

✓ UNet

 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 24.1 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 5.5 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 71.7 MB/s eta 0:00:00
Requirement already satisfied: MarkupSafe>=2.0 in /usr/local/lib/python3.10/dist-packages (from jinja2->torch>=1.9->monai[einops]) (2.1)
Requirement already satisfied: mpmpmath>=0.19 in /usr/local/lib/python3.10/dist-packages (from sympy->torch>=1.9->monai[einops]) (1.3.0)
Installing collected packages: nvidia-nvtx-cu12, nvidia-nvjitlink-cu12, nvidia-nccl-cu12, nvidia-curand-cu12, nvidia-cufft-cu12, nvidia-cusparse-cu12, nvidia-nccl-cu12, nvidia-cuda-cupti-cu12-12.1.105 nvidia-cuda-nvrtc-cu12-12.1.

✓ Colab Integration

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

Mounted at /content/drive

✓ Imports

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

```
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
```

```
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 = "UNet"
3 model = UNET
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 = 56 # 0 if new training
11 best_epoch = 52 # 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    # End of epoch
```

```

    # 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     if epoch > 0:
106         os.remove(
107             os.path.join(f"outputs/{model_name}/last_{model_name}_{epoch}.pth")
108         )
109
110     # Update Best Metric
111     if metric > best_metric:
112         # Save best state
113         best_metric = metric
114         best_metric_epoch = epoch + 1
115         best_metrics_epochs_and_time[0].append(best_metric)
116         best_metrics_epochs_and_time[1].append(best_metric_epoch)
117         best_metrics_epochs_and_time[2].append(time.time() - total_start)
118         # Save best model
119         torch.save(
120             model.state_dict(),
121             os.path.join(f"outputs/{model_name}/best_{model_name}_{epoch+1}.pth"),
122         )
123         # Remove previous best model
124         if best_metric_update_epoch != -1:
125             os.remove(
126                 os.path.join(f"outputs/{model_name}/best_{model_name}_{best_metric_update_epoch}.pth")
127             )
128         # Update best epoch
129         best_metric_update_epoch = epoch + 1
130         best_metric_update = True
131
132     # Save all metrics in csv
133     with open(f"outputs/{model_name}/{model_name}_metrics.csv", "a") as f:
134         f.write(f"{epoch + 1},{metric},{metric_tc},{metric_wt},{metric_et},{epoch_loss},{val_loss}\n")
135
136     # REPORT
137     print(f"epoch {epoch + 1}\n"
138           f"    average train loss: {epoch_loss:.4f}\n"
139           f"    average validation loss: {val_loss:.4f}\n"
140           f"    saved as best model: {best_metric_update}\n"
141           f"    current mean dice: {metric_values[-1]:.4f}\n"
142           f"    current TC dice: {metric_values_tc[-1]:.4f}\n"
143           f"    current WT dice: {metric_values_wt[-1]:.4f}\n"
144           f"    current ET dice: {metric_values_et[-1]:.4f}")
145     print(f"Best Mean Metric: {best_metric:.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 57/100

TRAIN

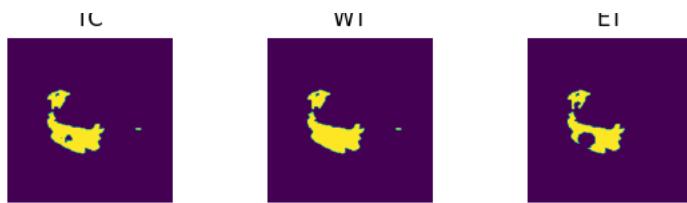
```
Batch 1/248, train_loss: 0.1308, step time: 5.0619
Batch 2/248, train_loss: 0.9998, step time: 0.3572
Batch 3/248, train_loss: 0.9542, step time: 0.3678
Batch 4/248, train_loss: 0.9998, step time: 0.3551
Batch 5/248, train_loss: 0.8230, step time: 0.3815
Batch 6/248, train_loss: 0.7237, step time: 0.3768
Batch 7/248, train_loss: 0.2453, step time: 0.3451
Batch 8/248, train_loss: 0.7390, step time: 0.3566
Batch 9/248, train_loss: 0.1136, step time: 0.3652
Batch 10/248, train_loss: 0.9009, step time: 0.3734
Batch 11/248, train_loss: 0.7636, step time: 0.3484
