2655, step time: 1.3420
Batch 232/248, train_loss: 0.0773, step time: 1.3270
Batch 233/248, train_loss: 0.7872, step time: 1.3354
Batch 234/248, train_loss: 0.3791, step time: 1.3571
Batch 235/248, train_loss: 0.2047, step time: 1.3284
Batch 236/248, train_loss: 0.6979, step time: 1.3196

```
Batch 237/248, train_loss: 0.1100, step time: 1.3237  
Batch 238/248, train_loss: 0.0838, step time: 1.3319  
Batch 239/248, train_loss: 0.0607, step time: 1.3352  
Batch 240/248, train_loss: 0.2465, step time: 1.3273  
Batch 241/248, train_loss: 0.6373, step time: 1.3232  
Batch 242/248, train_loss: 0.1468, step time: 1.3238  
Batch 243/248, train_loss: 0.3718, step time: 1.3436  
Batch 244/248, train_loss: 0.3123, step time: 1.3320  
Batch 245/248, train_loss: 0.0702, step time: 1.3459  
Batch 246/248, train_loss: 0.4847, step time: 1.3427  
Batch 247/248, train_loss: 0.0626, step time: 1.3125  
Batch 248/248, train_loss: 0.9995, step time: 1.3131
```

Labels



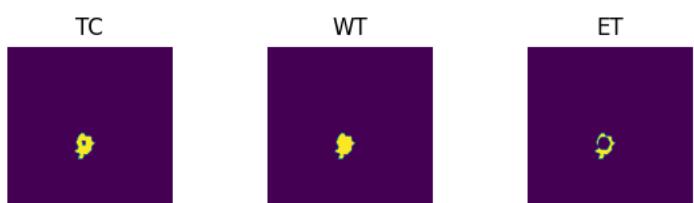
Predictions



VAL

```
Batch 1/31, val_loss: 0.8328  
Batch 2/31, val_loss: 0.9887  
Batch 3/31, val_loss: 0.9591  
Batch 4/31, val_loss: 0.9308  
Batch 5/31, val_loss: 0.9919  
Batch 6/31, val_loss: 0.6944  
Batch 7/31, val_loss: 0.8168  
Batch 8/31, val_loss: 0.9389  
Batch 9/31, val_loss: 0.6873  
Batch 10/31, val_loss: 0.9071  
Batch 11/31, val_loss: 0.8143  
Batch 12/31, val_loss: 0.9673  
Batch 13/31, val_loss: 0.9801  
Batch 14/31, val_loss: 0.9318  
Batch 15/31, val_loss: 0.9841  
Batch 16/31, val_loss: 0.9700  
Batch 17/31, val_loss: 0.9648  
Batch 18/31, val_loss: 0.9284  
Batch 19/31, val_loss: 0.7287  
Batch 20/31, val_loss: 0.8599  
Batch 21/31, val_loss: 0.8712  
Batch 22/31, val_loss: 0.9565  
Batch 23/31, val_loss: 0.9678  
Batch 24/31, val_loss: 0.7356  
Batch 25/31, val_loss: 0.7972  
Batch 26/31, val_loss: 0.9236  
Batch 27/31, val_loss: 0.9718  
Batch 28/31, val_loss: 0.7389  
Batch 29/31, val_loss: 0.9817  
Batch 30/31, val_loss: 0.9623  
Batch 31/31, val_loss: 0.9711
```

Labels



Predictions





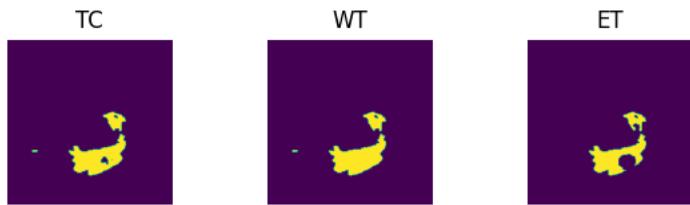
```
epoch 91
average train loss: 0.2384
average validation loss: 0.8951
saved as best model: False
current mean dice: 0.6373
current TC dice: 0.6691
current WT dice: 0.6768
current ET dice: 0.6044
Best Mean Metric: 0.6432
time consuming of epoch 91 is: 1679.0488
-----
epoch 92/100
TRAIN
Batch 1/248, train_loss: 0.0677, step time: 1.3772
Batch 2/248, train_loss: 0.6861, step time: 1.3487
Batch 3/248, train_loss: 0.2571, step time: 1.3544
Batch 4/248, train_loss: 0.9004, step time: 1.3258
Batch 5/248, train_loss: 0.2045, step time: 1.3204
Batch 6/248, train_loss: 0.1699, step time: 1.3380
Batch 7/248, train_loss: 0.0643, step time: 1.3442
Batch 8/248, train_loss: 0.5788, step time: 1.3431
Batch 9/248, train_loss: 0.0357, step time: 1.3017
Batch 10/248, train_loss: 0.2243, step time: 1.3138
Batch 11/248, train_loss: 0.1422, step time: 1.3169
Batch 12/248, train_loss: 0.3269, step time: 1.3181
Batch 13/248, train_loss: 0.2693, step time: 1.3477
Batch 14/248, train_loss: 0.0485, step time: 1.3437
Batch 15/248, train_loss: 0.2957, step time: 1.3151
Batch 16/248, train_loss: 0.1307, step time: 1.3287
Batch 17/248, train_loss: 0.2258, step time: 1.3168
Batch 18/248, train_loss: 0.2635, step time: 1.3382
Batch 19/248, train_loss: 0.0795, step time: 1.3290
Batch 20/248, train_loss: 0.0923, step time: 1.3233
Batch 21/248, train_loss: 0.0425, step time: 1.3182
Batch 22/248, train_loss: 0.2760, step time: 1.3211
Batch 23/248, train_loss: 0.3043, step time: 1.3434
Batch 24/248, train_loss: 0.0857, step time: 1.3279
Batch 25/248, train_loss: 0.0456, step time: 1.3393
Batch 26/248, train_loss: 0.3741, step time: 1.3204
Batch 27/248, train_loss: 0.0612, step time: 1.3273
Batch 28/248, train_loss: 0.1444, step time: 1.3447
Batch 29/248, train_loss: 0.3417, step time: 1.3270
Batch 30/248, train_loss: 0.3972, step time: 1.3420
Batch 31/248, train_loss: 0.2427, step time: 1.3149
Batch 32/248, train_loss: 0.0552, step time: 1.3152
Batch 33/248, train_loss: 0.1063, step time: 1.3182
Batch 34/248, train_loss: 0.0342, step time: 1.3345
Batch 35/248, train_loss: 0.0521, step time: 1.3359
Batch 36/248, train_loss: 0.5648, step time: 1.3527
Batch 37/248, train_loss: 0.1152, step time: 1.3076
Batch 38/248, train_loss: 0.2566, step time: 1.3314
Batch 39/248, train_loss: 0.1476, step time: 1.3238
Batch 40/248, train_loss: 0.5015, step time: 1.3489
Batch 41/248, train_loss: 0.1855, step time: 1.3364
Batch 42/248, train_loss: 0.0759, step time: 1.3451
Batch 43/248, train_loss: 0.0504, step time: 1.3040
Batch 44/248, train_loss: 0.1285, step time: 1.3220
Batch 45/248, train_loss: 0.4174, step time: 1.3371
Batch 46/248, train_loss: 0.1364, step time: 1.3390
Batch 47/248, train_loss: 0.0768, step time: 1.3187
Batch 48/248, train_loss: 0.5427, step time: 1.3487
Batch 49/248, train_loss: 0.3481, step time: 1.3218
Batch 50/248, train_loss: 0.1039, step time: 1.3030
Batch 51/248, train_loss: 0.1250, step time: 1.3284
Batch 52/248, train_loss: 0.0883, step time: 1.3268
Batch 53/248, train_loss: 0.3241, step time: 1.3204
Batch 54/248, train_loss: 0.2297, step time: 1.3225
Batch 55/248, train_loss: 0.1794, step time: 1.3318
Batch 56/248, train_loss: 0.1484, step time: 1.3486
Batch 57/248, train_loss: 0.2200, step time: 1.3131
Batch 58/248, train_loss: 0.0687, step time: 1.3251
Batch 59/248, train_loss: 0.0761, step time: 1.3242
Batch 60/248, train_loss: 0.0525, step time: 1.3162
Batch 61/248, train_loss: 0.0820, step time: 1.3244
Batch 62/248, train_loss: 0.2269, step time: 1.3436
Batch 63/248, train_loss: 0.3868, step time: 1.3490
Batch 64/248, train_loss: 0.4063, step time: 1.3408
Batch 65/248, train_loss: 0.2497, step time: 1.3429
Batch 66/248, train_loss: 0.1191, step time: 1.3300
Batch 67/248, train_loss: 0.0652, step time: 1.3188
```

Batch 0/248, train_loss: 0.0052, step time: 1.3100
Batch 68/248, train_loss: 0.0864, step time: 1.3214
Batch 69/248, train_loss: 0.4483, step time: 1.3257
Batch 70/248, train_loss: 0.1160, step time: 1.3138
Batch 71/248, train_loss: 0.1161, step time: 1.3161
Batch 72/248, train_loss: 0.0597, step time: 1.3374
Batch 73/248, train_loss: 0.1297, step time: 1.3382
Batch 74/248, train_loss: 0.3796, step time: 1.3465
Batch 75/248, train_loss: 0.0932, step time: 1.3462
Batch 76/248, train_loss: 0.3934, step time: 1.3538
Batch 77/248, train_loss: 0.9254, step time: 1.3354
Batch 78/248, train_loss: 0.0698, step time: 1.3262
Batch 79/248, train_loss: 0.1335, step time: 1.3439
Batch 80/248, train_loss: 0.1675, step time: 1.3283
Batch 81/248, train_loss: 0.1129, step time: 1.3304
Batch 82/248, train_loss: 0.0737, step time: 1.3298
Batch 83/248, train_loss: 0.5049, step time: 1.3635
Batch 84/248, train_loss: 0.1724, step time: 1.3627
Batch 85/248, train_loss: 0.3475, step time: 1.3393
Batch 86/248, train_loss: 0.2174, step time: 1.3409
Batch 87/248, train_loss: 0.7318, step time: 1.3704
Batch 88/248, train_loss: 0.3176, step time: 1.3502
Batch 89/248, train_loss: 0.0704, step time: 1.3502
Batch 90/248, train_loss: 0.1857, step time: 1.3776
Batch 91/248, train_loss: 0.3128, step time: 1.3601
Batch 92/248, train_loss: 0.6338, step time: 1.3678
Batch 93/248, train_loss: 0.1297, step time: 1.3658
Batch 94/248, train_loss: 0.2087, step time: 1.3888
Batch 95/248, train_loss: 0.1583, step time: 1.3752
Batch 96/248, train_loss: 0.0989, step time: 1.3588
Batch 97/248, train_loss: 0.3874, step time: 1.3611
Batch 98/248, train_loss: 0.1162, step time: 1.3815
Batch 99/248, train_loss: 0.3588, step time: 1.3703
Batch 100/248, train_loss: 0.2315, step time: 1.3670
Batch 101/248, train_loss: 0.0376, step time: 1.3683
Batch 102/248, train_loss: 0.0909, step time: 1.3728
Batch 103/248, train_loss: 0.3037, step time: 1.4019
Batch 104/248, train_loss: 0.2552, step time: 1.3793
Batch 105/248, train_loss: 0.0868, step time: 1.3826
Batch 106/248, train_loss: 0.1218, step time: 1.3658
Batch 107/248, train_loss: 0.2257, step time: 1.3733
Batch 108/248, train_loss: 0.6979, step time: 1.3933
Batch 109/248, train_loss: 0.7780, step time: 1.3864
Batch 110/248, train_loss: 0.3290, step time: 1.3988
Batch 111/248, train_loss: 0.0939, step time: 1.3855
Batch 112/248, train_loss: 0.0731, step time: 1.3896
Batch 113/248, train_loss: 0.4534, step time: 1.3973
Batch 114/248, train_loss: 0.1127, step time: 1.3614
Batch 115/248, train_loss: 0.1048, step time: 1.3908
Batch 116/248, train_loss: 0.0633, step time: 1.3687
Batch 117/248, train_loss: 0.5099, step time: 1.3808
Batch 118/248, train_loss: 0.1293, step time: 1.3879
Batch 119/248, train_loss: 0.2423, step time: 1.3678
Batch 120/248, train_loss: 0.1836, step time: 1.3937
Batch 121/248, train_loss: 0.2528, step time: 1.3922
Batch 122/248, train_loss: 0.3803, step time: 1.3729
Batch 123/248, train_loss: 0.0498, step time: 1.3560
Batch 124/248, train_loss: 0.2151, step time: 1.3706
Batch 125/248, train_loss: 0.6611, step time: 1.3767
Batch 126/248, train_loss: 0.3115, step time: 1.3942
Batch 127/248, train_loss: 0.0856, step time: 1.3779
Batch 128/248, train_loss: 0.1378, step time: 1.3676
Batch 129/248, train_loss: 0.0870, step time: 1.3684
Batch 130/248, train_loss: 0.1040, step time: 1.3940
Batch 131/248, train_loss: 0.3428, step time: 1.3581
Batch 132/248, train_loss: 0.1535, step time: 1.3773
Batch 133/248, train_loss: 0.1325, step time: 1.3699
Batch 134/248, train_loss: 0.7160, step time: 1.3749
Batch 135/248, train_loss: 0.1915, step time: 1.3865
Batch 136/248, train_loss: 0.0833, step time: 1.3534
Batch 137/248, train_loss: 0.1543, step time: 1.3798
Batch 138/248, train_loss: 0.0730, step time: 1.3770
Batch 139/248, train_loss: 0.1585, step time: 1.3776
Batch 140/248, train_loss: 0.2286, step time: 1.3905
Batch 141/248, train_loss: 0.1109, step time: 1.3661
Batch 142/248, train_loss: 0.5532, step time: 1.3746
Batch 143/248, train_loss: 0.1813, step time: 1.3905
Batch 144/248, train_loss: 0.1200, step time: 1.3895
Batch 145/248, train_loss: 0.1003, step time: 1.3846
Batch 146/248, train_loss: 0.2555, step time: 1.3659
Batch 147/248, train_loss: 0.0338, step time: 1.3515
Batch 148/248, train_loss: 0.4564, step time: 1.3983
Batch 149/248, train_loss: 0.1129, step time: 1.3920
Batch 150/248, train_loss: 0.2876, step time: 1.3626
Batch 151/248, train_loss: 0.2195, step time: 1.3986

Batch 152/248, train_loss: 0.0431, step time: 1.3639
Batch 153/248, train_loss: 0.1891, step time: 1.3721
Batch 154/248, train_loss: 0.5485, step time: 1.3691
Batch 155/248, train_loss: 0.1175, step time: 1.3895
Batch 156/248, train_loss: 0.1187, step time: 1.3765
Batch 157/248, train_loss: 0.2697, step time: 1.3589
Batch 158/248, train_loss: 0.8227, step time: 1.3649
Batch 159/248, train_loss: 0.2829, step time: 1.3864
Batch 160/248, train_loss: 0.1071, step time: 1.3810
Batch 161/248, train_loss: 0.0765, step time: 1.3613
Batch 162/248, train_loss: 0.0536, step time: 1.3588
Batch 163/248, train_loss: 0.0980, step time: 1.3713
Batch 164/248, train_loss: 0.1407, step time: 1.3978
Batch 165/248, train_loss: 0.5063, step time: 1.3857
Batch 166/248, train_loss: 0.0782, step time: 1.3996
Batch 167/248, train_loss: 0.1351, step time: 1.3934
Batch 168/248, train_loss: 0.1270, step time: 1.3564
Batch 169/248, train_loss: 0.0835, step time: 1.3769
Batch 170/248, train_loss: 0.4455, step time: 1.3855
Batch 171/248, train_loss: 0.0802, step time: 1.3945
Batch 172/248, train_loss: 0.3529, step time: 1.3941
Batch 173/248, train_loss: 0.2817, step time: 1.3861
Batch 174/248, train_loss: 0.6690, step time: 1.3751
Batch 175/248, train_loss: 0.0864, step time: 1.3670
Batch 176/248, train_loss: 0.2945, step time: 1.3920
Batch 177/248, train_loss: 0.1694, step time: 1.4037
Batch 178/248, train_loss: 0.1670, step time: 1.3776
Batch 179/248, train_loss: 0.0573, step time: 1.3581
Batch 180/248, train_loss: 0.2775, step time: 1.3839
Batch 181/248, train_loss: 0.0836, step time: 1.3658
Batch 182/248, train_loss: 0.8688, step time: 1.3676
Batch 183/248, train_loss: 0.0767, step time: 1.3820
Batch 184/248, train_loss: 0.2055, step time: 1.3655
Batch 185/248, train_loss: 0.0693, step time: 1.3817
Batch 186/248, train_loss: 0.0892, step time: 1.3908
Batch 187/248, train_loss: 0.1650, step time: 1.3958
Batch 188/248, train_loss: 0.2111, step time: 1.3702
Batch 189/248, train_loss: 0.4189, step time: 1.4007
Batch 190/248, train_loss: 0.0971, step time: 1.3833
Batch 191/248, train_loss: 0.6307, step time: 1.3948
Batch 192/248, train_loss: 0.2435, step time: 1.3939
Batch 193/248, train_loss: 0.2213, step time: 1.3652
Batch 194/248, train_loss: 0.0761, step time: 1.3736
Batch 195/248, train_loss: 0.5560, step time: 1.3837
Batch 196/248, train_loss: 0.5209, step time: 1.3693
Batch 197/248, train_loss: 0.1627, step time: 1.3835
Batch 198/248, train_loss: 0.4394, step time: 1.3893
Batch 199/248, train_loss: 0.1257, step time: 1.3838
Batch 200/248, train_loss: 0.1020, step time: 1.3747
Batch 201/248, train_loss: 0.1040, step time: 1.3667
Batch 202/248, train_loss: 0.4854, step time: 1.3668
Batch 203/248, train_loss: 0.3160, step time: 1.4010
Batch 204/248, train_loss: 0.1051, step time: 1.3780
Batch 205/248, train_loss: 0.2581, step time: 1.3705
Batch 206/248, train_loss: 0.4199, step time: 1.4000
Batch 207/248, train_loss: 0.0882, step time: 1.3992
Batch 208/248, train_loss: 0.1182, step time: 1.3777
Batch 209/248, train_loss: 0.1173, step time: 1.3661
Batch 210/248, train_loss: 0.0697, step time: 1.3785
Batch 211/248, train_loss: 0.0643, step time: 1.3842
Batch 212/248, train_loss: 0.2342, step time: 1.3830
Batch 213/248, train_loss: 0.1831, step time: 1.3968
Batch 214/248, train_loss: 0.0753, step time: 1.3786
Batch 215/248, train_loss: 0.2181, step time: 1.3777
Batch 216/248, train_loss: 0.1684, step time: 1.3900
Batch 217/248, train_loss: 0.2403, step time: 1.4012
Batch 218/248, train_loss: 0.6877, step time: 1.3956
Batch 219/248, train_loss: 0.0706, step time: 1.3723
Batch 220/248, train_loss: 0.2105, step time: 1.3968
Batch 221/248, train_loss: 0.2938, step time: 1.3832
Batch 222/248, train_loss: 0.2142, step time: 1.3618
Batch 223/248, train_loss: 0.0407, step time: 1.3871
Batch 224/248, train_loss: 0.0906, step time: 1.3708
Batch 225/248, train_loss: 0.3043, step time: 1.3828
Batch 226/248, train_loss: 0.2758, step time: 1.3852
Batch 227/248, train_loss: 0.0842, step time: 1.3692
Batch 228/248, train_loss: 0.1355, step time: 1.3618
Batch 229/248, train_loss: 0.0729, step time: 1.3698
Batch 230/248, train_loss: 0.0787, step time: 1.3612
Batch 231/248, train_loss: 0.3070, step time: 1.4043
Batch 232/248, train_loss: 0.0735, step time: 1.3951
Batch 233/248, train_loss: 0.9618, step time: 1.3825
Batch 234/248, train_loss: 0.3542, step time: 1.3823
Batch 235/248, train_loss: 0.2509, step time: 1.3684
Batch 236/248, train_loss: 0.7133, step time: 1.3656

```
Batch 237/248, train_loss: 0.1212, step time: 1.3629  
Batch 238/248, train_loss: 0.0883, step time: 1.3623  
Batch 239/248, train_loss: 0.0437, step time: 1.3514  
Batch 240/248, train_loss: 0.2844, step time: 1.3682  
Batch 241/248, train_loss: 0.6302, step time: 1.3904  
Batch 242/248, train_loss: 0.1605, step time: 1.3910  
Batch 243/248, train_loss: 0.3239, step time: 1.3645  
Batch 244/248, train_loss: 0.3894, step time: 1.3977  
Batch 245/248, train_loss: 0.0687, step time: 1.3844  
Batch 246/248, train_loss: 0.5433, step time: 1.3758  
Batch 247/248, train_loss: 0.0601, step time: 1.3758  
Batch 248/248, train_loss: 0.9997, step time: 1.3661
```