Batch 12/248, train_loss: 0.9993, step time: 0.3795
Batch 13/248, train_loss: 0.9973, step time: 0.3758
Batch 14/248, train_loss: 0.3165, step time: 0.3444
Batch 15/248, train_loss: 0.8944, step time: 0.3485
Batch 16/248, train_loss: 0.7224, step time: 0.3854
Batch 17/248, train_loss: 0.9991, step time: 0.3403
Batch 18/248, train_loss: 0.9954, step time: 0.3656
Batch 19/248, train_loss: 0.3267, step time: 0.3465
Batch 20/248, train_loss: 0.7109, step time: 0.3485
Batch 21/248, train_loss: 0.2789, step time: 0.3513
Batch 22/248, train_loss: 0.9999, step time: 0.3744
Batch 23/248, train_loss: 1.0000, step time: 0.3407
Batch 24/248, train_loss: 0.3606, step time: 0.3416
Batch 25/248, train_loss: 0.3138, step time: 0.3749
Batch 26/248, train_loss: 0.9966, step time: 0.3519
Batch 27/248, train_loss: 0.1296, step time: 0.3550
Batch 28/248, train_loss: 0.6863, step time: 0.3854
Batch 29/248, train_loss: 0.9905, step time: 0.3440
Batch 30/248, train_loss: 0.7514, step time: 0.3556
Batch 31/248, train_loss: 0.9064, step time: 0.3594
Batch 32/248, train_loss: 0.3548, step time: 0.3565
Batch 33/248, train_loss: 0.1344, step time: 0.3744
Batch 34/248, train_loss: 0.1259, step time: 0.3800
Batch 35/248, train_loss: 0.3318, step time: 0.3597
Batch 36/248, train_loss: 0.9989, step time: 0.3901
Batch 37/248, train_loss: 0.4539, step time: 0.3750
Batch 38/248, train_loss: 0.8659, step time: 0.3517
Batch 39/248, train_loss: 0.5893, step time: 0.3481
Batch 40/248, train_loss: 0.9999, step time: 0.3419
Batch 41/248, train_loss: 0.3167, step time: 0.3579
Batch 42/248, train_loss: 0.1865, step time: 0.3429
Batch 43/248, train_loss: 0.0994, step time: 0.3813
Batch 44/248, train_loss: 0.6267, step time: 0.3635
Batch 45/248, train_loss: 0.8581, step time: 0.3547
Batch 46/248, train_loss: 0.5410, step time: 0.3446
Batch 47/248, train_loss: 0.6710, step time: 0.3883
Batch 48/248, train_loss: 0.6328, step time: 0.3466
Batch 49/248, train_loss: 0.9732, step time: 0.3432
Batch 50/248, train_loss: 0.7340, step time: 0.3557
Batch 51/248, train_loss: 0.6957, step time: 0.3666
Batch 52/248, train_loss: 0.5310, step time: 0.3520
Batch 53/248, train_loss: 0.8886, step time: 0.3864
Batch 54/248, train_loss: 0.6863, step time: 0.3864
Batch 55/248, train_loss: 0.8937, step time: 0.3625
Batch 56/248, train_loss: 0.7492, step time: 0.3624
Batch 57/248, train_loss: 0.7597, step time: 0.3987
Batch 58/248, train_loss: 0.2531, step time: 0.3475
Batch 59/248, train_loss: 0.3518, step time: 0.3617
Batch 60/248, train_loss: 0.2039, step time: 0.3554
Batch 61/248, train_loss: 0.3572, step time: 0.3652
Batch 62/248, train_loss: 0.9217, step time: 0.3552
Batch 63/248, train_loss: 0.9853, step time: 0.3776
Batch 64/248, train_loss: 0.9784, step time: 0.3524
Batch 65/248, train_loss: 0.7649, step time: 0.3456
Batch 66/248, train_loss: 0.7218, step time: 0.3850
Batch 67/248, train_loss: 0.1548, step time: 0.3467
Batch 68/248, train_loss: 0.1950, step time: 0.3655
Batch 69/248, train_loss: 0.9946, step time: 0.3880
Batch 70/248, train_loss: 0.3054, step time: 0.3697
Batch 71/248, train_loss: 0.2733, step time: 0.3424
Batch 72/248, train_loss: 0.1609, step time: 0.3607
Batch 73/248, train_loss: 0.3096, step time: 0.3604
Batch 74/248, train_loss: 0.9995, step time: 0.3886
Batch 75/248, train_loss: 0.2872, step time: 0.3451
Batch 76/248, train_loss: 0.9946, step time: 0.3456
Batch 77/248, train_loss: 0.9994, step time: 0.3447
Batch 78/248, train_loss: 0.4887, step time: 0.3511
Batch 79/248, train_loss: 0.7259, step time: 0.3830
Batch 80/248, train_loss: 0.7977, step time: 0.3770
Batch 81/248, train_loss: 0.8960, step time: 0.3704
```

Batch 82/248, train_loss: 0.2466, step time: 0.3792
Batch 83/248, train_loss: 0.9888, step time: 0.3805
Batch 84/248, train_loss: 0.7256, step time: 0.3439
Batch 85/248, train_loss: 0.9869, step time: 0.3826
Batch 86/248, train_loss: 0.4518, step time: 0.3812
Batch 87/248, train_loss: 0.9893, step time: 0.3407
Batch 88/248, train_loss: 0.9711, step time: 0.3759
Batch 89/248, train_loss: 0.1159, step time: 0.3770
Batch 90/248, train_loss: 0.7647, step time: 0.3710
Batch 91/248, train_loss: 0.9880, step time: 0.3403
Batch 92/248, train_loss: 0.8341, step time: 0.3609
Batch 93/248, train_loss: 0.2741, step time: 0.3678
Batch 94/248, train_loss: 0.9811, step time: 0.3788
Batch 95/248, train_loss: 0.4662, step time: 0.3674
Batch 96/248, train_loss: 0.4482, step time: 0.3831
Batch 97/248, train_loss: 0.9997, step time: 0.3558
Batch 98/248, train_loss: 0.2568, step time: 0.3588
Batch 99/248, train_loss: 0.9670, step time: 0.3463
Batch 100/248, train_loss: 0.9933, step time: 0.3872
Batch 101/248, train_loss: 0.0927, step time: 0.3867
Batch 102/248, train_loss: 0.5602, step time: 0.3552
Batch 103/248, train_loss: 0.9775, step time: 0.3637
Batch 104/248, train_loss: 0.5262, step time: 0.3656
Batch 105/248, train_loss: 0.1640, step time: 0.3736
Batch 106/248, train_loss: 0.7665, step time: 0.3793
Batch 107/248, train_loss: 0.9496, step time: 0.3746
Batch 108/248, train_loss: 0.9734, step time: 0.3778
Batch 109/248, train_loss: 0.9949, step time: 0.3559
Batch 110/248, train_loss: 0.8180, step time: 0.3903
Batch 111/248, train_loss: 0.1885, step time: 0.3434
Batch 112/248, train_loss: 0.2759, step time: 0.3660
Batch 113/248, train_loss: 0.9998, step time: 0.3533
Batch 114/248, train_loss: 0.2454, step time: 0.3861
Batch 115/248, train_loss: 0.5753, step time: 0.3571
Batch 116/248, train_loss: 0.1452, step time: 0.3862
Batch 117/248, train_loss: 0.9938, step time: 0.3880
Batch 118/248, train_loss: 0.9660, step time: 0.3492
Batch 119/248, train_loss: 0.6396, step time: 0.3641
Batch 120/248, train_loss: 0.6815, step time: 0.3507
Batch 121/248, train_loss: 0.9013, step time: 0.3590
Batch 122/248, train_loss: 0.9522, step time: 0.3688
Batch 123/248, train_loss: 0.2716, step time: 0.3640
Batch 124/248, train_loss: 0.9485, step time: 0.3858
Batch 125/248, train_loss: 0.9885, step time: 0.3763
Batch 126/248, train_loss: 0.3199, step time: 0.3633
Batch 127/248, train_loss: 0.6117, step time: 0.3506
Batch 128/248, train_loss: 0.8331, step time: 0.3444
Batch 129/248, train_loss: 0.1581, step time: 0.3552
Batch 130/248, train_loss: 0.2136, step time: 0.3521
Batch 131/248, train_loss: 0.9472, step time: 0.3657
Batch 132/248, train_loss: 0.9428, step time: 0.3450
Batch 133/248, train_loss: 0.1720, step time: 0.3799
Batch 134/248, train_loss: 1.0000, step time: 0.3443
Batch 135/248, train_loss: 0.9617, step time: 0.3746
Batch 136/248, train_loss: 0.7782, step time: 0.3756
Batch 137/248, train_loss: 0.1691, step time: 0.3449
Batch 138/248, train_loss: 0.1566, step time: 0.3450
Batch 139/248, train_loss: 0.2355, step time: 0.3683
Batch 140/248, train_loss: 0.7531, step time: 0.3820
Batch 141/248, train_loss: 0.3353, step time: 0.3753
Batch 142/248, train_loss: 0.9886, step time: 0.3520
Batch 143/248, train_loss: 0.7941, step time: 0.3474
Batch 144/248, train_loss: 0.2301, step time: 0.3608
Batch 145/248, train_loss: 0.1431, step time: 0.3476
Batch 146/248, train_loss: 0.9974, step time: 0.3417
Batch 147/248, train_loss: 0.0881, step time: 0.3405
Batch 148/248, train_loss: 0.9548, step time: 0.3813
Batch 149/248, train_loss: 0.5249, step time: 0.3515
Batch 150/248, train_loss: 0.5630, step time: 0.3539
Batch 151/248, train_loss: 0.9338, step time: 0.3716
Batch 152/248, train_loss: 0.0766, step time: 0.4047
Batch 153/248, train_loss: 0.9174, step time: 0.3741
Batch 154/248, train_loss: 0.9816, step time: 0.3835
Batch 155/248, train_loss: 0.5780, step time: 0.3855