Labels



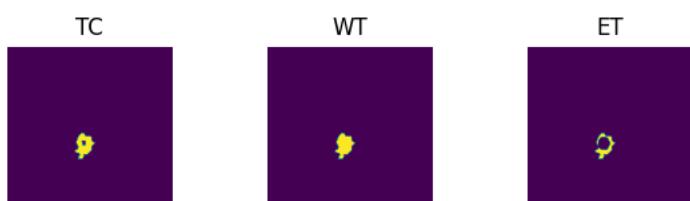
Predictions



VAL

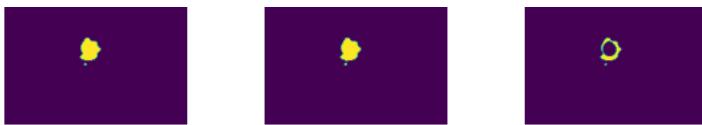
```
Batch 1/31, val_loss: 0.8332  
Batch 2/31, val_loss: 0.9885  
Batch 3/31, val_loss: 0.9572  
Batch 4/31, val_loss: 0.9376  
Batch 5/31, val_loss: 0.9904  
Batch 6/31, val_loss: 0.6869  
Batch 7/31, val_loss: 0.8173  
Batch 8/31, val_loss: 0.9458  
Batch 9/31, val_loss: 0.6867  
Batch 10/31, val_loss: 0.9078  
Batch 11/31, val_loss: 0.8141  
Batch 12/31, val_loss: 0.9640  
Batch 13/31, val_loss: 0.9974  
Batch 14/31, val_loss: 0.9315  
Batch 15/31, val_loss: 0.9844  
Batch 16/31, val_loss: 0.9698  
Batch 17/31, val_loss: 0.9662  
Batch 18/31, val_loss: 0.9302  
Batch 19/31, val_loss: 0.7332  
Batch 20/31, val_loss: 0.8579  
Batch 21/31, val_loss: 0.8709  
Batch 22/31, val_loss: 0.9595  
Batch 23/31, val_loss: 0.9674  
Batch 24/31, val_loss: 0.7306  
Batch 25/31, val_loss: 0.7977  
Batch 26/31, val_loss: 0.9196  
Batch 27/31, val_loss: 0.9764  
Batch 28/31, val_loss: 0.7409  
Batch 29/31, val_loss: 0.9809  
Batch 30/31, val_loss: 0.9622  
Batch 31/31, val_loss: 0.9718
```

Labels



Predictions





```
epoch 92
  average train loss: 0.2375
  average validation loss: 0.8961
  saved as best model: False
  current mean dice: 0.6354
  current TC dice: 0.6699
  current WT dice: 0.6757
  current ET dice: 0.5963
Best Mean Metric: 0.6432
time consuming of epoch 92 is: 1688.6087
-----
```

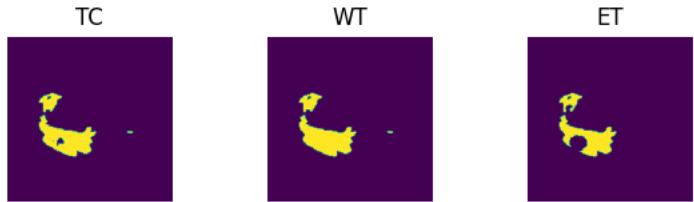
```
epoch 93/100
TRAIN
  Batch 1/248, train_loss: 0.0746, step time: 1.4303
  Batch 2/248, train_loss: 0.7143, step time: 1.3661
  Batch 3/248, train_loss: 0.2768, step time: 1.3586
  Batch 4/248, train_loss: 0.9047, step time: 1.3832
  Batch 5/248, train_loss: 0.2215, step time: 1.3775
  Batch 6/248, train_loss: 0.2145, step time: 1.3660
  Batch 7/248, train_loss: 0.0543, step time: 1.3801
  Batch 8/248, train_loss: 0.6361, step time: 1.3868
  Batch 9/248, train_loss: 0.0353, step time: 1.3650
  Batch 10/248, train_loss: 0.2205, step time: 1.3779
  Batch 11/248, train_loss: 0.1268, step time: 1.3741
  Batch 12/248, train_loss: 0.2675, step time: 1.3910
  Batch 13/248, train_loss: 0.2658, step time: 1.3979
  Batch 14/248, train_loss: 0.0596, step time: 1.3827
  Batch 15/248, train_loss: 0.3250, step time: 1.3944
  Batch 16/248, train_loss: 0.1783, step time: 1.3637
  Batch 17/248, train_loss: 0.1692, step time: 1.3609
  Batch 18/248, train_loss: 0.2766, step time: 1.3627
  Batch 19/248, train_loss: 0.4165, step time: 1.3679
  Batch 20/248, train_loss: 0.0715, step time: 1.3600
  Batch 21/248, train_loss: 0.0412, step time: 1.3767
  Batch 22/248, train_loss: 0.3550, step time: 1.3847
  Batch 23/248, train_loss: 0.2688, step time: 1.4105
  Batch 24/248, train_loss: 0.0691, step time: 1.3503
  Batch 25/248, train_loss: 0.0482, step time: 1.3846
  Batch 26/248, train_loss: 0.3747, step time: 1.3757
  Batch 27/248, train_loss: 0.0702, step time: 1.3954
  Batch 28/248, train_loss: 0.1379, step time: 1.3678
  Batch 29/248, train_loss: 0.3606, step time: 1.3788
  Batch 30/248, train_loss: 0.2244, step time: 1.3639
  Batch 31/248, train_loss: 0.2498, step time: 1.3719
  Batch 32/248, train_loss: 0.0694, step time: 1.3580
  Batch 33/248, train_loss: 0.0684, step time: 1.3696
  Batch 34/248, train_loss: 0.0412, step time: 1.3697
  Batch 35/248, train_loss: 0.0550, step time: 1.3914
  Batch 36/248, train_loss: 0.3965, step time: 1.3968
  Batch 37/248, train_loss: 0.1242, step time: 1.3568
  Batch 38/248, train_loss: 0.2824, step time: 1.3696
  Batch 39/248, train_loss: 0.1527, step time: 1.3982
  Batch 40/248, train_loss: 0.4828, step time: 1.3827
  Batch 41/248, train_loss: 0.1619, step time: 1.3928
  Batch 42/248, train_loss: 0.0740, step time: 1.3729
  Batch 43/248, train_loss: 0.0411, step time: 1.3563
  Batch 44/248, train_loss: 0.0949, step time: 1.3812
  Batch 45/248, train_loss: 0.4918, step time: 1.3893
  Batch 46/248, train_loss: 0.1477, step time: 1.3737
  Batch 47/248, train_loss: 0.0610, step time: 1.3749
  Batch 48/248, train_loss: 0.1851, step time: 1.3838
  Batch 49/248, train_loss: 0.3765, step time: 1.4003
  Batch 50/248, train_loss: 0.1237, step time: 1.3839
  Batch 51/248, train_loss: 0.1391, step time: 1.3778
  Batch 52/248, train_loss: 0.0880, step time: 1.3714
  Batch 53/248, train_loss: 0.3117, step time: 1.3767
  Batch 54/248, train_loss: 0.2169, step time: 1.3914
  Batch 55/248, train_loss: 0.1958, step time: 1.3929
  Batch 56/248, train_loss: 0.1370, step time: 1.3657
  Batch 57/248, train_loss: 0.2094, step time: 1.3689
  Batch 58/248, train_loss: 0.0595, step time: 1.3632
  Batch 59/248, train_loss: 0.0671, step time: 1.3499
  Batch 60/248, train_loss: 0.0541, step time: 1.4003
  Batch 61/248, train_loss: 0.0679, step time: 1.3717
  Batch 62/248, train_loss: 0.1767, step time: 1.3659
  Batch 63/248, train_loss: 0.3439, step time: 1.3788
  Batch 64/248, train_loss: 0.3627, step time: 1.3743
  Batch 65/248, train_loss: 0.2006, step time: 1.3717
  Batch 66/248, train_loss: 0.1039, step time: 1.3913
```

Batch 67/248, train_loss: 0.0557, step time: 1.3612
Batch 68/248, train_loss: 0.0906, step time: 1.3680
Batch 69/248, train_loss: 0.3751, step time: 1.4170
Batch 70/248, train_loss: 0.1504, step time: 1.3745
Batch 71/248, train_loss: 0.1152, step time: 1.3839
Batch 72/248, train_loss: 0.0529, step time: 1.3540
Batch 73/248, train_loss: 0.1560, step time: 1.3893
Batch 74/248, train_loss: 0.3232, step time: 1.3783
Batch 75/248, train_loss: 0.0926, step time: 1.3690
Batch 76/248, train_loss: 0.4424, step time: 1.3854
Batch 77/248, train_loss: 0.7141, step time: 1.3718
Batch 78/248, train_loss: 0.0964, step time: 1.3904
Batch 79/248, train_loss: 0.1139, step time: 1.3740
Batch 80/248, train_loss: 0.1714, step time: 1.3792
Batch 81/248, train_loss: 0.1185, step time: 1.4066
Batch 82/248, train_loss: 0.0748, step time: 1.3884
Batch 83/248, train_loss: 0.4856, step time: 1.3898
Batch 84/248, train_loss: 0.1976, step time: 1.3648
Batch 85/248, train_loss: 0.3014, step time: 1.3659
Batch 86/248, train_loss: 0.2201, step time: 1.3747
Batch 87/248, train_loss: 0.7039, step time: 1.3764
Batch 88/248, train_loss: 0.2721, step time: 1.3869
Batch 89/248, train_loss: 0.0644, step time: 1.3731
Batch 90/248, train_loss: 0.1880, step time: 1.3863
Batch 91/248, train_loss: 0.3055, step time: 1.3981
Batch 92/248, train_loss: 0.5893, step time: 1.3794
Batch 93/248, train_loss: 0.1361, step time: 1.3846
Batch 94/248, train_loss: 0.1942, step time: 1.3602
Batch 95/248, train_loss: 0.1517, step time: 1.3723
Batch 96/248, train_loss: 0.0973, step time: 1.3763
Batch 97/248, train_loss: 0.4137, step time: 1.4027
Batch 98/248, train_loss: 0.0839, step time: 1.3746
Batch 99/248, train_loss: 0.2454, step time: 1.3898
Batch 100/248, train_loss: 0.1804, step time: 1.3790
Batch 101/248, train_loss: 0.0467, step time: 1.3805
Batch 102/248, train_loss: 0.1000, step time: 1.3615
Batch 103/248, train_loss: 0.3042, step time: 1.3898
Batch 104/248, train_loss: 0.2670, step time: 1.3625
Batch 105/248, train_loss: 0.0697, step time: 1.3633
Batch 106/248, train_loss: 0.1113, step time: 1.3984
Batch 107/248, train_loss: 0.2458, step time: 1.4017
Batch 108/248, train_loss: 0.5564, step time: 1.3686
Batch 109/248, train_loss: 0.8082, step time: 1.3621
Batch 110/248, train_loss: 0.2910, step time: 1.3936
Batch 111/248, train_loss: 0.0676, step time: 1.3600
Batch 112/248, train_loss: 0.1126, step time: 1.3805
Batch 113/248, train_loss: 0.4556, step time: 1.4084
Batch 114/248, train_loss: 0.1120, step time: 1.3599
Batch 115/248, train_loss: 0.1189, step time: 1.3717
Batch 116/248, train_loss: 0.0725, step time: 1.3964
Batch 117/248, train_loss: 0.6071, step time: 1.4029
Batch 118/248, train_loss: 0.1682, step time: 1.3745
Batch 119/248, train_loss: 0.2618, step time: 1.3706
Batch 120/248, train_loss: 0.2073, step time: 1.3766
Batch 121/248, train_loss: 0.2592, step time: 1.3959
Batch 122/248, train_loss: 0.3939, step time: 1.3952
Batch 123/248, train_loss: 0.0523, step time: 1.3707
Batch 124/248, train_loss: 0.2470, step time: 1.3929
Batch 125/248, train_loss: 0.4481, step time: 1.3990
Batch 126/248, train_loss: 0.2125, step time: 1.3843
Batch 127/248, train_loss: 0.0861, step time: 1.3765
Batch 128/248, train_loss: 0.1658, step time: 1.3733
Batch 129/248, train_loss: 0.0700, step time: 1.3778
Batch 130/248, train_loss: 0.0703, step time: 1.3789
Batch 131/248, train_loss: 0.3774, step time: 1.3813
Batch 132/248, train_loss: 0.1412, step time: 1.3578
Batch 133/248, train_loss: 0.0922, step time: 1.3887
Batch 134/248, train_loss: 0.7385, step time: 1.3843
Batch 135/248, train_loss: 0.1824, step time: 1.3948
Batch 136/248, train_loss: 0.0990, step time: 1.3905
Batch 137/248, train_loss: 0.1040, step time: 1.3895
Batch 138/248, train_loss: 0.0573, step time: 1.3711
Batch 139/248, train_loss: 0.1281, step time: 1.3693
Batch 140/248, train_loss: 0.1739, step time: 1.3749
Batch 141/248, train_loss: 0.1131, step time: 1.3695
Batch 142/248, train_loss: 0.4589, step time: 1.3755
Batch 143/248, train_loss: 0.2068, step time: 1.3968
Batch 144/248, train_loss: 0.1087, step time: 1.3936
Batch 145/248, train_loss: 0.0484, step time: 1.3696
Batch 146/248, train_loss: 0.2579, step time: 1.3827
Batch 147/248, train_loss: 0.0369, step time: 1.3882
Batch 148/248, train_loss: 0.4643, step time: 1.3684
Batch 149/248, train_loss: 0.1135, step time: 1.3971
Batch 150/248, train_loss: 0.2781, step time: 1.3922
Batch 151/248, train_loss: 0.1780, step time: 1.3524

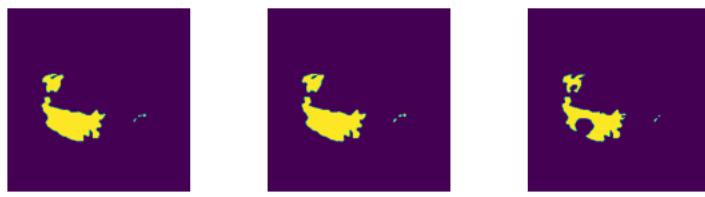
Batch 152/248, train_loss: 0.0311, step time: 1.3777
Batch 153/248, train_loss: 0.1456, step time: 1.3638
Batch 154/248, train_loss: 0.4888, step time: 1.3621
Batch 155/248, train_loss: 0.1008, step time: 1.3642
Batch 156/248, train_loss: 0.1179, step time: 1.4013
Batch 157/248, train_loss: 0.2710, step time: 1.3845
Batch 158/248, train_loss: 0.7711, step time: 1.3976
Batch 159/248, train_loss: 0.4731, step time: 1.3876
Batch 160/248, train_loss: 0.0902, step time: 1.4003
Batch 161/248, train_loss: 0.0579, step time: 1.3686
Batch 162/248, train_loss: 0.0729, step time: 1.3649
Batch 163/248, train_loss: 0.1129, step time: 1.3645
Batch 164/248, train_loss: 0.1587, step time: 1.3645
Batch 165/248, train_loss: 0.3499, step time: 1.3693
Batch 166/248, train_loss: 0.0659, step time: 1.3789
Batch 167/248, train_loss: 0.1465, step time: 1.3983
Batch 168/248, train_loss: 0.1137, step time: 1.3555
Batch 169/248, train_loss: 0.0804, step time: 1.3912
Batch 170/248, train_loss: 0.4547, step time: 1.3624
Batch 171/248, train_loss: 0.0807, step time: 1.3978
Batch 172/248, train_loss: 0.3420, step time: 1.3609
Batch 173/248, train_loss: 0.0595, step time: 1.3770
Batch 174/248, train_loss: 0.5507, step time: 1.3594
Batch 175/248, train_loss: 0.0722, step time: 1.3741
Batch 176/248, train_loss: 0.3166, step time: 1.3981
Batch 177/248, train_loss: 0.2062, step time: 1.3965
Batch 178/248, train_loss: 0.2586, step time: 1.3789
Batch 179/248, train_loss: 0.0710, step time: 1.3797
Batch 180/248, train_loss: 0.2429, step time: 1.3734
Batch 181/248, train_loss: 0.0716, step time: 1.3641
Batch 182/248, train_loss: 0.3752, step time: 1.3720
Batch 183/248, train_loss: 0.0635, step time: 1.3728
Batch 184/248, train_loss: 0.2120, step time: 1.3926
Batch 185/248, train_loss: 0.0694, step time: 1.3564
Batch 186/248, train_loss: 0.0698, step time: 1.3582
Batch 187/248, train_loss: 0.1402, step time: 1.3597
Batch 188/248, train_loss: 0.2001, step time: 1.3794
Batch 189/248, train_loss: 0.4309, step time: 1.3782
Batch 190/248, train_loss: 0.1954, step time: 1.3640
Batch 191/248, train_loss: 0.6258, step time: 1.3918
Batch 192/248, train_loss: 0.2872, step time: 1.3812
Batch 193/248, train_loss: 0.2298, step time: 1.3628
Batch 194/248, train_loss: 0.0758, step time: 1.3522
Batch 195/248, train_loss: 0.5585, step time: 1.3633
Batch 196/248, train_loss: 0.5485, step time: 1.3862
Batch 197/248, train_loss: 0.1568, step time: 1.3892
Batch 198/248, train_loss: 0.4552, step time: 1.3988
Batch 199/248, train_loss: 0.1363, step time: 1.3642
Batch 200/248, train_loss: 0.1220, step time: 1.3769
Batch 201/248, train_loss: 0.1001, step time: 1.3834
Batch 202/248, train_loss: 0.4264, step time: 1.3941
Batch 203/248, train_loss: 0.3785, step time: 1.3948
Batch 204/248, train_loss: 0.0838, step time: 1.3638
Batch 205/248, train_loss: 0.2328, step time: 1.3991
Batch 206/248, train_loss: 0.3021, step time: 1.4002
Batch 207/248, train_loss: 0.0584, step time: 1.3698
Batch 208/248, train_loss: 0.1463, step time: 1.3994
Batch 209/248, train_loss: 0.1641, step time: 1.3689
Batch 210/248, train_loss: 0.0660, step time: 1.3938
Batch 211/248, train_loss: 0.0620, step time: 1.3624
Batch 212/248, train_loss: 0.2019, step time: 1.3715
Batch 213/248, train_loss: 0.1379, step time: 1.3955
Batch 214/248, train_loss: 0.0745, step time: 1.3636
Batch 215/248, train_loss: 0.3180, step time: 1.4095
Batch 216/248, train_loss: 0.2033, step time: 1.3624
Batch 217/248, train_loss: 0.2312, step time: 1.3771
Batch 218/248, train_loss: 0.7068, step time: 1.3781
Batch 219/248, train_loss: 0.0663, step time: 1.3578
Batch 220/248, train_loss: 0.1836, step time: 1.3723
Batch 221/248, train_loss: 0.2570, step time: 1.3976
Batch 222/248, train_loss: 0.2215, step time: 1.3908
Batch 223/248, train_loss: 0.0479, step time: 1.3664
Batch 224/248, train_loss: 0.0782, step time: 1.3622
Batch 225/248, train_loss: 0.1820, step time: 1.3961
Batch 226/248, train_loss: 0.1194, step time: 1.3824
Batch 227/248, train_loss: 0.0838, step time: 1.3595
Batch 228/248, train_loss: 0.1382, step time: 1.3645
Batch 229/248, train_loss: 0.0808, step time: 1.3998
Batch 230/248, train_loss: 0.0627, step time: 1.3750
Batch 231/248, train_loss: 0.2423, step time: 1.3795
Batch 232/248, train_loss: 0.0866, step time: 1.3660
Batch 233/248, train_loss: 0.8533, step time: 1.3946
Batch 234/248, train_loss: 0.4057, step time: 1.3870
Batch 235/248, train_loss: 0.1863, step time: 1.3759
Batch 236/248, train_loss: 0.7098, step time: 1.3801

```
Batch 236/248, train_loss: 0.0950, step time: 1.3604
Batch 237/248, train_loss: 0.1220, step time: 1.3619
Batch 238/248, train_loss: 0.0934, step time: 1.3623
Batch 239/248, train_loss: 0.0476, step time: 1.3591
Batch 240/248, train_loss: 0.2369, step time: 1.3899
Batch 241/248, train_loss: 0.6499, step time: 1.3751
Batch 242/248, train_loss: 0.1477, step time: 1.3742
Batch 243/248, train_loss: 0.3313, step time: 1.3816
Batch 244/248, train_loss: 0.3573, step time: 1.3978
Batch 245/248, train_loss: 0.0741, step time: 1.3915
Batch 246/248, train_loss: 0.5151, step time: 1.4019
Batch 247/248, train_loss: 0.0601, step time: 1.3619
Batch 248/248, train_loss: 0.9999, step time: 1.3611
```

Labels



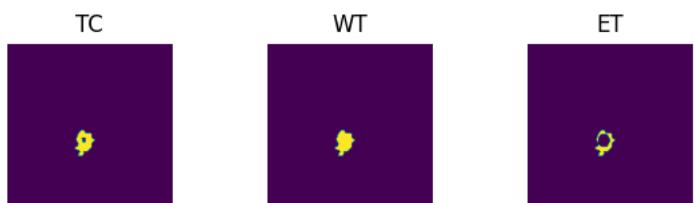
Predictions



VAL

```
Batch 1/31, val_loss: 0.8267
Batch 2/31, val_loss: 0.9880
Batch 3/31, val_loss: 0.9567
Batch 4/31, val_loss: 0.9349
Batch 5/31, val_loss: 0.9913
Batch 6/31, val_loss: 0.6810
Batch 7/31, val_loss: 0.8187
Batch 8/31, val_loss: 0.9273
Batch 9/31, val_loss: 0.6848
Batch 10/31, val_loss: 0.9078
Batch 11/31, val_loss: 0.8149
Batch 12/31, val_loss: 0.9587
Batch 13/31, val_loss: 0.9960
Batch 14/31, val_loss: 0.9269
Batch 15/31, val_loss: 0.9842
Batch 16/31, val_loss: 0.9716
Batch 17/31, val_loss: 0.9640
Batch 18/31, val_loss: 0.9284
Batch 19/31, val_loss: 0.7311
Batch 20/31, val_loss: 0.8518
Batch 21/31, val_loss: 0.8641
Batch 22/31, val_loss: 0.9595
Batch 23/31, val_loss: 0.9652
Batch 24/31, val_loss: 0.7313
Batch 25/31, val_loss: 0.7958
Batch 26/31, val_loss: 0.9199
Batch 27/31, val_loss: 0.9730
Batch 28/31, val_loss: 0.7431
Batch 29/31, val_loss: 0.9819
Batch 30/31, val_loss: 0.9607
Batch 31/31, val_loss: 0.9711
```

Labels



Predictions





```
epoch 93
average train loss: 0.2260
average validation loss: 0.8939
saved as best model: False
current mean dice: 0.6410
current TC dice: 0.6723
current WT dice: 0.6763
current ET dice: 0.6126
Best Mean Metric: 0.6432
time consuming of epoch 93 is: 1691.3703
```

```
-----  
epoch 94/100  
TRAIN
```

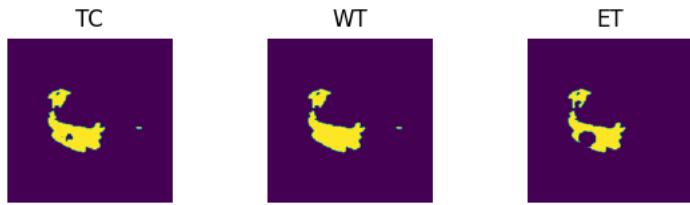
```
Batch 1/248, train_loss: 0.0691, step time: 1.4350
Batch 2/248, train_loss: 0.6236, step time: 1.3750
Batch 3/248, train_loss: 0.2782, step time: 1.3800
Batch 4/248, train_loss: 0.8736, step time: 1.3777
Batch 5/248, train_loss: 0.2208, step time: 1.3602
Batch 6/248, train_loss: 0.4595, step time: 1.3726
Batch 7/248, train_loss: 0.0555, step time: 1.3715
Batch 8/248, train_loss: 0.5682, step time: 1.3791
Batch 9/248, train_loss: 0.0507, step time: 1.3704
Batch 10/248, train_loss: 0.2022, step time: 1.3603
Batch 11/248, train_loss: 0.1545, step time: 1.3860
Batch 12/248, train_loss: 0.2761, step time: 1.3817
Batch 13/248, train_loss: 0.2580, step time: 1.3905
Batch 14/248, train_loss: 0.0862, step time: 1.3921
Batch 15/248, train_loss: 0.2763, step time: 1.3706
Batch 16/248, train_loss: 0.1931, step time: 1.3751
Batch 17/248, train_loss: 0.1775, step time: 1.3764
Batch 18/248, train_loss: 0.2751, step time: 1.3919
Batch 19/248, train_loss: 0.1035, step time: 1.3686
Batch 20/248, train_loss: 0.0827, step time: 1.3697
Batch 21/248, train_loss: 0.0422, step time: 1.3714
Batch 22/248, train_loss: 0.2743, step time: 1.3639
Batch 23/248, train_loss: 0.4013, step time: 1.3992
Batch 24/248, train_loss: 0.0707, step time: 1.3595
Batch 25/248, train_loss: 0.0476, step time: 1.3800
Batch 26/248, train_loss: 0.3585, step time: 1.3797
Batch 27/248, train_loss: 0.0643, step time: 1.3939
Batch 28/248, train_loss: 0.1341, step time: 1.3945
Batch 29/248, train_loss: 0.3236, step time: 1.3718
Batch 30/248, train_loss: 0.3861, step time: 1.3862
Batch 31/248, train_loss: 0.2370, step time: 1.3783
Batch 32/248, train_loss: 0.0594, step time: 1.3645
Batch 33/248, train_loss: 0.0792, step time: 1.3757
Batch 34/248, train_loss: 0.0386, step time: 1.3733
Batch 35/248, train_loss: 0.0554, step time: 1.3709
Batch 36/248, train_loss: 0.4122, step time: 1.3875
Batch 37/248, train_loss: 0.1226, step time: 1.3866
Batch 38/248, train_loss: 0.2714, step time: 1.3744
Batch 39/248, train_loss: 0.1435, step time: 1.3629
Batch 40/248, train_loss: 0.5161, step time: 1.3721
Batch 41/248, train_loss: 0.2325, step time: 1.3919
Batch 42/248, train_loss: 0.0745, step time: 1.3973
Batch 43/248, train_loss: 0.0480, step time: 1.3845
Batch 44/248, train_loss: 0.0957, step time: 1.3722
Batch 45/248, train_loss: 0.5123, step time: 1.3830
Batch 46/248, train_loss: 0.1329, step time: 1.3885
Batch 47/248, train_loss: 0.0658, step time: 1.3776
Batch 48/248, train_loss: 0.2070, step time: 1.3917
Batch 49/248, train_loss: 0.3586, step time: 1.3788
Batch 50/248, train_loss: 0.1175, step time: 1.3698
Batch 51/248, train_loss: 0.1330, step time: 1.4010
Batch 52/248, train_loss: 0.1032, step time: 1.3799
Batch 53/248, train_loss: 0.3194, step time: 1.3910
Batch 54/248, train_loss: 0.2213, step time: 1.3921
Batch 55/248, train_loss: 0.2099, step time: 1.3876
Batch 56/248, train_loss: 0.1534, step time: 1.3783
Batch 57/248, train_loss: 0.2519, step time: 1.3646
Batch 58/248, train_loss: 0.0612, step time: 1.3690
Batch 59/248, train_loss: 0.0661, step time: 1.3514
Batch 60/248, train_loss: 0.0530, step time: 1.3903
Batch 61/248, train_loss: 0.0700, step time: 1.3662
Batch 62/248, train_loss: 0.1933, step time: 1.3682
Batch 63/248, train_loss: 0.3457, step time: 1.3871
Batch 64/248, train_loss: 0.3617, step time: 1.3733
Batch 65/248, train_loss: 0.2159, step time: 1.3992
Batch 66/248, train_loss: 0.0944, step time: 1.3839
```

Batch 67/248, train_loss: 0.0593, step time: 1.3815
Batch 68/248, train_loss: 0.1142, step time: 1.4034
Batch 69/248, train_loss: 0.2864, step time: 1.3870
Batch 70/248, train_loss: 0.1691, step time: 1.3615
Batch 71/248, train_loss: 0.1073, step time: 1.3729
Batch 72/248, train_loss: 0.0387, step time: 1.3660
Batch 73/248, train_loss: 0.5263, step time: 1.3729
Batch 74/248, train_loss: 0.2301, step time: 1.3692
Batch 75/248, train_loss: 0.1093, step time: 1.3696
Batch 76/248, train_loss: 0.4212, step time: 1.3828
Batch 77/248, train_loss: 0.7353, step time: 1.3959
Batch 78/248, train_loss: 0.0726, step time: 1.3661
Batch 79/248, train_loss: 0.1108, step time: 1.3652
Batch 80/248, train_loss: 0.1822, step time: 1.3619
Batch 81/248, train_loss: 0.1291, step time: 1.3759
Batch 82/248, train_loss: 0.0886, step time: 1.3989
Batch 83/248, train_loss: 0.4771, step time: 1.3816
Batch 84/248, train_loss: 0.2057, step time: 1.4059
Batch 85/248, train_loss: 0.3576, step time: 1.3881
Batch 86/248, train_loss: 0.2033, step time: 1.3882
Batch 87/248, train_loss: 0.5829, step time: 1.3664
Batch 88/248, train_loss: 0.2957, step time: 1.3591
Batch 89/248, train_loss: 0.0747, step time: 1.4003
Batch 90/248, train_loss: 0.1705, step time: 1.3637
Batch 91/248, train_loss: 0.3107, step time: 1.3626
Batch 92/248, train_loss: 0.3517, step time: 1.3798
Batch 93/248, train_loss: 0.1470, step time: 1.3944
Batch 94/248, train_loss: 0.3057, step time: 1.3925
Batch 95/248, train_loss: 0.1708, step time: 1.3875
Batch 96/248, train_loss: 0.1102, step time: 1.3492
Batch 97/248, train_loss: 0.4228, step time: 1.3810
Batch 98/248, train_loss: 0.1011, step time: 1.3681
Batch 99/248, train_loss: 0.2538, step time: 1.3599
Batch 100/248, train_loss: 0.2622, step time: 1.3678
Batch 101/248, train_loss: 0.0405, step time: 1.3699
Batch 102/248, train_loss: 0.0841, step time: 1.3868
Batch 103/248, train_loss: 0.8519, step time: 1.3843
Batch 104/248, train_loss: 0.2510, step time: 1.3855
Batch 105/248, train_loss: 0.0669, step time: 1.3727
Batch 106/248, train_loss: 0.1102, step time: 1.3796
Batch 107/248, train_loss: 0.1766, step time: 1.3856
Batch 108/248, train_loss: 0.4480, step time: 1.4025
Batch 109/248, train_loss: 0.8782, step time: 1.3732
Batch 110/248, train_loss: 0.2610, step time: 1.3846
Batch 111/248, train_loss: 0.0711, step time: 1.3661
Batch 112/248, train_loss: 0.0828, step time: 1.3697
Batch 113/248, train_loss: 0.4254, step time: 1.3890
Batch 114/248, train_loss: 0.1337, step time: 1.3625
Batch 115/248, train_loss: 0.1561, step time: 1.3809
Batch 116/248, train_loss: 0.0707, step time: 1.3714
Batch 117/248, train_loss: 0.6011, step time: 1.3790
Batch 118/248, train_loss: 0.1625, step time: 1.3922
Batch 119/248, train_loss: 0.2615, step time: 1.3676
Batch 120/248, train_loss: 0.2015, step time: 1.3786
Batch 121/248, train_loss: 0.2552, step time: 1.3783
Batch 122/248, train_loss: 0.4057, step time: 1.3773
Batch 123/248, train_loss: 0.0417, step time: 1.3799
Batch 124/248, train_loss: 0.2242, step time: 1.3751
Batch 125/248, train_loss: 0.4470, step time: 1.3979
Batch 126/248, train_loss: 0.1727, step time: 1.3686
Batch 127/248, train_loss: 0.0973, step time: 1.3489
Batch 128/248, train_loss: 0.1273, step time: 1.3963
Batch 129/248, train_loss: 0.0817, step time: 1.3793
Batch 130/248, train_loss: 0.0979, step time: 1.3587
Batch 131/248, train_loss: 0.3470, step time: 1.3818
Batch 132/248, train_loss: 0.1356, step time: 1.4023
Batch 133/248, train_loss: 0.1003, step time: 1.3864
Batch 134/248, train_loss: 0.8081, step time: 1.4063
Batch 135/248, train_loss: 0.1828, step time: 1.3856
Batch 136/248, train_loss: 0.1125, step time: 1.3876
Batch 137/248, train_loss: 0.0980, step time: 1.3915
Batch 138/248, train_loss: 0.0622, step time: 1.3762
Batch 139/248, train_loss: 0.1478, step time: 1.3883
Batch 140/248, train_loss: 0.1920, step time: 1.3899
Batch 141/248, train_loss: 0.1066, step time: 1.3694
Batch 142/248, train_loss: 0.4583, step time: 1.3654
Batch 143/248, train_loss: 0.1871, step time: 1.3711
Batch 144/248, train_loss: 0.1013, step time: 1.3600
Batch 145/248, train_loss: 0.0683, step time: 1.3585
Batch 146/248, train_loss: 0.5500, step time: 1.3916
Batch 147/248, train_loss: 0.0438, step time: 1.3913
Batch 148/248, train_loss: 0.4872, step time: 1.3892
Batch 149/248, train_loss: 0.1075, step time: 1.3695
Batch 150/248, train_loss: 0.2737, step time: 1.4107
Batch 151/248, train_loss: 0.1979, step time: 1.3720

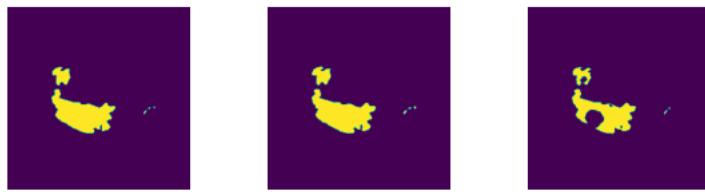
Batch 121/248, train_loss: 0.1010, step time: 1.3720
Batch 122/248, train_loss: 0.0443, step time: 1.3774
Batch 123/248, train_loss: 0.1554, step time: 1.3660
Batch 124/248, train_loss: 0.5466, step time: 1.3642
Batch 125/248, train_loss: 0.0941, step time: 1.3747
Batch 126/248, train_loss: 0.1326, step time: 1.3789
Batch 127/248, train_loss: 0.2478, step time: 1.3957
Batch 128/248, train_loss: 0.8912, step time: 1.3872
Batch 129/248, train_loss: 0.3206, step time: 1.4087
Batch 130/248, train_loss: 0.0904, step time: 1.3811
Batch 131/248, train_loss: 0.0688, step time: 1.3822
Batch 132/248, train_loss: 0.0528, step time: 1.3573
Batch 133/248, train_loss: 0.1169, step time: 1.3590
Batch 134/248, train_loss: 0.1781, step time: 1.3859
Batch 135/248, train_loss: 0.4520, step time: 1.3948
Batch 136/248, train_loss: 0.0752, step time: 1.3951
Batch 137/248, train_loss: 0.1527, step time: 1.3678
Batch 138/248, train_loss: 0.1153, step time: 1.3672
Batch 139/248, train_loss: 0.0965, step time: 1.3646
Batch 140/248, train_loss: 0.4743, step time: 1.3648
Batch 141/248, train_loss: 0.0753, step time: 1.3651
Batch 142/248, train_loss: 0.3143, step time: 1.3848
Batch 143/248, train_loss: 0.0824, step time: 1.3678
Batch 144/248, train_loss: 0.3683, step time: 1.3825
Batch 145/248, train_loss: 0.0784, step time: 1.3521
Batch 146/248, train_loss: 0.3112, step time: 1.3806
Batch 147/248, train_loss: 0.1869, step time: 1.3606
Batch 148/248, train_loss: 0.1782, step time: 1.3824
Batch 149/248, train_loss: 0.0624, step time: 1.3709
Batch 150/248, train_loss: 0.3392, step time: 1.3782
Batch 151/248, train_loss: 0.0823, step time: 1.3938
Batch 152/248, train_loss: 0.6649, step time: 1.3759
Batch 153/248, train_loss: 0.0867, step time: 1.3645
Batch 154/248, train_loss: 0.1901, step time: 1.3866
Batch 155/248, train_loss: 0.0698, step time: 1.3466
Batch 156/248, train_loss: 0.0681, step time: 1.3632
Batch 157/248, train_loss: 0.1445, step time: 1.3767
Batch 158/248, train_loss: 0.2179, step time: 1.4008
Batch 159/248, train_loss: 0.4439, step time: 1.3655
Batch 160/248, train_loss: 0.2842, step time: 1.3777
Batch 161/248, train_loss: 0.6285, step time: 1.3787
Batch 162/248, train_loss: 0.2318, step time: 1.3900
Batch 163/248, train_loss: 0.2308, step time: 1.3639
Batch 164/248, train_loss: 0.0728, step time: 1.3899
Batch 165/248, train_loss: 0.5616, step time: 1.3566
Batch 166/248, train_loss: 0.5412, step time: 1.3790
Batch 167/248, train_loss: 0.1607, step time: 1.3691
Batch 168/248, train_loss: 0.6436, step time: 1.4065
Batch 169/248, train_loss: 0.1518, step time: 1.3682
Batch 170/248, train_loss: 0.1277, step time: 1.3916
Batch 171/248, train_loss: 0.1201, step time: 1.3848
Batch 172/248, train_loss: 0.3805, step time: 1.3979
Batch 173/248, train_loss: 0.2886, step time: 1.3769
Batch 174/248, train_loss: 0.0745, step time: 1.3640
Batch 175/248, train_loss: 0.2201, step time: 1.3822
Batch 176/248, train_loss: 0.4209, step time: 1.3688
Batch 177/248, train_loss: 0.0610, step time: 1.3834
Batch 178/248, train_loss: 0.1577, step time: 1.3799
Batch 179/248, train_loss: 0.1418, step time: 1.3861
Batch 180/248, train_loss: 0.0580, step time: 1.3553
Batch 181/248, train_loss: 0.0720, step time: 1.3562
Batch 182/248, train_loss: 0.2647, step time: 1.3585
Batch 183/248, train_loss: 0.1441, step time: 1.3908
Batch 184/248, train_loss: 0.0806, step time: 1.3639
Batch 185/248, train_loss: 0.2448, step time: 1.3770
Batch 186/248, train_loss: 0.2016, step time: 1.4089
Batch 187/248, train_loss: 0.2361, step time: 1.3876
Batch 188/248, train_loss: 0.7270, step time: 1.3684
Batch 189/248, train_loss: 0.0782, step time: 1.3708
Batch 190/248, train_loss: 0.2022, step time: 1.3576
Batch 191/248, train_loss: 0.2602, step time: 1.3678
Batch 192/248, train_loss: 0.2095, step time: 1.3660
Batch 193/248, train_loss: 0.0432, step time: 1.3620
Batch 194/248, train_loss: 0.0804, step time: 1.3617
Batch 195/248, train_loss: 0.2397, step time: 1.3828
Batch 196/248, train_loss: 0.1927, step time: 1.3659
Batch 197/248, train_loss: 0.0755, step time: 1.3647
Batch 198/248, train_loss: 0.1377, step time: 1.3627
Batch 199/248, train_loss: 0.0844, step time: 1.3746
Batch 200/248, train_loss: 0.0603, step time: 1.3787
Batch 201/248, train_loss: 0.3128, step time: 1.3936
Batch 202/248, train_loss: 0.0794, step time: 1.3620
Batch 203/248, train_loss: 0.9177, step time: 1.4094
Batch 204/248, train_loss: 0.3888, step time: 1.3672
Batch 205/248, train_loss: 0.1939, step time: 1.3881

```
Batch 236/248, train_loss: 0.6960, step time: 1.3843
Batch 237/248, train_loss: 0.1249, step time: 1.3832
Batch 238/248, train_loss: 0.0854, step time: 1.3735
Batch 239/248, train_loss: 0.0585, step time: 1.3925
Batch 240/248, train_loss: 0.2987, step time: 1.3850
Batch 241/248, train_loss: 0.4988, step time: 1.3905
Batch 242/248, train_loss: 0.1485, step time: 1.3845
Batch 243/248, train_loss: 0.4017, step time: 1.3969
Batch 244/248, train_loss: 0.3606, step time: 1.3969
Batch 245/248, train_loss: 0.0731, step time: 1.3977
Batch 246/248, train_loss: 0.5293, step time: 1.3699
Batch 247/248, train_loss: 0.0626, step time: 1.3685
Batch 248/248, train_loss: 0.9998, step time: 1.3868
```

Labels



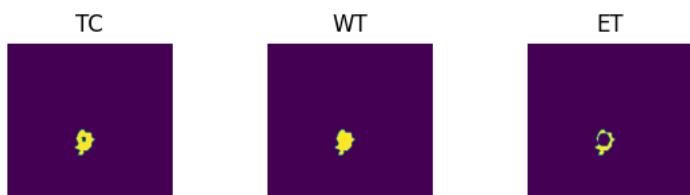
Predictions



VAL

```
Batch 1/31, val_loss: 0.8342
Batch 2/31, val_loss: 0.9887
Batch 3/31, val_loss: 0.9573
Batch 4/31, val_loss: 0.9362
Batch 5/31, val_loss: 0.9903
Batch 6/31, val_loss: 0.6864
Batch 7/31, val_loss: 0.8216
Batch 8/31, val_loss: 0.9328
Batch 9/31, val_loss: 0.6881
Batch 10/31, val_loss: 0.9046
Batch 11/31, val_loss: 0.8165
Batch 12/31, val_loss: 0.9658
Batch 13/31, val_loss: 0.9973
Batch 14/31, val_loss: 0.9293
Batch 15/31, val_loss: 0.9833
Batch 16/31, val_loss: 0.9698
Batch 17/31, val_loss: 0.9613
Batch 18/31, val_loss: 0.9284
Batch 19/31, val_loss: 0.7320
Batch 20/31, val_loss: 0.8659
Batch 21/31, val_loss: 0.8686
Batch 22/31, val_loss: 0.9574
Batch 23/31, val_loss: 0.9674
Batch 24/31, val_loss: 0.7353
Batch 25/31, val_loss: 0.7975
Batch 26/31, val_loss: 0.9184
Batch 27/31, val_loss: 0.9761
Batch 28/31, val_loss: 0.7396
Batch 29/31, val_loss: 0.9813
Batch 30/31, val_loss: 0.9603
Batch 31/31, val_loss: 0.9711
```

Labels



Predictions





```
epoch 94
average train loss: 0.2336
average validation loss: 0.8956
saved as best model: False
current mean dice: 0.6302
current TC dice: 0.6596
current WT dice: 0.6660
current ET dice: 0.6047
Best Mean Metric: 0.6432
time consuming of epoch 94 is: 1690.7241
-----
```

```
epoch 95/100
```

```
TRAIN
```