Batch 156/248, train_loss: 0.5998, step time: 0.3818
Batch 157/248, train_loss: 0.4059, step time: 0.3438
Batch 158/248, train_loss: 0.9994, step time: 0.3446
Batch 159/248, train_loss: 0.9956, step time: 0.3779
Batch 160/248, train_loss: 0.3173, step time: 0.3853
Batch 161/248, train_loss: 0.5275, step time: 0.3661
Batch 162/248, train_loss: 0.1348, step time: 0.3861
Batch 163/248, train_loss: 0.9575, step time: 0.3725
Batch 164/248, train_loss: 0.6205, step time: 0.3437
Batch 165/248, train_loss: 0.9992, step time: 0.3661
Batch 166/248, train_loss: 0.8841, step time: 0.3780

Batch 167/248, train_loss: 0.6656, step time: 0.3422
Batch 168/248, train_loss: 0.6028, step time: 0.3660
Batch 169/248, train_loss: 0.3025, step time: 0.3439
Batch 170/248, train_loss: 0.9814, step time: 0.3507
Batch 171/248, train_loss: 0.1252, step time: 0.3453
Batch 172/248, train_loss: 0.9995, step time: 0.3446
Batch 173/248, train_loss: 0.1860, step time: 0.3518
Batch 174/248, train_loss: 0.9815, step time: 0.3486
Batch 175/248, train_loss: 0.2035, step time: 0.3689
Batch 176/248, train_loss: 0.7712, step time: 0.3460
Batch 177/248, train_loss: 0.9922, step time: 0.3433
Batch 178/248, train_loss: 0.3609, step time: 0.3509
Batch 179/248, train_loss: 0.1332, step time: 0.3525
Batch 180/248, train_loss: 0.5930, step time: 0.3797
Batch 181/248, train_loss: 0.1590, step time: 0.3688
Batch 182/248, train_loss: 0.9439, step time: 0.3750
Batch 183/248, train_loss: 0.5600, step time: 0.3654
Batch 184/248, train_loss: 0.9203, step time: 0.3525
Batch 185/248, train_loss: 0.5847, step time: 0.3744
Batch 186/248, train_loss: 0.2889, step time: 0.3683
Batch 187/248, train_loss: 0.3377, step time: 0.3800
Batch 188/248, train_loss: 0.6346, step time: 0.3537
Batch 189/248, train_loss: 0.9972, step time: 0.3619
Batch 190/248, train_loss: 0.3782, step time: 0.3853
Batch 191/248, train_loss: 0.9976, step time: 0.3860
Batch 192/248, train_loss: 0.5249, step time: 0.3853
Batch 193/248, train_loss: 0.7931, step time: 0.3655
Batch 194/248, train_loss: 0.7221, step time: 0.3539
Batch 195/248, train_loss: 0.9999, step time: 0.3877
Batch 196/248, train_loss: 0.9999, step time: 0.3460
Batch 197/248, train_loss: 0.8426, step time: 0.3458
Batch 198/248, train_loss: 1.0000, step time: 0.3687
Batch 199/248, train_loss: 0.6517, step time: 0.3464
Batch 200/248, train_loss: 0.5399, step time: 0.3444
Batch 201/248, train_loss: 0.2997, step time: 0.3591
Batch 202/248, train_loss: 0.8077, step time: 0.3493
Batch 203/248, train_loss: 0.9874, step time: 0.3434
Batch 204/248, train_loss: 0.1562, step time: 0.3666
Batch 205/248, train_loss: 0.9113, step time: 0.3468
Batch 206/248, train_loss: 0.9940, step time: 0.3478
Batch 207/248, train_loss: 0.2153, step time: 0.3561
Batch 208/248, train_loss: 0.5671, step time: 0.3706
Batch 209/248, train_loss: 0.4450, step time: 0.3609
Batch 210/248, train_loss: 0.1695, step time: 0.3731
Batch 211/248, train_loss: 0.1989, step time: 0.3449
Batch 212/248, train_loss: 0.7872, step time: 0.3702
Batch 213/248, train_loss: 0.7575, step time: 0.3592
Batch 214/248, train_loss: 0.3576, step time: 0.3482
Batch 215/248, train_loss: 0.8341, step time: 0.3606
Batch 216/248, train_loss: 0.3141, step time: 0.3404
Batch 217/248, train_loss: 0.9163, step time: 0.3427
Batch 218/248, train_loss: 0.9975, step time: 0.3712
Batch 219/248, train_loss: 0.3136, step time: 0.3663
Batch 220/248, train_loss: 0.8385, step time: 0.3579
Batch 221/248, train_loss: 0.8413, step time: 0.3826
Batch 222/248, train_loss: 0.2982, step time: 0.3752
Batch 223/248, train_loss: 0.1024, step time: 0.3534
Batch 224/248, train_loss: 0.1989, step time: 0.3850
Batch 225/248, train_loss: 0.9828, step time: 0.3490
Batch 226/248, train_loss: 0.9277, step time: 0.3845