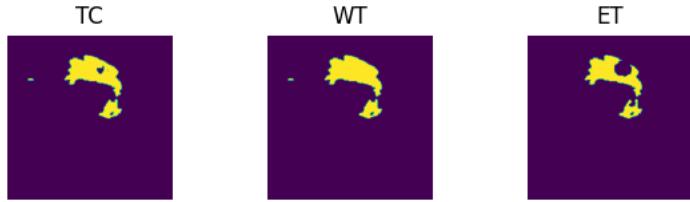
```
Batch 1/248, train_loss: 0.0780, step time: 1.4238
Batch 2/248, train_loss: 0.6884, step time: 1.3791
Batch 3/248, train_loss: 0.2796, step time: 1.3868
Batch 4/248, train_loss: 0.7216, step time: 1.3703
Batch 5/248, train_loss: 0.2311, step time: 1.3853
Batch 6/248, train_loss: 0.2250, step time: 1.3772
Batch 7/248, train_loss: 0.0560, step time: 1.3689
Batch 8/248, train_loss: 0.6613, step time: 1.3899
Batch 9/248, train_loss: 0.0341, step time: 1.3620
Batch 10/248, train_loss: 0.2259, step time: 1.3781
Batch 11/248, train_loss: 0.1567, step time: 1.3699
Batch 12/248, train_loss: 0.2409, step time: 1.3868
Batch 13/248, train_loss: 0.2657, step time: 1.3843
Batch 14/248, train_loss: 0.0567, step time: 1.3906
Batch 15/248, train_loss: 0.2986, step time: 1.3545
Batch 16/248, train_loss: 0.1882, step time: 1.3895
Batch 17/248, train_loss: 0.1741, step time: 1.3645
Batch 18/248, train_loss: 0.2545, step time: 1.3669
Batch 19/248, train_loss: 0.1008, step time: 1.3589
Batch 20/248, train_loss: 0.0793, step time: 1.3848
Batch 21/248, train_loss: 0.0456, step time: 1.3573
Batch 22/248, train_loss: 0.2584, step time: 1.3836
Batch 23/248, train_loss: 0.3147, step time: 1.3703
Batch 24/248, train_loss: 0.0673, step time: 1.3512
Batch 25/248, train_loss: 0.0503, step time: 1.3573
Batch 26/248, train_loss: 0.3710, step time: 1.3980
Batch 27/248, train_loss: 0.0814, step time: 1.4035
Batch 28/248, train_loss: 0.1360, step time: 1.3715
Batch 29/248, train_loss: 0.2964, step time: 1.3909
Batch 30/248, train_loss: 0.4491, step time: 1.3688
Batch 31/248, train_loss: 0.2463, step time: 1.3830
Batch 32/248, train_loss: 0.0576, step time: 1.3736
Batch 33/248, train_loss: 0.0615, step time: 1.3875
Batch 34/248, train_loss: 0.0407, step time: 1.3625
Batch 35/248, train_loss: 0.0510, step time: 1.3653
Batch 36/248, train_loss: 0.4975, step time: 1.3864
Batch 37/248, train_loss: 0.1281, step time: 1.3529
Batch 38/248, train_loss: 0.2877, step time: 1.3715
Batch 39/248, train_loss: 0.1631, step time: 1.3903
Batch 40/248, train_loss: 0.4957, step time: 1.3864
Batch 41/248, train_loss: 0.1492, step time: 1.3885
Batch 42/248, train_loss: 0.0589, step time: 1.3848
Batch 43/248, train_loss: 0.0415, step time: 1.3699
Batch 44/248, train_loss: 0.2125, step time: 1.3963
Batch 45/248, train_loss: 0.6589, step time: 1.4076
Batch 46/248, train_loss: 0.1442, step time: 1.3950
Batch 47/248, train_loss: 0.0660, step time: 1.3808
Batch 48/248, train_loss: 0.1518, step time: 1.3670
Batch 49/248, train_loss: 0.4192, step time: 1.3798
Batch 50/248, train_loss: 0.1100, step time: 1.3857
Batch 51/248, train_loss: 0.1402, step time: 1.3660
Batch 52/248, train_loss: 0.0912, step time: 1.3587
Batch 53/248, train_loss: 0.3442, step time: 1.3729
Batch 54/248, train_loss: 0.2216, step time: 1.3825
Batch 55/248, train_loss: 0.2027, step time: 1.3676
Batch 56/248, train_loss: 0.1454, step time: 1.3771
Batch 57/248, train_loss: 0.2370, step time: 1.3659
Batch 58/248, train_loss: 0.0598, step time: 1.3585
Batch 59/248, train_loss: 0.0677, step time: 1.3810
Batch 60/248, train_loss: 0.0529, step time: 1.3711
Batch 61/248, train_loss: 0.0670, step time: 1.3780
Batch 62/248, train_loss: 0.1906, step time: 1.3702
Batch 63/248, train_loss: 0.3835, step time: 1.3964
Batch 64/248, train_loss: 0.4186, step time: 1.3945
Batch 65/248, train_loss: 0.2100, step time: 1.3970
```

Batch 66/248, train_loss: 0.0976, step time: 1.3686
Batch 67/248, train_loss: 0.0532, step time: 1.3691
Batch 68/248, train_loss: 0.1135, step time: 1.3836
Batch 69/248, train_loss: 0.4022, step time: 1.3857
Batch 70/248, train_loss: 0.1349, step time: 1.3964
Batch 71/248, train_loss: 0.1079, step time: 1.3936
Batch 72/248, train_loss: 0.0679, step time: 1.3776
Batch 73/248, train_loss: 0.1210, step time: 1.3743
Batch 74/248, train_loss: 0.2702, step time: 1.3935
Batch 75/248, train_loss: 0.0898, step time: 1.3948
Batch 76/248, train_loss: 0.4011, step time: 1.3714
Batch 77/248, train_loss: 0.6627, step time: 1.4078
Batch 78/248, train_loss: 0.0756, step time: 1.4024
Batch 79/248, train_loss: 0.1197, step time: 1.3618
Batch 80/248, train_loss: 0.1689, step time: 1.4027
Batch 81/248, train_loss: 0.1481, step time: 1.3768
Batch 82/248, train_loss: 0.0810, step time: 1.3546
Batch 83/248, train_loss: 0.5038, step time: 1.3859
Batch 84/248, train_loss: 0.1529, step time: 1.3926
Batch 85/248, train_loss: 0.2976, step time: 1.3868
Batch 86/248, train_loss: 0.1949, step time: 1.3831
Batch 87/248, train_loss: 0.6725, step time: 1.3862
Batch 88/248, train_loss: 0.2746, step time: 1.3668
Batch 89/248, train_loss: 0.0652, step time: 1.3731
Batch 90/248, train_loss: 0.1497, step time: 1.3705
Batch 91/248, train_loss: 0.3089, step time: 1.4083
Batch 92/248, train_loss: 0.4042, step time: 1.3986
Batch 93/248, train_loss: 0.1420, step time: 1.3908
Batch 94/248, train_loss: 0.2469, step time: 1.3960
Batch 95/248, train_loss: 0.1465, step time: 1.3940
Batch 96/248, train_loss: 0.1105, step time: 1.3981
Batch 97/248, train_loss: 0.3989, step time: 1.3864
Batch 98/248, train_loss: 0.0913, step time: 1.3680
Batch 99/248, train_loss: 0.2495, step time: 1.3787
Batch 100/248, train_loss: 0.1875, step time: 1.3729
Batch 101/248, train_loss: 0.0377, step time: 1.3539
Batch 102/248, train_loss: 0.0880, step time: 1.3576
Batch 103/248, train_loss: 0.2692, step time: 1.3628
Batch 104/248, train_loss: 0.2370, step time: 1.3727
Batch 105/248, train_loss: 0.0719, step time: 1.3883
Batch 106/248, train_loss: 0.0970, step time: 1.3597
Batch 107/248, train_loss: 0.2315, step time: 1.3916
Batch 108/248, train_loss: 0.6279, step time: 1.3603
Batch 109/248, train_loss: 0.8015, step time: 1.3872
Batch 110/248, train_loss: 0.3457, step time: 1.3835
Batch 111/248, train_loss: 0.0732, step time: 1.3591
Batch 112/248, train_loss: 0.1507, step time: 1.3876
Batch 113/248, train_loss: 0.4152, step time: 1.3926
Batch 114/248, train_loss: 0.1140, step time: 1.3731
Batch 115/248, train_loss: 0.1075, step time: 1.3916
Batch 116/248, train_loss: 0.0665, step time: 1.3949
Batch 117/248, train_loss: 0.4839, step time: 1.4000
Batch 118/248, train_loss: 0.2296, step time: 1.3863
Batch 119/248, train_loss: 0.2376, step time: 1.3706
Batch 120/248, train_loss: 0.1824, step time: 1.3837
Batch 121/248, train_loss: 0.2338, step time: 1.3836
Batch 122/248, train_loss: 0.3190, step time: 1.3785
Batch 123/248, train_loss: 0.0461, step time: 1.3939
Batch 124/248, train_loss: 0.2779, step time: 1.3759
Batch 125/248, train_loss: 0.5170, step time: 1.3771
Batch 126/248, train_loss: 0.1692, step time: 1.4028
Batch 127/248, train_loss: 0.1082, step time: 1.3720
Batch 128/248, train_loss: 0.1270, step time: 1.3892
Batch 129/248, train_loss: 0.0759, step time: 1.3734
Batch 130/248, train_loss: 0.0702, step time: 1.3882
Batch 131/248, train_loss: 0.4458, step time: 1.3737
Batch 132/248, train_loss: 0.2294, step time: 1.3953
Batch 133/248, train_loss: 0.1267, step time: 1.3658
Batch 134/248, train_loss: 0.6372, step time: 1.3816
Batch 135/248, train_loss: 0.1957, step time: 1.3574
Batch 136/248, train_loss: 0.0889, step time: 1.3841
Batch 137/248, train_loss: 0.1039, step time: 1.3712
Batch 138/248, train_loss: 0.0663, step time: 1.3603
Batch 139/248, train_loss: 0.1124, step time: 1.3634
Batch 140/248, train_loss: 0.1440, step time: 1.3613
Batch 141/248, train_loss: 0.0969, step time: 1.3802
Batch 142/248, train_loss: 0.5158, step time: 1.4016
Batch 143/248, train_loss: 0.2060, step time: 1.3881
Batch 144/248, train_loss: 0.1131, step time: 1.3744
Batch 145/248, train_loss: 0.0484, step time: 1.3687
Batch 146/248, train_loss: 0.2943, step time: 1.3953
Batch 147/248, train_loss: 0.0406, step time: 1.3686
Batch 148/248, train_loss: 0.4947, step time: 1.3969
Batch 149/248, train_loss: 0.1299, step time: 1.3963
Batch 150/248, train_loss: 0.4917, step time: 1.3878

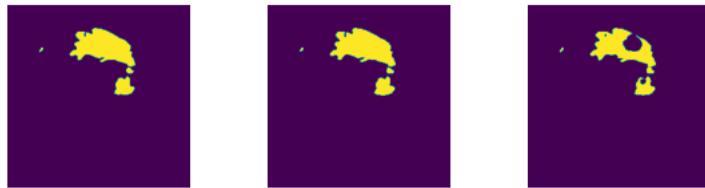
Batch 151/248, train_loss: 0.2265, step time: 1.3865
Batch 152/248, train_loss: 0.0294, step time: 1.3480
Batch 153/248, train_loss: 0.1727, step time: 1.3928
Batch 154/248, train_loss: 0.5174, step time: 1.4042
Batch 155/248, train_loss: 0.0867, step time: 1.3955
Batch 156/248, train_loss: 0.1267, step time: 1.3890
Batch 157/248, train_loss: 0.2396, step time: 1.3942
Batch 158/248, train_loss: 0.8044, step time: 1.3838
Batch 159/248, train_loss: 0.2349, step time: 1.3982
Batch 160/248, train_loss: 0.0759, step time: 1.3806
Batch 161/248, train_loss: 0.0668, step time: 1.3752
Batch 162/248, train_loss: 0.0647, step time: 1.3958
Batch 163/248, train_loss: 0.1085, step time: 1.3929
Batch 164/248, train_loss: 0.1430, step time: 1.3919
Batch 165/248, train_loss: 0.4478, step time: 1.3746
Batch 166/248, train_loss: 0.0955, step time: 1.3661
Batch 167/248, train_loss: 0.1344, step time: 1.3890
Batch 168/248, train_loss: 0.1193, step time: 1.3915
Batch 169/248, train_loss: 0.0791, step time: 1.3873
Batch 170/248, train_loss: 0.4805, step time: 1.4005
Batch 171/248, train_loss: 0.0774, step time: 1.3862
Batch 172/248, train_loss: 0.2684, step time: 1.3835
Batch 173/248, train_loss: 0.0613, step time: 1.3597
Batch 174/248, train_loss: 0.4938, step time: 1.3709
Batch 175/248, train_loss: 0.0795, step time: 1.3837
Batch 176/248, train_loss: 0.2794, step time: 1.3731
Batch 177/248, train_loss: 0.2327, step time: 1.3994
Batch 178/248, train_loss: 0.2094, step time: 1.3937
Batch 179/248, train_loss: 0.0671, step time: 1.3916
Batch 180/248, train_loss: 0.3014, step time: 1.3842
Batch 181/248, train_loss: 0.0757, step time: 1.3623
Batch 182/248, train_loss: 0.8461, step time: 1.3853
Batch 183/248, train_loss: 0.0779, step time: 1.3663
Batch 184/248, train_loss: 0.1978, step time: 1.3967
Batch 185/248, train_loss: 0.0661, step time: 1.3901
Batch 186/248, train_loss: 0.0624, step time: 1.3773
Batch 187/248, train_loss: 0.1431, step time: 1.3781
Batch 188/248, train_loss: 0.2149, step time: 1.3600
Batch 189/248, train_loss: 0.4599, step time: 1.3996
Batch 190/248, train_loss: 0.1050, step time: 1.3717
Batch 191/248, train_loss: 0.6217, step time: 1.3819
Batch 192/248, train_loss: 0.2217, step time: 1.3538
Batch 193/248, train_loss: 0.2150, step time: 1.3803
Batch 194/248, train_loss: 0.1177, step time: 1.3587
Batch 195/248, train_loss: 0.5753, step time: 1.3888
Batch 196/248, train_loss: 0.5813, step time: 1.3838
Batch 197/248, train_loss: 0.1513, step time: 1.3825
Batch 198/248, train_loss: 0.4113, step time: 1.3791
Batch 199/248, train_loss: 0.1428, step time: 1.4048
Batch 200/248, train_loss: 0.1216, step time: 1.3888
Batch 201/248, train_loss: 0.0970, step time: 1.3536
Batch 202/248, train_loss: 0.4203, step time: 1.3874
Batch 203/248, train_loss: 0.3412, step time: 1.4046
Batch 204/248, train_loss: 0.1071, step time: 1.3721
Batch 205/248, train_loss: 0.2198, step time: 1.3634
Batch 206/248, train_loss: 0.2909, step time: 1.3761
Batch 207/248, train_loss: 0.0530, step time: 1.3631
Batch 208/248, train_loss: 0.1269, step time: 1.3715
Batch 209/248, train_loss: 0.1339, step time: 1.3987
Batch 210/248, train_loss: 0.0560, step time: 1.3632
Batch 211/248, train_loss: 0.0638, step time: 1.3757
Batch 212/248, train_loss: 0.1844, step time: 1.3833
Batch 213/248, train_loss: 0.1316, step time: 1.3797
Batch 214/248, train_loss: 0.0655, step time: 1.3618
Batch 215/248, train_loss: 0.2831, step time: 1.3928
Batch 216/248, train_loss: 0.1538, step time: 1.3752
Batch 217/248, train_loss: 0.2709, step time: 1.4052
Batch 218/248, train_loss: 0.7561, step time: 1.3985
Batch 219/248, train_loss: 0.0583, step time: 1.3801
Batch 220/248, train_loss: 0.1802, step time: 1.3830
Batch 221/248, train_loss: 0.2347, step time: 1.3697
Batch 222/248, train_loss: 0.1998, step time: 1.3561
Batch 223/248, train_loss: 0.0494, step time: 1.3567
Batch 224/248, train_loss: 0.0852, step time: 1.3936
Batch 225/248, train_loss: 0.1621, step time: 1.3905
Batch 226/248, train_loss: 0.1188, step time: 1.3669
Batch 227/248, train_loss: 0.0664, step time: 1.3830
Batch 228/248, train_loss: 0.1323, step time: 1.3887
Batch 229/248, train_loss: 0.0770, step time: 1.3809
Batch 230/248, train_loss: 0.0621, step time: 1.3695
Batch 231/248, train_loss: 0.2442, step time: 1.3740
Batch 232/248, train_loss: 0.0761, step time: 1.3730
Batch 233/248, train_loss: 0.7586, step time: 1.3723
Batch 234/248, train_loss: 0.3750, step time: 1.3982
Batch 235/248, train_loss: 0.2036, step time: 1.4067

```
Batch 236/248, train_loss: 0.6941, step time: 1.3877  
Batch 237/248, train_loss: 0.1135, step time: 1.3654  
Batch 238/248, train_loss: 0.0801, step time: 1.3793  
Batch 239/248, train_loss: 0.0448, step time: 1.3626  
Batch 240/248, train_loss: 0.2290, step time: 1.3625  
Batch 241/248, train_loss: 0.5107, step time: 1.3955  
Batch 242/248, train_loss: 0.1208, step time: 1.3569  
Batch 243/248, train_loss: 0.4256, step time: 1.3832  
Batch 244/248, train_loss: 0.3087, step time: 1.3792  
Batch 245/248, train_loss: 0.0701, step time: 1.3674  
Batch 246/248, train_loss: 0.4620, step time: 1.3881  
Batch 247/248, train_loss: 0.0647, step time: 1.3628  
Batch 248/248, train_loss: 0.9995, step time: 1.3538
```

Labels



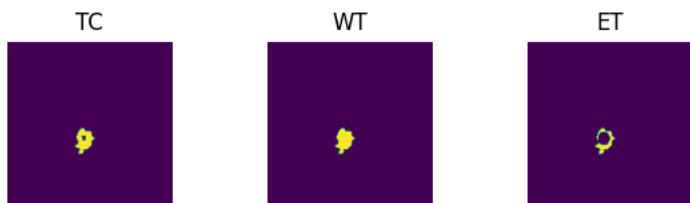
Predictions



VAL

```
Batch 1/31, val_loss: 0.8303  
Batch 2/31, val_loss: 0.9880  
Batch 3/31, val_loss: 0.9572  
Batch 4/31, val_loss: 0.9366  
Batch 5/31, val_loss: 0.9902  
Batch 6/31, val_loss: 0.6843  
Batch 7/31, val_loss: 0.8165  
Batch 8/31, val_loss: 0.9366  
Batch 9/31, val_loss: 0.6864  
Batch 10/31, val_loss: 0.9054  
Batch 11/31, val_loss: 0.8140  
Batch 12/31, val_loss: 0.9654  
Batch 13/31, val_loss: 0.9912  
Batch 14/31, val_loss: 0.9287  
Batch 15/31, val_loss: 0.9836  
Batch 16/31, val_loss: 0.9702  
Batch 17/31, val_loss: 0.9574  
Batch 18/31, val_loss: 0.9265  
Batch 19/31, val_loss: 0.7283  
Batch 20/31, val_loss: 0.8459  
Batch 21/31, val_loss: 0.8670  
Batch 22/31, val_loss: 0.9608  
Batch 23/31, val_loss: 0.9670  
Batch 24/31, val_loss: 0.7305  
Batch 25/31, val_loss: 0.7951  
Batch 26/31, val_loss: 0.9224  
Batch 27/31, val_loss: 0.9761  
Batch 28/31, val_loss: 0.7405  
Batch 29/31, val_loss: 0.9817  
Batch 30/31, val_loss: 0.9637  
Batch 31/31, val_loss: 0.9713
```

Labels



Predictions





```
epoch 95
average train loss: 0.2248
average validation loss: 0.8942
saved as best model: True
current mean dice: 0.6444
current TC dice: 0.6748
current WT dice: 0.6815
current ET dice: 0.6160
Best Mean Metric: 0.6444
time consuming of epoch 95 is: 1689.3004
-----
```

```
epoch 96/100
TRAIN
Batch 1/248, train_loss: 0.0693, step time: 1.4254
Batch 2/248, train_loss: 0.6849, step time: 1.4063
Batch 3/248, train_loss: 0.2253, step time: 1.4051
Batch 4/248, train_loss: 0.9704, step time: 1.3787
Batch 5/248, train_loss: 0.1686, step time: 1.3907
Batch 6/248, train_loss: 0.1559, step time: 1.3723
Batch 7/248, train_loss: 0.0554, step time: 1.3557
Batch 8/248, train_loss: 0.5200, step time: 1.3801
Batch 9/248, train_loss: 0.0325, step time: 1.3711
Batch 10/248, train_loss: 0.2186, step time: 1.3773
Batch 11/248, train_loss: 0.1263, step time: 1.3865
Batch 12/248, train_loss: 0.3030, step time: 1.4036
Batch 13/248, train_loss: 0.1954, step time: 1.4047
Batch 14/248, train_loss: 0.0461, step time: 1.3529
Batch 15/248, train_loss: 0.2978, step time: 1.3874
Batch 16/248, train_loss: 0.1323, step time: 1.3877
Batch 17/248, train_loss: 0.1796, step time: 1.3938
Batch 18/248, train_loss: 0.2683, step time: 1.4060
Batch 19/248, train_loss: 0.0865, step time: 1.3607
Batch 20/248, train_loss: 0.0762, step time: 1.4022
Batch 21/248, train_loss: 0.0398, step time: 1.3770
Batch 22/248, train_loss: 0.2795, step time: 1.3585
Batch 23/248, train_loss: 0.2848, step time: 1.4030
Batch 24/248, train_loss: 0.0715, step time: 1.3903
Batch 25/248, train_loss: 0.0654, step time: 1.4000
Batch 26/248, train_loss: 0.3398, step time: 1.3684
Batch 27/248, train_loss: 0.0625, step time: 1.3905
Batch 28/248, train_loss: 0.1391, step time: 1.3943
Batch 29/248, train_loss: 0.3115, step time: 1.3688
Batch 30/248, train_loss: 0.1788, step time: 1.3798
Batch 31/248, train_loss: 0.2399, step time: 1.3956
Batch 32/248, train_loss: 0.0585, step time: 1.3648
Batch 33/248, train_loss: 0.0715, step time: 1.3738
Batch 34/248, train_loss: 0.0398, step time: 1.3619
Batch 35/248, train_loss: 0.0441, step time: 1.3734
Batch 36/248, train_loss: 0.3335, step time: 1.3706
Batch 37/248, train_loss: 0.1232, step time: 1.3565
Batch 38/248, train_loss: 0.2677, step time: 1.3775
Batch 39/248, train_loss: 0.1562, step time: 1.3680
Batch 40/248, train_loss: 0.4808, step time: 1.4018
Batch 41/248, train_loss: 0.1578, step time: 1.3861
Batch 42/248, train_loss: 0.0700, step time: 1.3815
Batch 43/248, train_loss: 0.0485, step time: 1.3669
Batch 44/248, train_loss: 0.2250, step time: 1.3899
Batch 45/248, train_loss: 0.3239, step time: 1.3788
Batch 46/248, train_loss: 0.1506, step time: 1.3862
Batch 47/248, train_loss: 0.0707, step time: 1.3832
Batch 48/248, train_loss: 0.1675, step time: 1.3950
Batch 49/248, train_loss: 0.3201, step time: 1.3698
Batch 50/248, train_loss: 0.1045, step time: 1.3929
Batch 51/248, train_loss: 0.1189, step time: 1.3896
Batch 52/248, train_loss: 0.0983, step time: 1.3910
Batch 53/248, train_loss: 0.3216, step time: 1.3693
Batch 54/248, train_loss: 0.2068, step time: 1.3906
Batch 55/248, train_loss: 0.1918, step time: 1.3754
Batch 56/248, train_loss: 0.1411, step time: 1.3769
Batch 57/248, train_loss: 0.1988, step time: 1.3809
Batch 58/248, train_loss: 0.0574, step time: 1.3418
Batch 59/248, train_loss: 0.0874, step time: 1.3755
Batch 60/248, train_loss: 0.0466, step time: 1.3515
Batch 61/248, train_loss: 0.0657, step time: 1.3894
Batch 62/248, train_loss: 0.1889, step time: 1.3637
Batch 63/248, train_loss: 0.3991, step time: 1.3803
Batch 64/248, train_loss: 0.3453, step time: 1.3815
Batch 65/248, train_loss: 0.2201, step time: 1.3954
```

Batch 66/248, train_loss: 0.0853, step time: 1.3524
Batch 67/248, train_loss: 0.0608, step time: 1.3898
Batch 68/248, train_loss: 0.1118, step time: 1.3859
Batch 69/248, train_loss: 0.3071, step time: 1.3953
Batch 70/248, train_loss: 0.1430, step time: 1.4021
Batch 71/248, train_loss: 0.1152, step time: 1.3870
Batch 72/248, train_loss: 0.0617, step time: 1.3682
Batch 73/248, train_loss: 0.0885, step time: 1.3669
Batch 74/248, train_loss: 0.2046, step time: 1.3811
Batch 75/248, train_loss: 0.0896, step time: 1.3599
Batch 76/248, train_loss: 0.3531, step time: 1.3845
Batch 77/248, train_loss: 0.7143, step time: 1.3931
Batch 78/248, train_loss: 0.0920, step time: 1.3647
Batch 79/248, train_loss: 0.1049, step time: 1.3902
Batch 80/248, train_loss: 0.1840, step time: 1.3834
Batch 81/248, train_loss: 0.1193, step time: 1.4067
Batch 82/248, train_loss: 0.0825, step time: 1.3761
Batch 83/248, train_loss: 0.5096, step time: 1.4034
Batch 84/248, train_loss: 0.1571, step time: 1.3805
Batch 85/248, train_loss: 0.3629, step time: 1.3727
Batch 86/248, train_loss: 0.2084, step time: 1.3697
Batch 87/248, train_loss: 0.7356, step time: 1.3697
Batch 88/248, train_loss: 0.2737, step time: 1.3935
Batch 89/248, train_loss: 0.0582, step time: 1.3743
Batch 90/248, train_loss: 0.1516, step time: 1.3971
Batch 91/248, train_loss: 0.2990, step time: 1.3893
Batch 92/248, train_loss: 0.6103, step time: 1.3758
Batch 93/248, train_loss: 0.1418, step time: 1.4041
Batch 94/248, train_loss: 0.2369, step time: 1.3987
Batch 95/248, train_loss: 0.1547, step time: 1.3642
Batch 96/248, train_loss: 0.0930, step time: 1.3585
Batch 97/248, train_loss: 0.3645, step time: 1.3887
Batch 98/248, train_loss: 0.1033, step time: 1.3911
Batch 99/248, train_loss: 0.2762, step time: 1.3661
Batch 100/248, train_loss: 0.2063, step time: 1.3661
Batch 101/248, train_loss: 0.0458, step time: 1.3656
Batch 102/248, train_loss: 0.0844, step time: 1.3626
Batch 103/248, train_loss: 0.2864, step time: 1.3969
Batch 104/248, train_loss: 0.2466, step time: 1.3909
Batch 105/248, train_loss: 0.0666, step time: 1.3831
Batch 106/248, train_loss: 0.1152, step time: 1.4025
Batch 107/248, train_loss: 0.2227, step time: 1.3753
Batch 108/248, train_loss: 0.5465, step time: 1.4103
Batch 109/248, train_loss: 0.4165, step time: 1.3951
Batch 110/248, train_loss: 0.3273, step time: 1.3920
Batch 111/248, train_loss: 0.0753, step time: 1.3744
Batch 112/248, train_loss: 0.0765, step time: 1.3832
Batch 113/248, train_loss: 0.4755, step time: 1.3742
Batch 114/248, train_loss: 0.0925, step time: 1.3674
Batch 115/248, train_loss: 0.1104, step time: 1.3821
Batch 116/248, train_loss: 0.0565, step time: 1.3832
Batch 117/248, train_loss: 0.4048, step time: 1.3720
Batch 118/248, train_loss: 0.1341, step time: 1.3696
Batch 119/248, train_loss: 0.2341, step time: 1.3905
Batch 120/248, train_loss: 0.1911, step time: 1.3821
Batch 121/248, train_loss: 0.2418, step time: 1.3787
Batch 122/248, train_loss: 0.4136, step time: 1.3977
Batch 123/248, train_loss: 0.0452, step time: 1.3789
Batch 124/248, train_loss: 0.2586, step time: 1.3987
Batch 125/248, train_loss: 0.4258, step time: 1.3734
Batch 126/248, train_loss: 0.2024, step time: 1.3933
Batch 127/248, train_loss: 0.0915, step time: 1.3923
Batch 128/248, train_loss: 0.1119, step time: 1.3992
Batch 129/248, train_loss: 0.0804, step time: 1.3625
Batch 130/248, train_loss: 0.0798, step time: 1.3795
Batch 131/248, train_loss: 0.3491, step time: 1.3598
Batch 132/248, train_loss: 0.1658, step time: 1.3740
Batch 133/248, train_loss: 0.1048, step time: 1.3665
Batch 134/248, train_loss: 0.5881, step time: 1.3812
Batch 135/248, train_loss: 0.1661, step time: 1.3916
Batch 136/248, train_loss: 0.1096, step time: 1.3626
Batch 137/248, train_loss: 0.1082, step time: 1.3720
Batch 138/248, train_loss: 0.0683, step time: 1.3615
Batch 139/248, train_loss: 0.1588, step time: 1.3688
Batch 140/248, train_loss: 0.1808, step time: 1.3601
Batch 141/248, train_loss: 0.0998, step time: 1.3846
Batch 142/248, train_loss: 0.4838, step time: 1.3895
Batch 143/248, train_loss: 0.1927, step time: 1.3886
Batch 144/248, train_loss: 0.1234, step time: 1.3651
Batch 145/248, train_loss: 0.0645, step time: 1.3982
Batch 146/248, train_loss: 0.2473, step time: 1.3830
Batch 147/248, train_loss: 0.0348, step time: 1.3869
Batch 148/248, train_loss: 0.5084, step time: 1.3809
Batch 149/248, train_loss: 0.1217, step time: 1.3663
Batch 150/248, train_loss: 0.2780, step time: 1.3734

Batch 151/248, train_loss: 0.1878, step time: 1.4089
Batch 152/248, train_loss: 0.0404, step time: 1.3925
Batch 153/248, train_loss: 0.1462, step time: 1.3857
Batch 154/248, train_loss: 0.4764, step time: 1.3833
Batch 155/248, train_loss: 0.0880, step time: 1.4087
Batch 156/248, train_loss: 0.1311, step time: 1.4019
Batch 157/248, train_loss: 0.2942, step time: 1.3616
Batch 158/248, train_loss: 0.8260, step time: 1.3641
Batch 159/248, train_loss: 0.2180, step time: 1.3864
Batch 160/248, train_loss: 0.0970, step time: 1.3693
Batch 161/248, train_loss: 0.0632, step time: 1.3785
Batch 162/248, train_loss: 0.0578, step time: 1.3860
Batch 163/248, train_loss: 0.1115, step time: 1.3922
Batch 164/248, train_loss: 0.1287, step time: 1.3814
Batch 165/248, train_loss: 0.3241, step time: 1.3864
Batch 166/248, train_loss: 0.0904, step time: 1.3735
Batch 167/248, train_loss: 0.1359, step time: 1.3610
Batch 168/248, train_loss: 0.1197, step time: 1.3820
Batch 169/248, train_loss: 0.1022, step time: 1.3815
Batch 170/248, train_loss: 0.4573, step time: 1.3832
Batch 171/248, train_loss: 0.0676, step time: 1.3791
Batch 172/248, train_loss: 0.2692, step time: 1.3871
Batch 173/248, train_loss: 0.0673, step time: 1.3961
Batch 174/248, train_loss: 0.3934, step time: 1.3888
Batch 175/248, train_loss: 0.0871, step time: 1.4001
Batch 176/248, train_loss: 0.2830, step time: 1.3663
Batch 177/248, train_loss: 0.2472, step time: 1.4161
Batch 178/248, train_loss: 0.1495, step time: 1.3686
Batch 179/248, train_loss: 0.0545, step time: 1.3865
Batch 180/248, train_loss: 0.3022, step time: 1.3937
Batch 181/248, train_loss: 0.0803, step time: 1.3656
Batch 182/248, train_loss: 0.8885, step time: 1.3919
Batch 183/248, train_loss: 0.0676, step time: 1.3647
Batch 184/248, train_loss: 0.1789, step time: 1.3838
Batch 185/248, train_loss: 0.0699, step time: 1.3675
Batch 186/248, train_loss: 0.0687, step time: 1.3682
Batch 187/248, train_loss: 0.1786, step time: 1.3932
Batch 188/248, train_loss: 0.1713, step time: 1.3973
Batch 189/248, train_loss: 0.4841, step time: 1.3636
Batch 190/248, train_loss: 0.1053, step time: 1.3711
Batch 191/248, train_loss: 0.6716, step time: 1.3745
Batch 192/248, train_loss: 0.2268, step time: 1.3660
Batch 193/248, train_loss: 0.2092, step time: 1.3744
Batch 194/248, train_loss: 0.0686, step time: 1.3616
Batch 195/248, train_loss: 0.5692, step time: 1.3760
Batch 196/248, train_loss: 0.6056, step time: 1.3813
Batch 197/248, train_loss: 0.1470, step time: 1.3854
Batch 198/248, train_loss: 0.4408, step time: 1.4051
Batch 199/248, train_loss: 0.1313, step time: 1.3604
Batch 200/248, train_loss: 0.1101, step time: 1.3676
Batch 201/248, train_loss: 0.1001, step time: 1.3663
Batch 202/248, train_loss: 0.4187, step time: 1.3802
Batch 203/248, train_loss: 0.2909, step time: 1.3634
Batch 204/248, train_loss: 0.0930, step time: 1.3851
Batch 205/248, train_loss: 0.2236, step time: 1.4003
Batch 206/248, train_loss: 0.3150, step time: 1.3920
Batch 207/248, train_loss: 0.1000, step time: 1.3650
Batch 208/248, train_loss: 0.1218, step time: 1.3740
Batch 209/248, train_loss: 0.1216, step time: 1.3623
Batch 210/248, train_loss: 0.0562, step time: 1.3716
Batch 211/248, train_loss: 0.0673, step time: 1.3623
Batch 212/248, train_loss: 0.2347, step time: 1.3863
Batch 213/248, train_loss: 0.1262, step time: 1.3792
Batch 214/248, train_loss: 0.0700, step time: 1.3755
Batch 215/248, train_loss: 0.2743, step time: 1.4097
Batch 216/248, train_loss: 0.1523, step time: 1.4026
Batch 217/248, train_loss: 0.2432, step time: 1.3847
Batch 218/248, train_loss: 0.7440, step time: 1.3845
Batch 219/248, train_loss: 0.0591, step time: 1.3777
Batch 220/248, train_loss: 0.1779, step time: 1.3947
Batch 221/248, train_loss: 0.2337, step time: 1.3778
Batch 222/248, train_loss: 0.2251, step time: 1.3691
Batch 223/248, train_loss: 0.0436, step time: 1.3914
Batch 224/248, train_loss: 0.0769, step time: 1.3851
Batch 225/248, train_loss: 0.1479, step time: 1.3790
Batch 226/248, train_loss: 0.1238, step time: 1.3678
Batch 227/248, train_loss: 0.0874, step time: 1.3947
Batch 228/248, train_loss: 0.1624, step time: 1.3713
Batch 229/248, train_loss: 0.0739, step time: 1.3516
Batch 230/248, train_loss: 0.0600, step time: 1.3667
Batch 231/248, train_loss: 0.2594, step time: 1.3903
Batch 232/248, train_loss: 0.0698, step time: 1.3710
Batch 233/248, train_loss: 0.7501, step time: 1.3738
Batch 234/248, train_loss: 0.3616, step time: 1.3842
Batch 235/248, train_loss: 0.1927, step time: 1.3682

```
Batch 229/248, train_loss: 0.1027, step time: 1.3600  
Batch 236/248, train_loss: 0.7005, step time: 1.3877  
Batch 237/248, train_loss: 0.1163, step time: 1.3701  
Batch 238/248, train_loss: 0.0891, step time: 1.3789  
Batch 239/248, train_loss: 0.0431, step time: 1.3647  
Batch 240/248, train_loss: 0.2216, step time: 1.3938  
Batch 241/248, train_loss: 0.4766, step time: 1.3804  
Batch 242/248, train_loss: 0.1613, step time: 1.3870  
Batch 243/248, train_loss: 0.3949, step time: 1.4000  
Batch 244/248, train_loss: 0.2751, step time: 1.3844  
Batch 245/248, train_loss: 0.0699, step time: 1.3652  
Batch 246/248, train_loss: 0.5133, step time: 1.3947  
Batch 247/248, train_loss: 0.0595, step time: 1.3990  
Batch 248/248, train_loss: 0.9997, step time: 1.3776
```

Labels

TC



WT

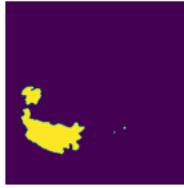


ET

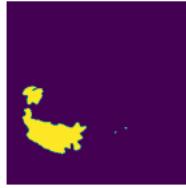


Predictions

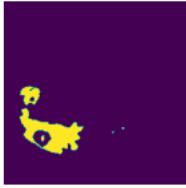
TC



WT



ET

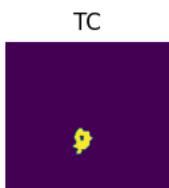


VAL

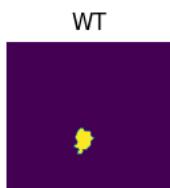
```
Batch 1/31, val_loss: 0.8317  
Batch 2/31, val_loss: 0.9881  
Batch 3/31, val_loss: 0.9565  
Batch 4/31, val_loss: 0.9377  
Batch 5/31, val_loss: 0.9897  
Batch 6/31, val_loss: 0.6866  
Batch 7/31, val_loss: 0.8123  
Batch 8/31, val_loss: 0.9376  
Batch 9/31, val_loss: 0.6872  
Batch 10/31, val_loss: 0.9039  
Batch 11/31, val_loss: 0.8146  
Batch 12/31, val_loss: 0.9696  
Batch 13/31, val_loss: 0.9762  
Batch 14/31, val_loss: 0.9314  
Batch 15/31, val_loss: 0.9839  
Batch 16/31, val_loss: 0.9692  
Batch 17/31, val_loss: 0.9585  
Batch 18/31, val_loss: 0.9237  
Batch 19/31, val_loss: 0.7291  
Batch 20/31, val_loss: 0.8477  
Batch 21/31, val_loss: 0.8610  
Batch 22/31, val_loss: 0.9581  
Batch 23/31, val_loss: 0.9679  
Batch 24/31, val_loss: 0.7311  
Batch 25/31, val_loss: 0.7947  
Batch 26/31, val_loss: 0.9229  
Batch 27/31, val_loss: 0.9736  
Batch 28/31, val_loss: 0.7402  
Batch 29/31, val_loss: 0.9813  
Batch 30/31, val_loss: 0.9630  
Batch 31/31, val_loss: 0.9711
```

Labels

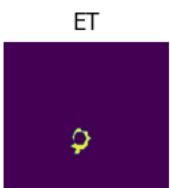
TC



WT



ET



Predictions

TC



WT



ET





```
epoch 96
average train loss: 0.2152
average validation loss: 0.8936
saved as best model: True
current mean dice: 0.6490
current TC dice: 0.6826
current WT dice: 0.6892
current ET dice: 0.6147
Best Mean Metric: 0.6490
time consuming of epoch 96 is: 1695.7707
```

```
-----  
epoch 97/100  
TRAIN
```

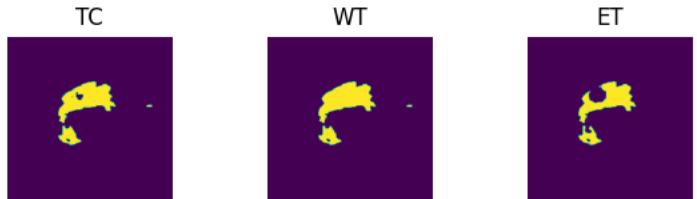
```
Batch 1/248, train_loss: 0.0736, step time: 1.4574
Batch 2/248, train_loss: 0.6905, step time: 1.3916
Batch 3/248, train_loss: 0.3267, step time: 1.3903
Batch 4/248, train_loss: 0.8376, step time: 1.4005
Batch 5/248, train_loss: 0.2043, step time: 1.3738
Batch 6/248, train_loss: 0.1616, step time: 1.3907
Batch 7/248, train_loss: 0.0556, step time: 1.3532
Batch 8/248, train_loss: 0.5335, step time: 1.3925
Batch 9/248, train_loss: 0.0321, step time: 1.3634
Batch 10/248, train_loss: 0.2103, step time: 1.3814
Batch 11/248, train_loss: 0.1625, step time: 1.3774
Batch 12/248, train_loss: 0.2695, step time: 1.3957
Batch 13/248, train_loss: 0.2284, step time: 1.3910
Batch 14/248, train_loss: 0.0521, step time: 1.3699
Batch 15/248, train_loss: 0.2882, step time: 1.3848
Batch 16/248, train_loss: 0.1448, step time: 1.3813
Batch 17/248, train_loss: 0.1682, step time: 1.3943
Batch 18/248, train_loss: 0.2834, step time: 1.3683
Batch 19/248, train_loss: 0.0965, step time: 1.3670
Batch 20/248, train_loss: 0.1145, step time: 1.3909
Batch 21/248, train_loss: 0.0417, step time: 1.3900
Batch 22/248, train_loss: 0.3470, step time: 1.3888
Batch 23/248, train_loss: 0.5298, step time: 1.3828
Batch 24/248, train_loss: 0.0716, step time: 1.3762
Batch 25/248, train_loss: 0.0489, step time: 1.3612
Batch 26/248, train_loss: 0.3630, step time: 1.3701
Batch 27/248, train_loss: 0.0600, step time: 1.3893
Batch 28/248, train_loss: 0.1406, step time: 1.3778
Batch 29/248, train_loss: 0.2643, step time: 1.3957
Batch 30/248, train_loss: 0.1650, step time: 1.3782
Batch 31/248, train_loss: 0.2711, step time: 1.3912
Batch 32/248, train_loss: 0.0774, step time: 1.3596
Batch 33/248, train_loss: 0.0630, step time: 1.3673
Batch 34/248, train_loss: 0.0365, step time: 1.3869
Batch 35/248, train_loss: 0.0399, step time: 1.3976
Batch 36/248, train_loss: 0.3735, step time: 1.3742
Batch 37/248, train_loss: 0.1178, step time: 1.3857
Batch 38/248, train_loss: 0.2767, step time: 1.3604
Batch 39/248, train_loss: 0.1459, step time: 1.3983
Batch 40/248, train_loss: 0.5046, step time: 1.3746
Batch 41/248, train_loss: 0.1737, step time: 1.3979
Batch 42/248, train_loss: 0.0751, step time: 1.3863
Batch 43/248, train_loss: 0.0471, step time: 1.3894
Batch 44/248, train_loss: 0.2188, step time: 1.3705
Batch 45/248, train_loss: 0.4196, step time: 1.3755
Batch 46/248, train_loss: 0.1396, step time: 1.3956
Batch 47/248, train_loss: 0.0677, step time: 1.3662
Batch 48/248, train_loss: 0.1816, step time: 1.3715
Batch 49/248, train_loss: 0.4317, step time: 1.3899
Batch 50/248, train_loss: 0.1139, step time: 1.3571
Batch 51/248, train_loss: 0.1163, step time: 1.3806
Batch 52/248, train_loss: 0.0983, step time: 1.3921
Batch 53/248, train_loss: 0.3755, step time: 1.3766
Batch 54/248, train_loss: 0.2264, step time: 1.4055
Batch 55/248, train_loss: 0.2250, step time: 1.3785
Batch 56/248, train_loss: 0.1511, step time: 1.3943
Batch 57/248, train_loss: 0.2122, step time: 1.3916
Batch 58/248, train_loss: 0.0646, step time: 1.3497
Batch 59/248, train_loss: 0.0759, step time: 1.3644
Batch 60/248, train_loss: 0.0477, step time: 1.3643
Batch 61/248, train_loss: 0.0639, step time: 1.3713
Batch 62/248, train_loss: 0.2104, step time: 1.3693
Batch 63/248, train_loss: 0.3982, step time: 1.3866
Batch 64/248, train_loss: 0.3262, step time: 1.3679
Batch 65/248, train_loss: 0.2214, step time: 1.3651
```