Batch 227/248, train_loss: 0.3566, step time: 0.3506
Batch 228/248, train_loss: 0.8310, step time: 0.3440
Batch 229/248, train_loss: 0.1687, step time: 0.3567
Batch 230/248, train_loss: 0.3544, step time: 0.3512
Batch 231/248, train_loss: 0.9989, step time: 0.3711
Batch 232/248, train_loss: 0.3270, step time: 0.3822
Batch 233/248, train_loss: 0.9999, step time: 0.3438
Batch 234/248, train_loss: 0.9892, step time: 0.3657
Batch 235/248, train_loss: 0.9753, step time: 0.3895
Batch 236/248, train_loss: 0.9989, step time: 0.3621
Batch 237/248, train_loss: 0.2397, step time: 0.3873
Batch 238/248, train_loss: 0.2567, step time: 0.3521
Batch 239/248, train_loss: 0.0967, step time: 0.3761
Batch 240/248, train_loss: 0.7717, step time: 0.3873
Batch 241/248, train_loss: 0.9998, step time: 0.3714
Batch 242/248, train_loss: 0.8934, step time: 0.3748
Batch 243/248, train_loss: 0.9966, step time: 0.3433
Batch 244/248, train_loss: 0.9745, step time: 0.3441
Batch 245/248, train_loss: 0.2293, step time: 0.3804
Batch 246/248, train_loss: 0.9797, step time: 0.3460
Batch 247/248, train_loss: 0.1255, step time: 0.3440
Batch 248/248, train_loss: 1.0000, step time: 0.3649

Labels

— — — — —



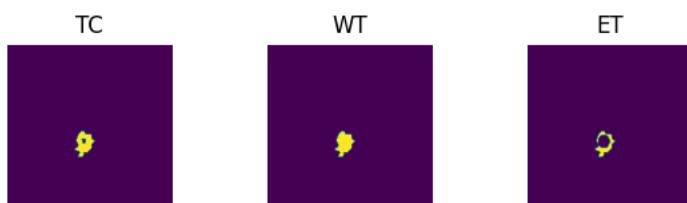
Predictions



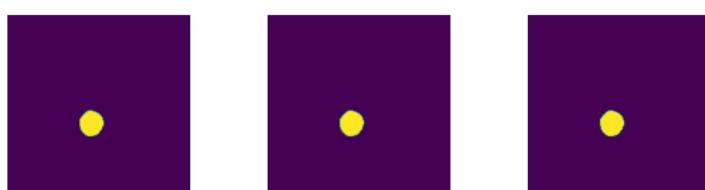
VAL

```
Batch 1/31, val_loss: 0.8843
Batch 2/31, val_loss: 0.9992
Batch 3/31, val_loss: 0.9960
Batch 4/31, val_loss: 0.9935
Batch 5/31, val_loss: 0.9999
Batch 6/31, val_loss: 0.7362
Batch 7/31, val_loss: 0.8652
Batch 8/31, val_loss: 0.9838
Batch 9/31, val_loss: 0.7243
Batch 10/31, val_loss: 0.9790
Batch 11/31, val_loss: 0.8691
Batch 12/31, val_loss: 0.9760
Batch 13/31, val_loss: 0.9850
Batch 14/31, val_loss: 0.9703
Batch 15/31, val_loss: 0.9972
Batch 16/31, val_loss: 0.9908
Batch 17/31, val_loss: 0.9995
Batch 18/31, val_loss: 0.9854
Batch 19/31, val_loss: 0.7897
Batch 20/31, val_loss: 0.8808
Batch 21/31, val_loss: 0.9379
Batch 22/31, val_loss: 0.9968
Batch 23/31, val_loss: 0.9945
Batch 24/31, val_loss: 0.7550
Batch 25/31, val_loss: 0.8239
Batch 26/31, val_loss: 0.9592
Batch 27/31, val_loss: 0.9988
Batch 28/31, val_loss: 0.8001
Batch 29/31, val_loss: 0.9982
Batch 30/31, val_loss: 0.9961
Batch 31/31, val_loss: 0.9946
```

Labels



Predictions



epoch 57

```
average train loss: 0.6371
average validation loss: 0.9310
saved as best model: True
current mean dice: 0.2936
current TC dice: 0.3067
current WT dice: 0.3125
current ET dice: 0.2895
```

Best Mean Metric: 0.2936

time consuming of epoch 57 is: 4023.2431

epoch 58/100

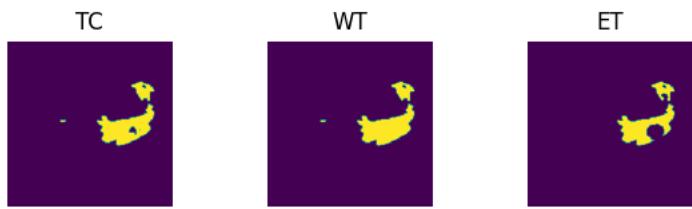
TRAIN

Batch 1/248, train_loss: 0.1241, step time: 0.3477
Batch 2/248, train_loss: 0.9988, step time: 0.3504
Batch 3/248, train_loss: 0.9481, step time: 0.3505
Batch 4/248, train_loss: 0.9996, step time: 0.3468
Batch 5/248, train_loss: 0.7764, step time: 0.3653
Batch 6/248, train_loss: 0.7536, step time: 0.3599
Batch 7/248, train_loss: 0.1152, step time: 0.3723
Batch 8/248, train_loss: 0.7561, step time: 0.3821
Batch 9/248, train_loss: 0.0878, step time: 0.3660
Batch 10/248, train_loss: 0.8938, step time: 0.3833
Batch 11/248, train_loss: 0.7480, step time: 0.3721
Batch 12/248, train_loss: 0.9940, step time: 0.3607
Batch 13/248, train_loss: 0.9479, step time: 0.3744
Batch 14/248, train_loss: 0.0903, step time: 0.3464
Batch 15/248, train_loss: 0.8850, step time: 0.3480
Batch 16/248, train_loss: 0.6921, step time: 0.3874
Batch 17/248, train_loss: 0.9876, step time: 0.3817
Batch 18/248, train_loss: 0.9672, step time: 0.3437
Batch 19/248, train_loss: 0.1717, step time: 0.3562
Batch 20/248, train_loss: 0.6869, step time: 0.3833
Batch 21/248, train_loss: 0.2358, step time: 0.3864
Batch 22/248, train_loss: 0.9996, step time: 0.3785
Batch 23/248, train_loss: 0.9997, step time: 0.3491