Batch 55/248, train_loss: 0.2511, step time: 1.3004
Batch 66/248, train_loss: 0.0938, step time: 1.3988
Batch 67/248, train_loss: 0.0552, step time: 1.3641
Batch 68/248, train_loss: 0.1083, step time: 1.3976
Batch 69/248, train_loss: 0.3417, step time: 1.3967
Batch 70/248, train_loss: 0.1638, step time: 1.3850
Batch 71/248, train_loss: 0.1185, step time: 1.3628
Batch 72/248, train_loss: 0.0376, step time: 1.3658
Batch 73/248, train_loss: 0.0889, step time: 1.3435
Batch 74/248, train_loss: 0.3278, step time: 1.3577
Batch 75/248, train_loss: 0.0898, step time: 1.3465
Batch 76/248, train_loss: 0.4175, step time: 1.3614
Batch 77/248, train_loss: 0.6797, step time: 1.3466
Batch 78/248, train_loss: 0.0640, step time: 1.3384
Batch 79/248, train_loss: 0.1236, step time: 1.3364
Batch 80/248, train_loss: 0.1723, step time: 1.3420
Batch 81/248, train_loss: 0.1557, step time: 1.3355
Batch 82/248, train_loss: 0.0712, step time: 1.3472
Batch 83/248, train_loss: 0.5044, step time: 1.3495
Batch 84/248, train_loss: 0.2034, step time: 1.3616
Batch 85/248, train_loss: 0.3189, step time: 1.3319
Batch 86/248, train_loss: 0.2004, step time: 1.3447
Batch 87/248, train_loss: 0.4979, step time: 1.3455
Batch 88/248, train_loss: 0.3193, step time: 1.3315
Batch 89/248, train_loss: 0.0723, step time: 1.3311
Batch 90/248, train_loss: 0.1747, step time: 1.3204
Batch 91/248, train_loss: 0.2915, step time: 1.3308
Batch 92/248, train_loss: 0.5786, step time: 1.3183
Batch 93/248, train_loss: 0.1402, step time: 1.3437
Batch 94/248, train_loss: 0.1914, step time: 1.3238
Batch 95/248, train_loss: 0.1567, step time: 1.3408
Batch 96/248, train_loss: 0.1152, step time: 1.3202
Batch 97/248, train_loss: 0.4386, step time: 1.3276
Batch 98/248, train_loss: 0.0923, step time: 1.3513
Batch 99/248, train_loss: 0.2407, step time: 1.3284
Batch 100/248, train_loss: 0.2189, step time: 1.3403
Batch 101/248, train_loss: 0.0484, step time: 1.3538
Batch 102/248, train_loss: 0.0823, step time: 1.3178
Batch 103/248, train_loss: 0.2720, step time: 1.3514
Batch 104/248, train_loss: 0.2262, step time: 1.3474
Batch 105/248, train_loss: 0.0639, step time: 1.3364
Batch 106/248, train_loss: 0.1245, step time: 1.3175
Batch 107/248, train_loss: 0.1966, step time: 1.3185
Batch 108/248, train_loss: 0.5207, step time: 1.3538
Batch 109/248, train_loss: 0.4293, step time: 1.3525
Batch 110/248, train_loss: 0.2704, step time: 1.3476
Batch 111/248, train_loss: 0.0754, step time: 1.3175
Batch 112/248, train_loss: 0.1685, step time: 1.3230
Batch 113/248, train_loss: 0.4029, step time: 1.3369
Batch 114/248, train_loss: 0.1069, step time: 1.3227
Batch 115/248, train_loss: 0.1259, step time: 1.3166
Batch 116/248, train_loss: 0.0575, step time: 1.3549
Batch 117/248, train_loss: 0.3750, step time: 1.3255
Batch 118/248, train_loss: 0.1410, step time: 1.3409
Batch 119/248, train_loss: 0.2473, step time: 1.3417
Batch 120/248, train_loss: 0.1937, step time: 1.3566
Batch 121/248, train_loss: 0.2484, step time: 1.3280
Batch 122/248, train_loss: 0.3796, step time: 1.3172
Batch 123/248, train_loss: 0.0484, step time: 1.3514
Batch 124/248, train_loss: 0.2022, step time: 1.3332
Batch 125/248, train_loss: 0.4911, step time: 1.3576
Batch 126/248, train_loss: 0.2249, step time: 1.3113
Batch 127/248, train_loss: 0.0925, step time: 1.3139
Batch 128/248, train_loss: 0.1131, step time: 1.3417
Batch 129/248, train_loss: 0.0710, step time: 1.3428
Batch 130/248, train_loss: 0.0785, step time: 1.3219
Batch 131/248, train_loss: 0.3474, step time: 1.3145
Batch 132/248, train_loss: 0.1518, step time: 1.3172
Batch 133/248, train_loss: 0.0732, step time: 1.3390
Batch 134/248, train_loss: 0.6550, step time: 1.3342
Batch 135/248, train_loss: 0.1617, step time: 1.3243
Batch 136/248, train_loss: 0.0828, step time: 1.3352
Batch 137/248, train_loss: 0.0966, step time: 1.3447
Batch 138/248, train_loss: 0.0621, step time: 1.3369
Batch 139/248, train_loss: 0.1626, step time: 1.3225
Batch 140/248, train_loss: 0.1712, step time: 1.3365
Batch 141/248, train_loss: 0.1048, step time: 1.3472
Batch 142/248, train_loss: 0.4369, step time: 1.3393
Batch 143/248, train_loss: 0.2021, step time: 1.3222
Batch 144/248, train_loss: 0.1065, step time: 1.3313
Batch 145/248, train_loss: 0.0524, step time: 1.3086
Batch 146/248, train_loss: 0.2577, step time: 1.3126
Batch 147/248, train_loss: 0.0442, step time: 1.3222
Batch 148/248, train_loss: 0.4664, step time: 1.3270
Batch 149/248, train_loss: 0.1023, step time: 1.3239

```
Batch 150/248, train_loss: 0.2803, step time: 1.3401
Batch 151/248, train_loss: 0.2063, step time: 1.3139
Batch 152/248, train_loss: 0.0360, step time: 1.3283
Batch 153/248, train_loss: 0.1436, step time: 1.3227
Batch 154/248, train_loss: 0.4881, step time: 1.3427
Batch 155/248, train_loss: 0.1028, step time: 1.3079
Batch 156/248, train_loss: 0.1389, step time: 1.3162
Batch 157/248, train_loss: 0.2814, step time: 1.3156
Batch 158/248, train_loss: 0.7465, step time: 1.3468
Batch 159/248, train_loss: 0.2792, step time: 1.3355
Batch 160/248, train_loss: 0.0784, step time: 1.3145
Batch 161/248, train_loss: 0.0605, step time: 1.3340
Batch 162/248, train_loss: 0.0560, step time: 1.3156
Batch 163/248, train_loss: 0.1074, step time: 1.3396
Batch 164/248, train_loss: 0.1556, step time: 1.3218
Batch 165/248, train_loss: 0.3827, step time: 1.3342
Batch 166/248, train_loss: 0.0924, step time: 1.3424
Batch 167/248, train_loss: 0.1336, step time: 1.3424
Batch 168/248, train_loss: 0.1145, step time: 1.3308
Batch 169/248, train_loss: 0.1098, step time: 1.3224
Batch 170/248, train_loss: 0.4731, step time: 1.3166
Batch 171/248, train_loss: 0.0775, step time: 1.3339
Batch 172/248, train_loss: 0.3867, step time: 1.3311
Batch 173/248, train_loss: 0.0666, step time: 1.3368
Batch 174/248, train_loss: 0.4827, step time: 1.3190
Batch 175/248, train_loss: 0.0886, step time: 1.3390
Batch 176/248, train_loss: 0.3138, step time: 1.3152
Batch 177/248, train_loss: 0.6297, step time: 1.3372
Batch 178/248, train_loss: 0.1625, step time: 1.3208
Batch 179/248, train_loss: 0.3998, step time: 1.3427
Batch 180/248, train_loss: 0.3195, step time: 1.3269
Batch 181/248, train_loss: 0.0694, step time: 1.3018
Batch 182/248, train_loss: 0.6955, step time: 1.3492
Batch 183/248, train_loss: 0.0748, step time: 1.3132
Batch 184/248, train_loss: 0.2053, step time: 1.3117
Batch 185/248, train_loss: 0.0727, step time: 1.3085
Batch 186/248, train_loss: 0.0775, step time: 1.3105
Batch 187/248, train_loss: 0.1393, step time: 1.3242
Batch 188/248, train_loss: 0.1774, step time: 1.3284
Batch 189/248, train_loss: 0.4510, step time: 1.3407
Batch 190/248, train_loss: 0.1049, step time: 1.3457
Batch 191/248, train_loss: 0.6854, step time: 1.3482
Batch 192/248, train_loss: 0.2325, step time: 1.3144
Batch 193/248, train_loss: 0.2100, step time: 1.3352
Batch 194/248, train_loss: 0.0718, step time: 1.3166
Batch 195/248, train_loss: 0.5835, step time: 1.3317
Batch 196/248, train_loss: 0.7423, step time: 1.3542
Batch 197/248, train_loss: 0.1677, step time: 1.3407
Batch 198/248, train_loss: 0.4381, step time: 1.3341
Batch 199/248, train_loss: 0.1422, step time: 1.3284
Batch 200/248, train_loss: 0.1036, step time: 1.3406
Batch 201/248, train_loss: 0.1129, step time: 1.3348
Batch 202/248, train_loss: 0.3853, step time: 1.3615
Batch 203/248, train_loss: 0.3392, step time: 1.3487
Batch 204/248, train_loss: 0.1275, step time: 1.3358
Batch 205/248, train_loss: 0.2411, step time: 1.3619
Batch 206/248, train_loss: 0.3031, step time: 1.3706
Batch 207/248, train_loss: 0.0688, step time: 1.3659
Batch 208/248, train_loss: 0.1125, step time: 1.3768
Batch 209/248, train_loss: 0.1227, step time: 1.3511
Batch 210/248, train_loss: 0.0558, step time: 1.3454
Batch 211/248, train_loss: 0.0666, step time: 1.3526
Batch 212/248, train_loss: 0.1980, step time: 1.3669
Batch 213/248, train_loss: 0.1351, step time: 1.3777
Batch 214/248, train_loss: 0.0658, step time: 1.3753
Batch 215/248, train_loss: 0.2172, step time: 1.3875
Batch 216/248, train_loss: 0.1573, step time: 1.3690
Batch 217/248, train_loss: 0.2512, step time: 1.3891
Batch 218/248, train_loss: 0.7447, step time: 1.3747
Batch 219/248, train_loss: 0.0608, step time: 1.3859
Batch 220/248, train_loss: 0.1760, step time: 1.3970
Batch 221/248, train_loss: 0.2254, step time: 1.3766
Batch 222/248, train_loss: 0.1805, step time: 1.3926
Batch 223/248, train_loss: 0.0442, step time: 1.3871
Batch 224/248, train_loss: 0.0738, step time: 1.3759
Batch 225/248, train_loss: 0.1677, step time: 1.3659
Batch 226/248, train_loss: 0.0966, step time: 1.3594
Batch 227/248, train_loss: 0.0802, step time: 1.3694
Batch 228/248, train_loss: 0.1338, step time: 1.3585
Batch 229/248, train_loss: 0.0775, step time: 1.3578
Batch 230/248, train_loss: 0.0610, step time: 1.3619
Batch 231/248, train_loss: 0.2929, step time: 1.4084
Batch 232/248, train_loss: 0.0740, step time: 1.3746
Batch 233/248, train_loss: 0.8168, step time: 1.3885
Batch 234/248, train_loss: 0.3637, step time: 1.3930
```

```
Batch 235/248, train_loss: 0.1684, step time: 1.3972  
Batch 236/248, train_loss: 0.6913, step time: 1.3967  
Batch 237/248, train_loss: 0.1181, step time: 1.3897  
Batch 238/248, train_loss: 0.0874, step time: 1.3606  
Batch 239/248, train_loss: 0.0644, step time: 1.3735  
Batch 240/248, train_loss: 0.2256, step time: 1.3918  
Batch 241/248, train_loss: 0.4572, step time: 1.3657  
Batch 242/248, train_loss: 0.1436, step time: 1.3880  
Batch 243/248, train_loss: 0.3694, step time: 1.3644  
Batch 244/248, train_loss: 0.4487, step time: 1.3831  
Batch 245/248, train_loss: 0.0658, step time: 1.3875  
Batch 246/248, train_loss: 0.4965, step time: 1.3926  
Batch 247/248, train_loss: 0.0615, step time: 1.3809  
Batch 248/248, train_loss: 0.9996, step time: 1.3596
```

Labels



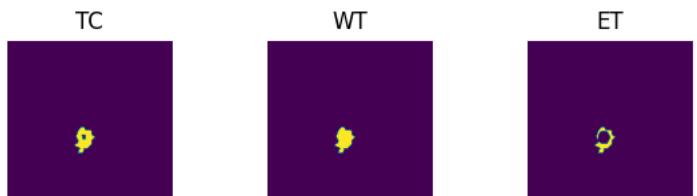
Predictions



VAL

```
Batch 1/31, val_loss: 0.8304  
Batch 2/31, val_loss: 0.9878  
Batch 3/31, val_loss: 0.9576  
Batch 4/31, val_loss: 0.9343  
Batch 5/31, val_loss: 0.9904  
Batch 6/31, val_loss: 0.6929  
Batch 7/31, val_loss: 0.8129  
Batch 8/31, val_loss: 0.9340  
Batch 9/31, val_loss: 0.6877  
Batch 10/31, val_loss: 0.9055  
Batch 11/31, val_loss: 0.8143  
Batch 12/31, val_loss: 0.9671  
Batch 13/31, val_loss: 0.9899  
Batch 14/31, val_loss: 0.9324  
Batch 15/31, val_loss: 0.9833  
Batch 16/31, val_loss: 0.9699  
Batch 17/31, val_loss: 0.9575  
Batch 18/31, val_loss: 0.9232  
Batch 19/31, val_loss: 0.7300  
Batch 20/31, val_loss: 0.8590  
Batch 21/31, val_loss: 0.8575  
Batch 22/31, val_loss: 0.9590  
Batch 23/31, val_loss: 0.9672  
Batch 24/31, val_loss: 0.7323  
Batch 25/31, val_loss: 0.7951  
Batch 26/31, val_loss: 0.9224  
Batch 27/31, val_loss: 0.9747  
Batch 28/31, val_loss: 0.7392  
Batch 29/31, val_loss: 0.9810  
Batch 30/31, val_loss: 0.9642  
Batch 31/31, val_loss: 0.9712
```

Labels



Predictions





```
epoch 97
  average train loss: 0.2222
  average validation loss: 0.8943
  saved as best model: False
  current mean dice: 0.6440
  current TC dice: 0.6727
  current WT dice: 0.6794
  current ET dice: 0.6181
Best Mean Metric: 0.6490
time consuming of epoch 97 is: 1688.8360
-----
```

```
epoch 98/100
```

```
TRAIN
```

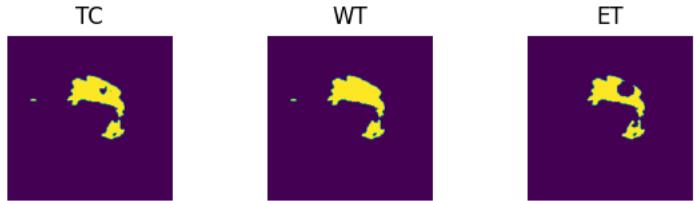
```
Batch 1/248, train_loss: 0.0664, step time: 1.4385
Batch 2/248, train_loss: 0.7397, step time: 1.3944
Batch 3/248, train_loss: 0.3184, step time: 1.3949
Batch 4/248, train_loss: 0.6936, step time: 1.3564
Batch 5/248, train_loss: 0.1676, step time: 1.3731
Batch 6/248, train_loss: 0.1628, step time: 1.3824
Batch 7/248, train_loss: 0.0495, step time: 1.3655
Batch 8/248, train_loss: 0.5402, step time: 1.4018
Batch 9/248, train_loss: 0.0319, step time: 1.3909
Batch 10/248, train_loss: 0.2076, step time: 1.3934
Batch 11/248, train_loss: 0.1539, step time: 1.3897
Batch 12/248, train_loss: 0.2739, step time: 1.3792
Batch 13/248, train_loss: 0.2242, step time: 1.3806
Batch 14/248, train_loss: 0.0604, step time: 1.3784
Batch 15/248, train_loss: 0.2804, step time: 1.3877
Batch 16/248, train_loss: 0.1374, step time: 1.3601
Batch 17/248, train_loss: 0.1654, step time: 1.3843
Batch 18/248, train_loss: 0.2749, step time: 1.3907
Batch 19/248, train_loss: 0.0901, step time: 1.3867
Batch 20/248, train_loss: 0.2815, step time: 1.3929
Batch 21/248, train_loss: 0.0377, step time: 1.3549
Batch 22/248, train_loss: 0.3377, step time: 1.3688
Batch 23/248, train_loss: 0.3340, step time: 1.3723
Batch 24/248, train_loss: 0.0710, step time: 1.3939
Batch 25/248, train_loss: 0.0472, step time: 1.3689
Batch 26/248, train_loss: 0.4435, step time: 1.4055
Batch 27/248, train_loss: 0.0636, step time: 1.3789
Batch 28/248, train_loss: 0.1565, step time: 1.3742
Batch 29/248, train_loss: 0.3498, step time: 1.3680
Batch 30/248, train_loss: 0.2462, step time: 1.3661
Batch 31/248, train_loss: 0.2620, step time: 1.3953
Batch 32/248, train_loss: 0.0703, step time: 1.3556
Batch 33/248, train_loss: 0.0657, step time: 1.3894
Batch 34/248, train_loss: 0.0367, step time: 1.3511
Batch 35/248, train_loss: 0.0397, step time: 1.3562
Batch 36/248, train_loss: 0.4331, step time: 1.3894
Batch 37/248, train_loss: 0.1275, step time: 1.3864
Batch 38/248, train_loss: 0.2694, step time: 1.3761
Batch 39/248, train_loss: 0.1642, step time: 1.3632
Batch 40/248, train_loss: 0.5013, step time: 1.3960
Batch 41/248, train_loss: 0.1699, step time: 1.3722
Batch 42/248, train_loss: 0.0647, step time: 1.3816
Batch 43/248, train_loss: 0.0432, step time: 1.3842
Batch 44/248, train_loss: 0.1736, step time: 1.3664
Batch 45/248, train_loss: 0.4319, step time: 1.3758
Batch 46/248, train_loss: 0.1518, step time: 1.3794
Batch 47/248, train_loss: 0.0683, step time: 1.3946
Batch 48/248, train_loss: 0.1572, step time: 1.3940
Batch 49/248, train_loss: 0.3457, step time: 1.3650
Batch 50/248, train_loss: 0.1103, step time: 1.3848
Batch 51/248, train_loss: 0.1096, step time: 1.3879
Batch 52/248, train_loss: 0.1069, step time: 1.3828
Batch 53/248, train_loss: 0.3183, step time: 1.3657
Batch 54/248, train_loss: 0.2053, step time: 1.3765
Batch 55/248, train_loss: 0.1952, step time: 1.3871
Batch 56/248, train_loss: 0.1341, step time: 1.3970
Batch 57/248, train_loss: 0.1744, step time: 1.3886
Batch 58/248, train_loss: 0.0594, step time: 1.3533
Batch 59/248, train_loss: 0.0870, step time: 1.3661
Batch 60/248, train_loss: 0.0492, step time: 1.3779
Batch 61/248, train_loss: 0.0666, step time: 1.3802
Batch 62/248, train_loss: 0.1873, step time: 1.3789
Batch 63/248, train_loss: 0.3585, step time: 1.3674
Batch 64/248, train_loss: 0.3207, step time: 1.3867
-----
```