Batch 24/248, train_loss: 0.3423, step time: 0.3483
Batch 25/248, train_loss: 0.1210, step time: 0.3668
Batch 26/248, train_loss: 0.9784, step time: 0.3867
Batch 27/248, train_loss: 0.1152, step time: 0.3764
Batch 28/248, train_loss: 0.6764, step time: 0.3751
Batch 29/248, train_loss: 0.9917, step time: 0.3610
Batch 30/248, train_loss: 0.8764, step time: 0.3792
Batch 31/248, train_loss: 0.8772, step time: 0.3463
Batch 32/248, train_loss: 0.2862, step time: 0.3862
Batch 33/248, train_loss: 0.1253, step time: 0.3447
Batch 34/248, train_loss: 0.1061, step time: 0.3748
Batch 35/248, train_loss: 0.3070, step time: 0.3461
Batch 36/248, train_loss: 0.9995, step time: 0.3797
Batch 37/248, train_loss: 0.4792, step time: 0.3483
Batch 38/248, train_loss: 0.8519, step time: 0.3456
Batch 39/248, train_loss: 0.5075, step time: 0.3672
Batch 40/248, train_loss: 1.0000, step time: 0.3560
Batch 41/248, train_loss: 0.3040, step time: 0.3859
Batch 42/248, train_loss: 0.1692, step time: 0.3441
Batch 43/248, train_loss: 0.1174, step time: 0.3681
Batch 44/248, train_loss: 0.6670, step time: 0.3817
Batch 45/248, train_loss: 0.8533, step time: 0.3880
Batch 46/248, train_loss: 0.5295, step time: 0.3432
Batch 47/248, train_loss: 0.6544, step time: 0.3479
Batch 48/248, train_loss: 0.6053, step time: 0.3638
Batch 49/248, train_loss: 0.9713, step time: 0.3445
Batch 50/248, train_loss: 0.7334, step time: 0.3789
Batch 51/248, train_loss: 0.6843, step time: 0.3882
Batch 52/248, train_loss: 0.5145, step time: 0.3670
Batch 53/248, train_loss: 0.8822, step time: 0.3886
Batch 54/248, train_loss: 0.6768, step time: 0.3912
Batch 55/248, train_loss: 0.8805, step time: 0.3460
Batch 56/248, train_loss: 0.7453, step time: 0.3568
Batch 57/248, train_loss: 0.7214, step time: 0.3468
Batch 58/248, train_loss: 0.2366, step time: 0.3444
Batch 59/248, train_loss: 0.3390, step time: 0.3877
Batch 60/248, train_loss: 0.1860, step time: 0.3854
Batch 61/248, train_loss: 0.3545, step time: 0.3582
Batch 62/248, train_loss: 0.9025, step time: 0.3583
Batch 63/248, train_loss: 0.9857, step time: 0.3818
Batch 64/248, train_loss: 0.9765, step time: 0.3433
Batch 65/248, train_loss: 0.7161, step time: 0.3679
Batch 66/248, train_loss: 0.7030, step time: 0.3525
Batch 67/248, train_loss: 0.1633, step time: 0.3505
Batch 68/248, train_loss: 0.2033, step time: 0.3839
Batch 69/248, train_loss: 0.9996, step time: 0.3879
Batch 70/248, train_loss: 0.2990, step time: 0.3499
Batch 71/248, train_loss: 0.3166, step time: 0.3634
Batch 72/248, train_loss: 0.1759, step time: 0.3883
Batch 73/248, train_loss: 0.3114, step time: 0.3871
Batch 74/248, train_loss: 0.9995, step time: 0.3786
Batch 75/248, train_loss: 0.2862, step time: 0.3762
Batch 76/248, train_loss: 0.9972, step time: 0.3437
Batch 77/248, train_loss: 0.9991, step time: 0.3436
Batch 78/248, train_loss: 0.4792, step time: 0.3434
Batch 79/248, train_loss: 0.6550, step time: 0.3836
Batch 80/248, train_loss: 0.7846, step time: 0.3631
Batch 81/248, train_loss: 0.8584, step time: 0.3551

Batch 82/248, train_loss: 0.2335, step time: 0.3766
Batch 83/248, train_loss: 0.9841, step time: 0.3852
Batch 84/248, train_loss: 0.7036, step time: 0.3724
Batch 85/248, train_loss: 0.9893, step time: 0.3492
Batch 86/248, train_loss: 0.4887, step time: 0.3853
Batch 87/248, train_loss: 0.9665, step time: 0.3768
Batch 88/248, train_loss: 0.9540, step time: 0.3871
Batch 89/248, train_loss: 0.1241, step time: 0.3500
Batch 90/248, train_loss: 0.7400, step time: 0.3502
Batch 91/248, train_loss: 0.9839, step time: 0.3728
Batch 92/248, train_loss: 0.9400, step time: 0.3556
Batch 93/248, train_loss: 0.2629, step time: 0.3530
Batch 94/248, train_loss: 0.9868, step time: 0.3658
Batch 95/248, train_loss: 0.4357, step time: 0.3689
Batch 96/248, train_loss: 0.4399, step time: 0.3701