Batch 65/248, train_loss: 0.2345, step time: 1.3/87
Batch 66/248, train_loss: 0.0987, step time: 1.3673
Batch 67/248, train_loss: 0.0705, step time: 1.3539
Batch 68/248, train_loss: 0.0825, step time: 1.3659
Batch 69/248, train_loss: 0.3056, step time: 1.3850
Batch 70/248, train_loss: 0.1299, step time: 1.3668
Batch 71/248, train_loss: 0.1287, step time: 1.3744
Batch 72/248, train_loss: 0.0547, step time: 1.3755
Batch 73/248, train_loss: 0.1417, step time: 1.3592
Batch 74/248, train_loss: 0.2390, step time: 1.3634
Batch 75/248, train_loss: 0.0926, step time: 1.3510
Batch 76/248, train_loss: 0.3999, step time: 1.3625
Batch 77/248, train_loss: 0.6498, step time: 1.3562
Batch 78/248, train_loss: 0.0834, step time: 1.3616
Batch 79/248, train_loss: 0.1062, step time: 1.3559
Batch 80/248, train_loss: 0.1626, step time: 1.3798
Batch 81/248, train_loss: 0.1247, step time: 1.3507
Batch 82/248, train_loss: 0.0772, step time: 1.3784
Batch 83/248, train_loss: 0.4966, step time: 1.3622
Batch 84/248, train_loss: 0.1313, step time: 1.3594
Batch 85/248, train_loss: 0.3338, step time: 1.3681
Batch 86/248, train_loss: 0.2260, step time: 1.3545
Batch 87/248, train_loss: 0.4999, step time: 1.3687
Batch 88/248, train_loss: 0.2948, step time: 1.3472
Batch 89/248, train_loss: 0.0619, step time: 1.3600
Batch 90/248, train_loss: 0.1556, step time: 1.3515
Batch 91/248, train_loss: 0.3625, step time: 1.3781
Batch 92/248, train_loss: 0.5716, step time: 1.3822
Batch 93/248, train_loss: 0.1336, step time: 1.3778
Batch 94/248, train_loss: 0.2780, step time: 1.3464
Batch 95/248, train_loss: 0.1350, step time: 1.3518
Batch 96/248, train_loss: 0.0931, step time: 1.3569
Batch 97/248, train_loss: 0.4051, step time: 1.3850
Batch 98/248, train_loss: 0.0906, step time: 1.3720
Batch 99/248, train_loss: 0.2650, step time: 1.3771
Batch 100/248, train_loss: 0.2536, step time: 1.3921
Batch 101/248, train_loss: 0.0394, step time: 1.3472
Batch 102/248, train_loss: 0.0707, step time: 1.3816
Batch 103/248, train_loss: 0.3607, step time: 1.3814
Batch 104/248, train_loss: 0.2241, step time: 1.3522
Batch 105/248, train_loss: 0.0670, step time: 1.3710
Batch 106/248, train_loss: 0.1089, step time: 1.3638
Batch 107/248, train_loss: 0.3583, step time: 1.3651
Batch 108/248, train_loss: 0.5280, step time: 1.3618
Batch 109/248, train_loss: 0.3785, step time: 1.3612
Batch 110/248, train_loss: 0.2479, step time: 1.3645
Batch 111/248, train_loss: 0.0697, step time: 1.3642
Batch 112/248, train_loss: 0.0826, step time: 1.3430
Batch 113/248, train_loss: 0.3940, step time: 1.3706
Batch 114/248, train_loss: 0.0978, step time: 1.3593
Batch 115/248, train_loss: 0.1469, step time: 1.3752
Batch 116/248, train_loss: 0.0601, step time: 1.3630
Batch 117/248, train_loss: 0.4841, step time: 1.3657
Batch 118/248, train_loss: 0.2329, step time: 1.3905
Batch 119/248, train_loss: 0.2853, step time: 1.3561
Batch 120/248, train_loss: 0.2256, step time: 1.3815
Batch 121/248, train_loss: 0.2493, step time: 1.3636
Batch 122/248, train_loss: 0.3772, step time: 1.3712
Batch 123/248, train_loss: 0.0517, step time: 1.3725
Batch 124/248, train_loss: 0.2856, step time: 1.3561
Batch 125/248, train_loss: 0.4364, step time: 1.3661
Batch 126/248, train_loss: 0.3615, step time: 1.3828
Batch 127/248, train_loss: 0.0989, step time: 1.3881
Batch 128/248, train_loss: 0.1412, step time: 1.3699
Batch 129/248, train_loss: 0.0722, step time: 1.3678
Batch 130/248, train_loss: 0.0736, step time: 1.3507
Batch 131/248, train_loss: 0.3567, step time: 1.3730
Batch 132/248, train_loss: 0.1361, step time: 1.3449
Batch 133/248, train_loss: 0.0885, step time: 1.3725
Batch 134/248, train_loss: 0.6596, step time: 1.3836
Batch 135/248, train_loss: 0.2583, step time: 1.3757
Batch 136/248, train_loss: 0.1038, step time: 1.3706
Batch 137/248, train_loss: 0.1230, step time: 1.3460
Batch 138/248, train_loss: 0.0787, step time: 1.3491
Batch 139/248, train_loss: 0.1244, step time: 1.3803
Batch 140/248, train_loss: 0.1623, step time: 1.3927
Batch 141/248, train_loss: 0.1050, step time: 1.3851
Batch 142/248, train_loss: 0.4328, step time: 1.3563
Batch 143/248, train_loss: 0.1731, step time: 1.3534
Batch 144/248, train_loss: 0.1074, step time: 1.3486
Batch 145/248, train_loss: 0.0444, step time: 1.3574
Batch 146/248, train_loss: 0.2825, step time: 1.3873
Batch 147/248, train_loss: 0.0420, step time: 1.3817
Batch 148/248, train_loss: 0.4665, step time: 1.3663
Batch 149/248, train_loss: 0.1118, step time: 1.3574

Batch 150/248, train_loss: 0.2597, step time: 1.3624
Batch 151/248, train_loss: 0.2071, step time: 1.3632
Batch 152/248, train_loss: 0.0334, step time: 1.3699
Batch 153/248, train_loss: 0.1584, step time: 1.3715
Batch 154/248, train_loss: 0.5275, step time: 1.3545
Batch 155/248, train_loss: 0.1473, step time: 1.3527
Batch 156/248, train_loss: 0.1033, step time: 1.3710
Batch 157/248, train_loss: 0.2254, step time: 1.3697
Batch 158/248, train_loss: 0.8402, step time: 1.3607
Batch 159/248, train_loss: 0.3117, step time: 1.3507
Batch 160/248, train_loss: 0.0752, step time: 1.3587
Batch 161/248, train_loss: 0.0601, step time: 1.3446
Batch 162/248, train_loss: 0.0561, step time: 1.3393
Batch 163/248, train_loss: 0.1073, step time: 1.3770
Batch 164/248, train_loss: 0.1779, step time: 1.3528
Batch 165/248, train_loss: 0.4173, step time: 1.3539
Batch 166/248, train_loss: 0.0700, step time: 1.3549
Batch 167/248, train_loss: 0.1386, step time: 1.3442
Batch 168/248, train_loss: 0.1216, step time: 1.3599
Batch 169/248, train_loss: 0.0782, step time: 1.3439
Batch 170/248, train_loss: 0.5177, step time: 1.3911
Batch 171/248, train_loss: 0.0863, step time: 1.3645
Batch 172/248, train_loss: 0.2847, step time: 1.3808
Batch 173/248, train_loss: 0.0635, step time: 1.3543
Batch 174/248, train_loss: 0.7064, step time: 1.3756
Batch 175/248, train_loss: 0.0678, step time: 1.3407
Batch 176/248, train_loss: 0.3177, step time: 1.3613
Batch 177/248, train_loss: 0.1930, step time: 1.3840
Batch 178/248, train_loss: 0.1671, step time: 1.3891
Batch 179/248, train_loss: 0.0538, step time: 1.3409
Batch 180/248, train_loss: 0.2567, step time: 1.3515
Batch 181/248, train_loss: 0.0753, step time: 1.3639
Batch 182/248, train_loss: 0.6830, step time: 1.3641
Batch 183/248, train_loss: 0.0738, step time: 1.3686
Batch 184/248, train_loss: 0.1917, step time: 1.4026
Batch 185/248, train_loss: 0.0723, step time: 1.4028
Batch 186/248, train_loss: 0.0661, step time: 1.3926
Batch 187/248, train_loss: 0.1565, step time: 1.3772
Batch 188/248, train_loss: 0.1753, step time: 1.3717
Batch 189/248, train_loss: 0.4371, step time: 1.3981
Batch 190/248, train_loss: 0.1157, step time: 1.3557
Batch 191/248, train_loss: 0.5948, step time: 1.3645
Batch 192/248, train_loss: 0.2849, step time: 1.3864
Batch 193/248, train_loss: 0.2123, step time: 1.3804
Batch 194/248, train_loss: 0.0754, step time: 1.3727
Batch 195/248, train_loss: 0.5654, step time: 1.3668
Batch 196/248, train_loss: 0.4941, step time: 1.3736
Batch 197/248, train_loss: 0.1960, step time: 1.3794
Batch 198/248, train_loss: 0.4230, step time: 1.4035
Batch 199/248, train_loss: 0.1496, step time: 1.3661
Batch 200/248, train_loss: 0.1098, step time: 1.3662
Batch 201/248, train_loss: 0.1860, step time: 1.3966
Batch 202/248, train_loss: 0.4628, step time: 1.3847
Batch 203/248, train_loss: 0.2828, step time: 1.3752
Batch 204/248, train_loss: 0.0998, step time: 1.3728
Batch 205/248, train_loss: 0.2339, step time: 1.3643
Batch 206/248, train_loss: 0.5915, step time: 1.3735
Batch 207/248, train_loss: 0.0610, step time: 1.3777
Batch 208/248, train_loss: 0.1188, step time: 1.3569
Batch 209/248, train_loss: 0.1535, step time: 1.3681
Batch 210/248, train_loss: 0.0674, step time: 1.3596
Batch 211/248, train_loss: 0.0717, step time: 1.3551
Batch 212/248, train_loss: 0.2335, step time: 1.3891
Batch 213/248, train_loss: 0.1839, step time: 1.3899
Batch 214/248, train_loss: 0.0702, step time: 1.3629
Batch 215/248, train_loss: 0.2363, step time: 1.3804
Batch 216/248, train_loss: 0.1549, step time: 1.3815
Batch 217/248, train_loss: 0.2662, step time: 1.3996
Batch 218/248, train_loss: 0.7027, step time: 1.3785
Batch 219/248, train_loss: 0.0652, step time: 1.3973
Batch 220/248, train_loss: 0.2142, step time: 1.3674
Batch 221/248, train_loss: 0.3186, step time: 1.3745
Batch 222/248, train_loss: 0.2050, step time: 1.3786
Batch 223/248, train_loss: 0.0418, step time: 1.3575
Batch 224/248, train_loss: 0.0807, step time: 1.3748
Batch 225/248, train_loss: 0.2912, step time: 1.3770
Batch 226/248, train_loss: 0.1447, step time: 1.3690
Batch 227/248, train_loss: 0.0854, step time: 1.3513
Batch 228/248, train_loss: 0.1392, step time: 1.3778
Batch 229/248, train_loss: 0.0791, step time: 1.3830
Batch 230/248, train_loss: 0.0703, step time: 1.3732
Batch 231/248, train_loss: 0.4187, step time: 1.3983
Batch 232/248, train_loss: 0.0779, step time: 1.3899
Batch 233/248, train_loss: 0.9416, step time: 1.3974
Batch 234/248. train loss: 0.3686. step time: 1.3808

```
Batch 235/248, train_loss: 0.2078, step time: 1.3857
Batch 236/248, train_loss: 0.7203, step time: 1.3769
Batch 237/248, train_loss: 0.1177, step time: 1.3769
Batch 238/248, train_loss: 0.0735, step time: 1.3821
Batch 239/248, train_loss: 0.0947, step time: 1.3659
Batch 240/248, train_loss: 0.2397, step time: 1.3577
Batch 241/248, train_loss: 0.4355, step time: 1.3710
Batch 242/248, train_loss: 0.1177, step time: 1.3665
Batch 243/248, train_loss: 0.3738, step time: 1.3698
Batch 244/248, train_loss: 0.3193, step time: 1.3685
Batch 245/248, train_loss: 0.0660, step time: 1.3578
Batch 246/248, train_loss: 0.5256, step time: 1.3723
Batch 247/248, train_loss: 0.0651, step time: 1.3804
Batch 248/248, train_loss: 0.9995, step time: 1.3652
```

Labels



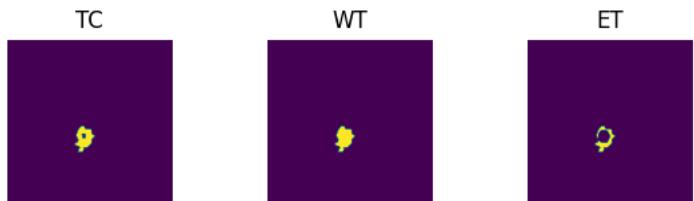
Predictions



VAL

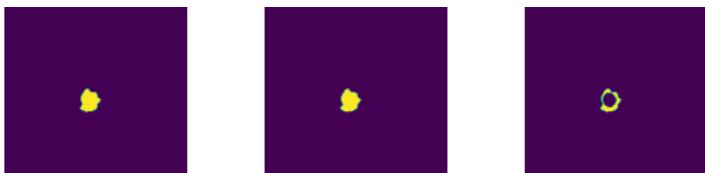
```
Batch 1/31, val_loss: 0.8327
Batch 2/31, val_loss: 0.9877
Batch 3/31, val_loss: 0.9561
Batch 4/31, val_loss: 0.9374
Batch 5/31, val_loss: 0.9895
Batch 6/31, val_loss: 0.6940
Batch 7/31, val_loss: 0.8182
Batch 8/31, val_loss: 0.9431
Batch 9/31, val_loss: 0.6928
Batch 10/31, val_loss: 0.9046
Batch 11/31, val_loss: 0.8174
Batch 12/31, val_loss: 0.9683
Batch 13/31, val_loss: 0.9917
Batch 14/31, val_loss: 0.9328
Batch 15/31, val_loss: 0.9839
Batch 16/31, val_loss: 0.9690
Batch 17/31, val_loss: 0.9616
Batch 18/31, val_loss: 0.9294
Batch 19/31, val_loss: 0.7363
Batch 20/31, val_loss: 0.8518
Batch 21/31, val_loss: 0.8628
Batch 22/31, val_loss: 0.9586
Batch 23/31, val_loss: 0.9667
Batch 24/31, val_loss: 0.7329
Batch 25/31, val_loss: 0.8015
Batch 26/31, val_loss: 0.9214
Batch 27/31, val_loss: 0.9805
Batch 28/31, val_loss: 0.7377
Batch 29/31, val_loss: 0.9807
Batch 30/31, val_loss: 0.9635
Batch 31/31, val_loss: 0.9709
```

Labels



Predictions





```
epoch 98
average train loss: 0.2240
average validation loss: 0.8960
saved as best model: False
current mean dice: 0.6422
current TC dice: 0.6742
current WT dice: 0.6773
current ET dice: 0.6122
Best Mean Metric: 0.6490
time consuming of epoch 98 is: 1666.8350
-----
```

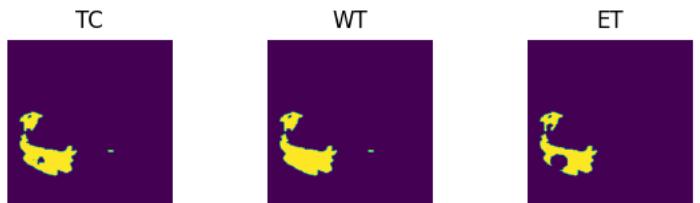
```
epoch 99/100
TRAIN
Batch 1/248, train_loss: 0.0819, step time: 1.4251
Batch 2/248, train_loss: 0.6096, step time: 1.3817
Batch 3/248, train_loss: 0.2814, step time: 1.3944
Batch 4/248, train_loss: 0.9355, step time: 1.3894
Batch 5/248, train_loss: 0.2158, step time: 1.4002
Batch 6/248, train_loss: 0.1546, step time: 1.3869
Batch 7/248, train_loss: 0.0535, step time: 1.3752
Batch 8/248, train_loss: 0.5677, step time: 1.3841
Batch 9/248, train_loss: 0.0325, step time: 1.3800
Batch 10/248, train_loss: 0.1992, step time: 1.3801
Batch 11/248, train_loss: 0.1517, step time: 1.3696
Batch 12/248, train_loss: 0.2631, step time: 1.3655
Batch 13/248, train_loss: 0.2446, step time: 1.3699
Batch 14/248, train_loss: 0.0438, step time: 1.3723
Batch 15/248, train_loss: 0.2812, step time: 1.3545
Batch 16/248, train_loss: 0.1550, step time: 1.3656
Batch 17/248, train_loss: 0.2179, step time: 1.3634
Batch 18/248, train_loss: 0.2604, step time: 1.3848
Batch 19/248, train_loss: 0.0986, step time: 1.3686
Batch 20/248, train_loss: 0.0732, step time: 1.3635
Batch 21/248, train_loss: 0.0407, step time: 1.3950
Batch 22/248, train_loss: 0.2916, step time: 1.3816
Batch 23/248, train_loss: 0.2464, step time: 1.3792
Batch 24/248, train_loss: 0.0796, step time: 1.3794
Batch 25/248, train_loss: 0.0491, step time: 1.3891
Batch 26/248, train_loss: 0.3677, step time: 1.3706
Batch 27/248, train_loss: 0.0653, step time: 1.3695
Batch 28/248, train_loss: 0.1307, step time: 1.3810
Batch 29/248, train_loss: 0.3940, step time: 1.3880
Batch 30/248, train_loss: 0.3829, step time: 1.3698
Batch 31/248, train_loss: 0.3337, step time: 1.3778
Batch 32/248, train_loss: 0.0591, step time: 1.3619
Batch 33/248, train_loss: 0.0627, step time: 1.3728
Batch 34/248, train_loss: 0.0368, step time: 1.3659
Batch 35/248, train_loss: 0.0448, step time: 1.3533
Batch 36/248, train_loss: 0.4047, step time: 1.3814
Batch 37/248, train_loss: 0.1175, step time: 1.3869
Batch 38/248, train_loss: 0.2688, step time: 1.3873
Batch 39/248, train_loss: 0.1386, step time: 1.3796
Batch 40/248, train_loss: 0.5406, step time: 1.3876
Batch 41/248, train_loss: 0.1870, step time: 1.3934
Batch 42/248, train_loss: 0.0749, step time: 1.3940
Batch 43/248, train_loss: 0.0585, step time: 1.3843
Batch 44/248, train_loss: 0.0980, step time: 1.3832
Batch 45/248, train_loss: 0.4365, step time: 1.3605
Batch 46/248, train_loss: 0.1425, step time: 1.3864
Batch 47/248, train_loss: 0.0622, step time: 1.3889
Batch 48/248, train_loss: 0.1495, step time: 1.3865
Batch 49/248, train_loss: 0.4077, step time: 1.3721
Batch 50/248, train_loss: 0.1284, step time: 1.3960
Batch 51/248, train_loss: 0.1256, step time: 1.3596
Batch 52/248, train_loss: 0.0869, step time: 1.3690
Batch 53/248, train_loss: 0.3118, step time: 1.3925
Batch 54/248, train_loss: 0.2176, step time: 1.3841
Batch 55/248, train_loss: 0.2124, step time: 1.3621
Batch 56/248, train_loss: 0.1612, step time: 1.3719
Batch 57/248, train_loss: 0.1957, step time: 1.3691
Batch 58/248, train_loss: 0.0596, step time: 1.3948
Batch 59/248, train_loss: 0.0972, step time: 1.3601
Batch 60/248, train_loss: 0.0532, step time: 1.3517
Batch 61/248, train_loss: 0.0646, step time: 1.3798
Batch 62/248, train_loss: 0.1912, step time: 1.3895
Batch 63/248, train_loss: 0.3386, step time: 1.3738
Batch 64/248, train_loss: 0.3465, step time: 1.4110
```

Batch 65/248, train_loss: 0.3564, step time: 1.3765
Batch 66/248, train_loss: 0.0841, step time: 1.3838
Batch 67/248, train_loss: 0.0603, step time: 1.3862
Batch 68/248, train_loss: 0.1066, step time: 1.3645
Batch 69/248, train_loss: 0.4442, step time: 1.3935
Batch 70/248, train_loss: 0.1054, step time: 1.3875
Batch 71/248, train_loss: 0.1335, step time: 1.3858
Batch 72/248, train_loss: 0.0483, step time: 1.3821
Batch 73/248, train_loss: 0.1448, step time: 1.4018
Batch 74/248, train_loss: 0.2373, step time: 1.3798
Batch 75/248, train_loss: 0.0946, step time: 1.3887
Batch 76/248, train_loss: 0.3935, step time: 1.3995
Batch 77/248, train_loss: 0.6776, step time: 1.3737
Batch 78/248, train_loss: 0.1102, step time: 1.3685
Batch 79/248, train_loss: 0.1078, step time: 1.3580
Batch 80/248, train_loss: 0.1693, step time: 1.3778
Batch 81/248, train_loss: 0.1416, step time: 1.3757
Batch 82/248, train_loss: 0.0761, step time: 1.3571
Batch 83/248, train_loss: 0.4857, step time: 1.3663
Batch 84/248, train_loss: 0.1464, step time: 1.3865
Batch 85/248, train_loss: 0.3299, step time: 1.3661
Batch 86/248, train_loss: 0.2337, step time: 1.3715
Batch 87/248, train_loss: 0.6203, step time: 1.3685
Batch 88/248, train_loss: 0.2746, step time: 1.3817
Batch 89/248, train_loss: 0.0667, step time: 1.3763
Batch 90/248, train_loss: 0.1729, step time: 1.3554
Batch 91/248, train_loss: 0.3316, step time: 1.3904
Batch 92/248, train_loss: 0.5547, step time: 1.3856
Batch 93/248, train_loss: 0.1514, step time: 1.3498
Batch 94/248, train_loss: 0.2316, step time: 1.3879
Batch 95/248, train_loss: 0.1416, step time: 1.3536
Batch 96/248, train_loss: 0.0996, step time: 1.3607
Batch 97/248, train_loss: 0.4004, step time: 1.3919
Batch 98/248, train_loss: 0.0862, step time: 1.3842
Batch 99/248, train_loss: 0.3447, step time: 1.3797
Batch 100/248, train_loss: 0.2465, step time: 1.3976
Batch 101/248, train_loss: 0.0416, step time: 1.3664
Batch 102/248, train_loss: 0.1254, step time: 1.3830
Batch 103/248, train_loss: 0.3360, step time: 1.3576
Batch 104/248, train_loss: 0.2351, step time: 1.3635
Batch 105/248, train_loss: 0.0744, step time: 1.3434
Batch 106/248, train_loss: 0.0969, step time: 1.3672
Batch 107/248, train_loss: 0.2022, step time: 1.3563
Batch 108/248, train_loss: 0.5095, step time: 1.3578
Batch 109/248, train_loss: 0.6500, step time: 1.3758
Batch 110/248, train_loss: 0.2338, step time: 1.3587
Batch 111/248, train_loss: 0.0773, step time: 1.3736
Batch 112/248, train_loss: 0.0723, step time: 1.3804
Batch 113/248, train_loss: 0.4048, step time: 1.3836
Batch 114/248, train_loss: 0.1105, step time: 1.3737
Batch 115/248, train_loss: 0.1271, step time: 1.3707
Batch 116/248, train_loss: 0.0566, step time: 1.3631
Batch 117/248, train_loss: 0.4246, step time: 1.3784
Batch 118/248, train_loss: 0.1341, step time: 1.3731
Batch 119/248, train_loss: 0.2569, step time: 1.3639
Batch 120/248, train_loss: 0.2046, step time: 1.3635
Batch 121/248, train_loss: 0.2370, step time: 1.3786
Batch 122/248, train_loss: 0.4211, step time: 1.3549
Batch 123/248, train_loss: 0.0433, step time: 1.3459
Batch 124/248, train_loss: 0.2281, step time: 1.3660
Batch 125/248, train_loss: 0.4275, step time: 1.3494
Batch 126/248, train_loss: 0.1689, step time: 1.3781
Batch 127/248, train_loss: 0.0903, step time: 1.3619
Batch 128/248, train_loss: 0.1276, step time: 1.3847
Batch 129/248, train_loss: 0.0750, step time: 1.3502
Batch 130/248, train_loss: 0.0714, step time: 1.3746
Batch 131/248, train_loss: 0.3456, step time: 1.3600
Batch 132/248, train_loss: 0.1369, step time: 1.3850
Batch 133/248, train_loss: 0.0720, step time: 1.3654
Batch 134/248, train_loss: 0.7539, step time: 1.3704
Batch 135/248, train_loss: 0.1552, step time: 1.3637
Batch 136/248, train_loss: 0.1019, step time: 1.3745
Batch 137/248, train_loss: 0.0952, step time: 1.3531
Batch 138/248, train_loss: 0.0572, step time: 1.3433
Batch 139/248, train_loss: 0.1137, step time: 1.3694
Batch 140/248, train_loss: 0.1883, step time: 1.3961
Batch 141/248, train_loss: 0.0975, step time: 1.3741
Batch 142/248, train_loss: 0.4240, step time: 1.3603
Batch 143/248, train_loss: 0.1910, step time: 1.3620
Batch 144/248, train_loss: 0.1281, step time: 1.3864
Batch 145/248, train_loss: 0.0473, step time: 1.3495
Batch 146/248, train_loss: 0.2538, step time: 1.3801
Batch 147/248, train_loss: 0.0375, step time: 1.3730
Batch 148/248, train_loss: 0.4704, step time: 1.3578
Batch 149/248, train_loss: 0.1460, step time: 1.3807

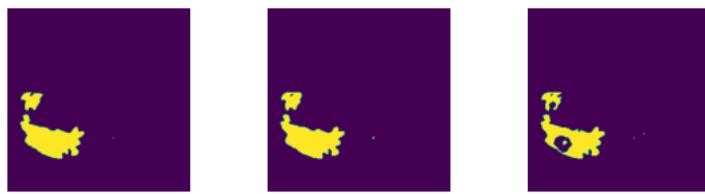
Batch 129/248, train_loss: 0.1100, step time: 1.3500
Batch 150/248, train_loss: 0.2591, step time: 1.3601
Batch 151/248, train_loss: 0.1793, step time: 1.3591
Batch 152/248, train_loss: 0.0412, step time: 1.3508
Batch 153/248, train_loss: 0.1858, step time: 1.3606
Batch 154/248, train_loss: 0.4740, step time: 1.3881
Batch 155/248, train_loss: 0.0812, step time: 1.3673
Batch 156/248, train_loss: 0.1164, step time: 1.3546
Batch 157/248, train_loss: 0.2783, step time: 1.3512
Batch 158/248, train_loss: 0.8222, step time: 1.3645
Batch 159/248, train_loss: 0.3588, step time: 1.3799
Batch 160/248, train_loss: 0.0833, step time: 1.3598
Batch 161/248, train_loss: 0.0614, step time: 1.3629
Batch 162/248, train_loss: 0.0551, step time: 1.3414
Batch 163/248, train_loss: 0.1063, step time: 1.3751
Batch 164/248, train_loss: 0.2145, step time: 1.3679
Batch 165/248, train_loss: 0.3801, step time: 1.3782
Batch 166/248, train_loss: 0.0742, step time: 1.3546
Batch 167/248, train_loss: 0.1512, step time: 1.3476
Batch 168/248, train_loss: 0.1037, step time: 1.3579
Batch 169/248, train_loss: 0.0786, step time: 1.3590
Batch 170/248, train_loss: 0.4097, step time: 1.3501
Batch 171/248, train_loss: 0.0732, step time: 1.3753
Batch 172/248, train_loss: 0.3421, step time: 1.3503
Batch 173/248, train_loss: 0.0626, step time: 1.3433
Batch 174/248, train_loss: 0.4266, step time: 1.3690
Batch 175/248, train_loss: 0.0739, step time: 1.3810
Batch 176/248, train_loss: 0.3004, step time: 1.3684
Batch 177/248, train_loss: 0.1914, step time: 1.3656
Batch 178/248, train_loss: 0.1927, step time: 1.3849
Batch 179/248, train_loss: 0.0589, step time: 1.3354
Batch 180/248, train_loss: 0.2823, step time: 1.3595
Batch 181/248, train_loss: 0.0774, step time: 1.3497
Batch 182/248, train_loss: 0.6695, step time: 1.3879
Batch 183/248, train_loss: 0.0737, step time: 1.3676
Batch 184/248, train_loss: 0.2016, step time: 1.3661
Batch 185/248, train_loss: 0.0695, step time: 1.3451
Batch 186/248, train_loss: 0.0738, step time: 1.3760
Batch 187/248, train_loss: 0.1521, step time: 1.3480
Batch 188/248, train_loss: 0.2001, step time: 1.3672
Batch 189/248, train_loss: 0.4045, step time: 1.3565
Batch 190/248, train_loss: 0.1081, step time: 1.3774
Batch 191/248, train_loss: 0.6055, step time: 1.3868
Batch 192/248, train_loss: 0.2608, step time: 1.3837
Batch 193/248, train_loss: 0.2144, step time: 1.3717
Batch 194/248, train_loss: 0.0998, step time: 1.3491
Batch 195/248, train_loss: 0.5652, step time: 1.3742
Batch 196/248, train_loss: 0.5461, step time: 1.3566
Batch 197/248, train_loss: 0.1799, step time: 1.3507
Batch 198/248, train_loss: 0.4218, step time: 1.3742
Batch 199/248, train_loss: 0.1137, step time: 1.3758
Batch 200/248, train_loss: 0.1026, step time: 1.3676
Batch 201/248, train_loss: 0.0991, step time: 1.3659
Batch 202/248, train_loss: 0.4261, step time: 1.3875
Batch 203/248, train_loss: 0.3197, step time: 1.3672
Batch 204/248, train_loss: 0.1176, step time: 1.3814
Batch 205/248, train_loss: 0.2373, step time: 1.3589
Batch 206/248, train_loss: 0.3442, step time: 1.3893
Batch 207/248, train_loss: 0.0546, step time: 1.3469
Batch 208/248, train_loss: 0.2122, step time: 1.3771
Batch 209/248, train_loss: 0.1365, step time: 1.3651
Batch 210/248, train_loss: 0.0772, step time: 1.3659
Batch 211/248, train_loss: 0.0719, step time: 1.3793
Batch 212/248, train_loss: 0.2117, step time: 1.3668
Batch 213/248, train_loss: 0.1951, step time: 1.3626
Batch 214/248, train_loss: 0.0689, step time: 1.3477
Batch 215/248, train_loss: 0.2741, step time: 1.3519
Batch 216/248, train_loss: 0.1955, step time: 1.3822
Batch 217/248, train_loss: 0.2570, step time: 1.3517
Batch 218/248, train_loss: 0.6873, step time: 1.3897
Batch 219/248, train_loss: 0.0486, step time: 1.3433
Batch 220/248, train_loss: 0.1814, step time: 1.3713
Batch 221/248, train_loss: 0.2416, step time: 1.3713
Batch 222/248, train_loss: 0.1948, step time: 1.3705
Batch 223/248, train_loss: 0.0381, step time: 1.3625
Batch 224/248, train_loss: 0.0782, step time: 1.3703
Batch 225/248, train_loss: 0.1436, step time: 1.3724
Batch 226/248, train_loss: 0.1083, step time: 1.3510
Batch 227/248, train_loss: 0.0774, step time: 1.3767
Batch 228/248, train_loss: 0.1357, step time: 1.3595
Batch 229/248, train_loss: 0.0823, step time: 1.3622
Batch 230/248, train_loss: 0.0663, step time: 1.3698
Batch 231/248, train_loss: 0.3114, step time: 1.3696
Batch 232/248, train_loss: 0.0838, step time: 1.3847
Batch 233/248, train_loss: 0.8005, step time: 1.3891

```
Batch 234/248, train_loss: 0.3884, step time: 1.3543
Batch 235/248, train_loss: 0.1670, step time: 1.3914
Batch 236/248, train_loss: 0.6702, step time: 1.3656
Batch 237/248, train_loss: 0.1198, step time: 1.3557
Batch 238/248, train_loss: 0.0740, step time: 1.3777
Batch 239/248, train_loss: 0.0550, step time: 1.3434
Batch 240/248, train_loss: 0.2869, step time: 1.3881
Batch 241/248, train_loss: 0.4857, step time: 1.3671
Batch 242/248, train_loss: 0.1333, step time: 1.3864
Batch 243/248, train_loss: 0.3689, step time: 1.3815
Batch 244/248, train_loss: 0.2927, step time: 1.3553
Batch 245/248, train_loss: 0.0713, step time: 1.3623
Batch 246/248, train_loss: 0.4522, step time: 1.3668
Batch 247/248, train_loss: 0.0596, step time: 1.3748
Batch 248/248, train_loss: 0.9999, step time: 1.3618
```

Labels



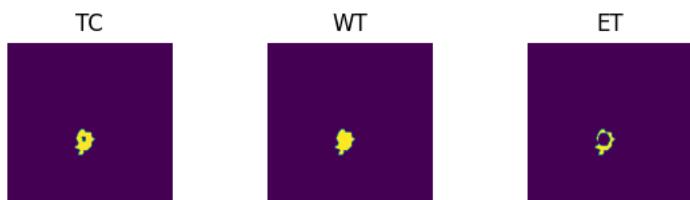
Predictions



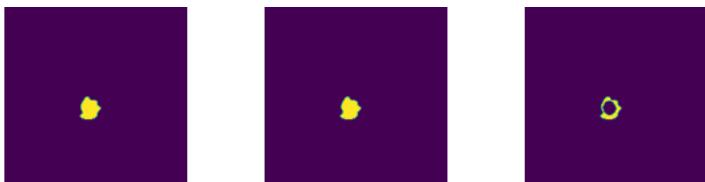
VAL

```
Batch 1/31, val_loss: 0.8317
Batch 2/31, val_loss: 0.9873
Batch 3/31, val_loss: 0.9555
Batch 4/31, val_loss: 0.9321
Batch 5/31, val_loss: 0.9903
Batch 6/31, val_loss: 0.6953
Batch 7/31, val_loss: 0.8141
Batch 8/31, val_loss: 0.9269
Batch 9/31, val_loss: 0.6866
Batch 10/31, val_loss: 0.9059
Batch 11/31, val_loss: 0.8148
Batch 12/31, val_loss: 0.9634
Batch 13/31, val_loss: 0.9912
Batch 14/31, val_loss: 0.9266
Batch 15/31, val_loss: 0.9839
Batch 16/31, val_loss: 0.9694
Batch 17/31, val_loss: 0.9587
Batch 18/31, val_loss: 0.9268
Batch 19/31, val_loss: 0.7328
Batch 20/31, val_loss: 0.8540
Batch 21/31, val_loss: 0.8563
Batch 22/31, val_loss: 0.9586
Batch 23/31, val_loss: 0.9654
Batch 24/31, val_loss: 0.7314
Batch 25/31, val_loss: 0.7957
Batch 26/31, val_loss: 0.9213
Batch 27/31, val_loss: 0.9744
Batch 28/31, val_loss: 0.7397
Batch 29/31, val_loss: 0.9814
Batch 30/31, val_loss: 0.9619
Batch 31/31, val_loss: 0.9711
```

Labels



Predictions



```
epoch 99
    average train loss: 0.2199
    average validation loss: 0.8937
    saved as best model: False
    current mean dice: 0.6430
    current TC dice: 0.6744
    current WT dice: 0.6812
    current ET dice: 0.6126
Best Mean Metric: 0.6490
time consuming of epoch 99 is: 1673.2883
```

```
-----
```

```
epoch 100/100
```

```
TRAIN
```

```
Batch 1/248, train_loss: 0.1007, step time: 1.4283
Batch 2/248, train_loss: 0.6179, step time: 1.4005
Batch 3/248, train_loss: 0.3115, step time: 1.3534
Batch 4/248, train_loss: 0.7562, step time: 1.3626
Batch 5/248, train_loss: 0.1741, step time: 1.3758
Batch 6/248, train_loss: 0.2129, step time: 1.3489
Batch 7/248, train_loss: 0.0527, step time: 1.3413
Batch 8/248, train_loss: 0.5633, step time: 1.3548
Batch 9/248, train_loss: 0.0313, step time: 1.3430
Batch 10/248, train_loss: 0.2447, step time: 1.3758
Batch 11/248, train_loss: 0.1108, step time: 1.3685
Batch 12/248, train_loss: 0.2842, step time: 1.3690
Batch 13/248, train_loss: 0.1995, step time: 1.3722
Batch 14/248, train_loss: 0.0646, step time: 1.3780
Batch 15/248, train_loss: 0.2655, step time: 1.3645
Batch 16/248, train_loss: 0.1559, step time: 1.3540
Batch 17/248, train_loss: 0.1942, step time: 1.3759
Batch 18/248, train_loss: 0.2611, step time: 1.3870
Batch 19/248, train_loss: 0.1387, step time: 1.3880
Batch 20/248, train_loss: 0.0787, step time: 1.3718
Batch 21/248, train_loss: 0.0379, step time: 1.3474
Batch 22/248, train_loss: 0.2642, step time: 1.3887
Batch 23/248, train_loss: 0.3232, step time: 1.3533
Batch 24/248, train_loss: 0.0715, step time: 1.3525
Batch 25/248, train_loss: 0.0440, step time: 1.3743
Batch 26/248, train_loss: 0.3677, step time: 1.3518
Batch 27/248, train_loss: 0.0676, step time: 1.3639
Batch 28/248, train_loss: 0.1367, step time: 1.3637
Batch 29/248, train_loss: 0.2966, step time: 1.3900
Batch 30/248, train_loss: 0.1813, step time: 1.3883
Batch 31/248, train_loss: 0.2574, step time: 1.3770
Batch 32/248, train_loss: 0.0613, step time: 1.3636
Batch 33/248, train_loss: 0.0562, step time: 1.3540
Batch 34/248, train_loss: 0.0388, step time: 1.3670
Batch 35/248, train_loss: 0.0618, step time: 1.3876
Batch 36/248, train_loss: 0.3979, step time: 1.3791
Batch 37/248, train_loss: 0.1203, step time: 1.3605
Batch 38/248, train_loss: 0.2614, step time: 1.3854
Batch 39/248, train_loss: 0.1558, step time: 1.3905
Batch 40/248, train_loss: 0.7037, step time: 1.3755
Batch 41/248, train_loss: 0.1513, step time: 1.3747
Batch 42/248, train_loss: 0.0702, step time: 1.3520
Batch 43/248, train_loss: 0.0402, step time: 1.3555
Batch 44/248, train_loss: 0.0881, step time: 1.3511
Batch 45/248, train_loss: 0.3532, step time: 1.3900
Batch 46/248, train_loss: 0.1310, step time: 1.3558
Batch 47/248, train_loss: 0.0682, step time: 1.3791
Batch 48/248, train_loss: 0.2038, step time: 1.3707
Batch 49/248, train_loss: 0.3550, step time: 1.3612
Batch 50/248, train_loss: 0.1113, step time: 1.3694
Batch 51/248, train_loss: 0.1186, step time: 1.3829
Batch 52/248, train_loss: 0.0956, step time: 1.3468
Batch 53/248, train_loss: 0.3271, step time: 1.3455
Batch 54/248, train_loss: 0.2011, step time: 1.3650
Batch 55/248, train_loss: 0.1952, step time: 1.3504
Batch 56/248, train_loss: 0.1606, step time: 1.3626
Batch 57/248, train_loss: 0.1857, step time: 1.3797
Batch 58/248, train_loss: 0.0592, step time: 1.3614
Batch 59/248, train_loss: 0.0681, step time: 1.3749
Batch 60/248, train_loss: 0.0458, step time: 1.3483
Batch 61/248, train_loss: 0.0656, step time: 1.3831
Batch 62/248, train_loss: 0.1956, step time: 1.3557
Batch 63/248, train_loss: 0.3781, step time: 1.3759
Batch 64/248, train_loss: 0.2008, step time: 1.3501
```

```
Batch 54/248, train_loss: 0.3050, step time: 1.3554
Batch 55/248, train_loss: 0.2008, step time: 1.3593
Batch 56/248, train_loss: 0.0934, step time: 1.3500
Batch 57/248, train_loss: 0.0626, step time: 1.3649
Batch 58/248, train_loss: 0.0815, step time: 1.3635
Batch 59/248, train_loss: 0.3364, step time: 1.3510
Batch 60/248, train_loss: 0.1291, step time: 1.3735
Batch 61/248, train_loss: 0.1215, step time: 1.3715
Batch 62/248, train_loss: 0.0442, step time: 1.3400
Batch 63/248, train_loss: 0.2953, step time: 1.3539
Batch 64/248, train_loss: 0.2626, step time: 1.3549
Batch 65/248, train_loss: 0.0933, step time: 1.3801
Batch 66/248, train_loss: 0.4142, step time: 1.3525
Batch 67/248, train_loss: 0.6315, step time: 1.3747
Batch 68/248, train_loss: 0.0847, step time: 1.3428
Batch 69/248, train_loss: 0.1168, step time: 1.3663
Batch 70/248, train_loss: 0.1699, step time: 1.3629
Batch 71/248, train_loss: 0.1044, step time: 1.3549
Batch 72/248, train_loss: 0.0727, step time: 1.3641
Batch 73/248, train_loss: 0.4892, step time: 1.3497
Batch 74/248, train_loss: 0.1552, step time: 1.3851
Batch 75/248, train_loss: 0.2867, step time: 1.3681
Batch 76/248, train_loss: 0.2141, step time: 1.3723
Batch 77/248, train_loss: 0.6957, step time: 1.3586
Batch 78/248, train_loss: 0.3079, step time: 1.3624
Batch 79/248, train_loss: 0.0643, step time: 1.3570
Batch 80/248, train_loss: 0.1568, step time: 1.3362
Batch 81/248, train_loss: 0.3181, step time: 1.3750
Batch 82/248, train_loss: 0.5898, step time: 1.3605
Batch 83/248, train_loss: 0.1284, step time: 1.3649
Batch 84/248, train_loss: 0.2076, step time: 1.3543
Batch 85/248, train_loss: 0.1370, step time: 1.3357
Batch 86/248, train_loss: 0.0954, step time: 1.3727
Batch 87/248, train_loss: 0.4151, step time: 1.3608
Batch 88/248, train_loss: 0.1022, step time: 1.3399
Batch 89/248, train_loss: 0.2860, step time: 1.3531
Batch 90/248, train_loss: 0.2199, step time: 1.3672
Batch 91/248, train_loss: 0.0368, step time: 1.3503
Batch 92/248, train_loss: 0.0755, step time: 1.3655
Batch 93/248, train_loss: 0.2446, step time: 1.3781
Batch 94/248, train_loss: 0.2459, step time: 1.3448
Batch 95/248, train_loss: 0.0712, step time: 1.3458
Batch 96/248, train_loss: 0.1009, step time: 1.3450
Batch 97/248, train_loss: 0.2041, step time: 1.3782
Batch 98/248, train_loss: 0.5981, step time: 1.3411
Batch 99/248, train_loss: 0.5504, step time: 1.3560
Batch 100/248, train_loss: 0.3512, step time: 1.3792
Batch 101/248, train_loss: 0.0653, step time: 1.3683
Batch 102/248, train_loss: 0.0769, step time: 1.3643
Batch 103/248, train_loss: 0.4420, step time: 1.3786
Batch 104/248, train_loss: 0.1030, step time: 1.3516
Batch 105/248, train_loss: 0.1413, step time: 1.3640
Batch 106/248, train_loss: 0.0517, step time: 1.3537
Batch 107/248, train_loss: 0.4641, step time: 1.3746
Batch 108/248, train_loss: 0.1340, step time: 1.3619
Batch 109/248, train_loss: 0.2302, step time: 1.3666
Batch 110/248, train_loss: 0.2093, step time: 1.3628
Batch 111/248, train_loss: 0.2509, step time: 1.3780
Batch 112/248, train_loss: 0.3785, step time: 1.3523
Batch 113/248, train_loss: 0.0463, step time: 1.3649
Batch 114/248, train_loss: 0.2399, step time: 1.3684
```