Batch 97/248, train_loss: 0.9998, step time: 0.3465
Batch 98/248, train_loss: 0.2591, step time: 0.3876
Batch 99/248, train_loss: 0.9561, step time: 0.3564
Batch 100/248, train_loss: 0.9937, step time: 0.3697
Batch 101/248, train_loss: 0.0864, step time: 0.3805
Batch 102/248, train_loss: 0.5442, step time: 0.3636
Batch 103/248, train_loss: 0.9793, step time: 0.3486
Batch 104/248, train_loss: 0.5314, step time: 0.3517
Batch 105/248, train_loss: 0.1664, step time: 0.3569
Batch 106/248, train_loss: 0.7717, step time: 0.3632
Batch 107/248, train_loss: 0.9491, step time: 0.3834
Batch 108/248, train_loss: 0.9700, step time: 0.3833
Batch 109/248, train_loss: 0.9962, step time: 0.3549
Batch 110/248, train_loss: 0.7998, step time: 0.3729
Batch 111/248, train_loss: 0.1832, step time: 0.3608
Batch 112/248, train_loss: 0.2410, step time: 0.3474
Batch 113/248, train_loss: 0.9999, step time: 0.3472
Batch 114/248, train_loss: 0.2251, step time: 0.3624
Batch 115/248, train_loss: 0.5498, step time: 0.3601
Batch 116/248, train_loss: 0.1460, step time: 0.3602
Batch 117/248, train_loss: 0.9934, step time: 0.3862
Batch 118/248, train_loss: 0.9647, step time: 0.3607
Batch 119/248, train_loss: 0.6502, step time: 0.3819
Batch 120/248, train_loss: 0.6632, step time: 0.3762
Batch 121/248, train_loss: 0.8969, step time: 0.3732
Batch 122/248, train_loss: 0.9387, step time: 0.3462
Batch 123/248, train_loss: 0.2532, step time: 0.3693
Batch 124/248, train_loss: 0.9494, step time: 0.3686
Batch 125/248, train_loss: 0.9847, step time: 0.3748
Batch 126/248, train_loss: 0.3278, step time: 0.3490
Batch 127/248, train_loss: 0.5980, step time: 0.3612
Batch 128/248, train_loss: 0.8303, step time: 0.3502
Batch 129/248, train_loss: 0.1738, step time: 0.3478
Batch 130/248, train_loss: 0.2050, step time: 0.3442
Batch 131/248, train_loss: 0.9359, step time: 0.3685
Batch 132/248, train_loss: 0.9308, step time: 0.3470
Batch 133/248, train_loss: 0.2323, step time: 0.3805
Batch 134/248, train_loss: 1.0000, step time: 0.3481
Batch 135/248, train_loss: 0.9637, step time: 0.3613
Batch 136/248, train_loss: 0.7599, step time: 0.3825
Batch 137/248, train_loss: 0.1830, step time: 0.3779
Batch 138/248, train_loss: 0.1621, step time: 0.3810
Batch 139/248, train_loss: 0.2186, step time: 0.3508
Batch 140/248, train_loss: 0.7524, step time: 0.3714
Batch 141/248, train_loss: 0.3144, step time: 0.3457
Batch 142/248, train_loss: 0.9924, step time: 0.3724
Batch 143/248, train_loss: 0.7767, step time: 0.3685
Batch 144/248, train_loss: 0.2154, step time: 0.3755
Batch 145/248, train_loss: 0.1625, step time: 0.3874
Batch 146/248, train_loss: 0.9962, step time: 0.3692
Batch 147/248, train_loss: 0.0849, step time: 0.3697
Batch 148/248, train_loss: 0.9525, step time: 0.3847
Batch 149/248, train_loss: 0.5195, step time: 0.3815
Batch 150/248, train_loss: 0.5550, step time: 0.3794
Batch 151/248, train_loss: 0.9363, step time: 0.3520
Batch 152/248, train_loss: 0.0773, step time: 0.3865
Batch 153/248, train_loss: 0.9187, step time: 0.3505
Batch 154/248, train_loss: 0.9806, step time: 0.3407
Batch 155/248, train_loss: 0.5506, step time: 0.3838
Batch 156/248, train_loss: 0.5758, step time: 0.3769
Batch 157/248, train_loss: 0.4094, step time: 0.3452
Batch 158/248, train_loss: 0.9992, step time: 0.3568
Batch 159/248, train_loss: 0.9956, step time: 0.3769
Batch 160/248, train_loss: 0.2916, step time: 0.3698
Batch 161/248, train_loss: 0.5108, step time: 0.3776
Batch 162/248, train_loss: 0.1393, step time: 0.3485
Batch 163/248, train_loss: 0.9568, step time: 0.3813
Batch 164/248, train_loss: 0.6135, step time: 0.3684
Batch 165/248, train_loss: 0.9991, step time: 0.3827
Batch 166/248, train_loss: 0.8786, step time: 0.3671

```
--> --> --> --> --> --> --> --> -->
Batch 167/248, train_loss: 0.6656, step time: 0.3630
Batch 168/248, train_loss: 0.5982, step time: 0.3518
Batch 169/248, train_loss: 0.3052, step time: 0.3815
Batch 170/248, train_loss: 0.9836, step time: 0.3670
Batch 171/248, train_loss: 0.1269, step time: 0.3905
Batch 172/248, train_loss: 0.9989, step time: 0.3772
Batch 173/248, train_loss: 0.1526, step time: 0.3440
Batch 174/248, train_loss: 0.9802, step time: 0.3766
Batch 175/248, train_loss: 0.1882, step time: 0.3669
Batch 176/248, train_loss: 0.7521, step time: 0.3753
Batch 177/248, train_loss: 0.9913, step time: 0.3796
Batch 178/248, train_loss: 0.3525, step time: 0.3442
Batch 179/248, train_loss: 0.1330, step time: 0.3470
Batch 180/248, train_loss: 0.5994, step time: 0.3877
Batch 181/248, train_loss: 0.1624, step time: 0.3528
Batch 182/248, train_loss: 0.9375, step time: 0.3744
Batch 183/248, train_loss: 0.5868, step time: 0.3861
Batch 184/248, train_loss: 0.9181, step time: 0.3874
Batch 185/248, train_loss: 0.5583, step time: 0.3575
Batch 186/248, train_loss: 0.2709, step time: 0.3578
Batch 187/248, train_loss: 0.3448, step time: 0.3827
Batch 188/248, train_loss: 0.6096, step time: 0.3442
Batch 189/248, train_loss: 0.9981, step time: 0.3484
Batch 190/248, train_loss: 0.4106, step time: 0.3579
Batch 191/248, train_loss: 0.9978, step time: 0.3474
Batch 192/248, train_loss: 0.3998, step time: 0.3437
Batch 193/248, train_loss: 0.7905, step time: 0.3665
Batch 194/248, train_loss: 0.7031, step time: 0.3580
Batch 195/248, train_loss: 0.9987, step time: 0.3500
Batch 196/248, train_loss: 0.9999, step time: 0.3662
Batch 197/248, train_loss: 0.8344, step time: 0.3651
Batch 198/248, train_loss: 1.0000, step time: 0.3650
Batch 199/248, train_loss: 0.6349, step time: 0.3832
Batch 200/248, train_loss: 0.5117, step time: 0.3577
Batch 201/248, train_loss: 0.2849, step time: 0.3523
Batch 202/248, train_loss: 0.7897, step time: 0.3657
Batch 203/248, train_loss: 0.9878, step time: 0.3579
Batch 204/248, train_loss: 0.1547, step time: 0.3838
Batch 205/248, train_loss: 0.9055, step time: 0.3761
Batch 206/248, train_loss: 0.9934, step time: 0.3652
Batch 207/248, train_loss: 0.1771, step time: 0.3667
Batch 208/248, train_loss: 0.5434, step time: 0.3837
Batch 209/248, train_loss: 0.4167, step time: 0.3586
Batch 210/248, train_loss: 0.1619, step time: 0.3628
Batch 211/248, train_loss: 0.1865, step time: 0.3465
Batch 212/248, train_loss: 0.7772, step time: 0.3450
Batch 213/248, train_loss: 0.7470, step time: 0.3505
Batch 214/248, train_loss: 0.3390, step time: 0.3569
Batch 215/248, train_loss: 0.8508, step time: 0.3797
Batch 216/248, train_loss: 0.3115, step time: 0.3493
Batch 217/248, train_loss: 0.9222, step time: 0.3780
Batch 218/248, train_loss: 0.9985, step time: 0.3860
Batch 219/248, train_loss: 0.3093, step time: 0.3455
Batch 220/248, train_loss: 0.8333, step time: 0.3458
Batch 221/248, train_loss: 0.8433, step time: 0.3474
Batch 222/248, train_loss: 0.3144, step time: 0.3478
Batch 223/248, train_loss: 0.1200, step time: 0.3513
Batch 224/248, train_loss: 0.1840, step time: 0.3445
Batch 225/248, train_loss: 0.9840, step time: 0.3442
Batch 226/248, train_loss: 0.9244, step time: 0.3513
Batch 227/248, train_loss: 0.3473, step time: 0.3745
Batch 228/248, train_loss: 0.8135, step time: 0.3723
Batch 229/248, train_loss: 0.1525, step time: 0.3608
Batch 230/248, train_loss: 0.3392, step time: 0.3847
Batch 231/248, train_loss: 0.9982, step time: 0.3640
Batch 232/248, train_loss: 0.3147, step time: 0.3518
Batch 233/248, train_loss: 0.9998, step time: 0.3862
Batch 234/248, train_loss: 0.9882, step time: 0.3525
Batch 235/248, train_loss: 0.9830, step time: 0.3585
Batch 236/248, train_loss: 0.9990, step time: 0.3472
Batch 237/248, train_loss: 0.2351, step time: 0.3474
Batch 238/248, train_loss: 0.2521, step time: 0.3470
Batch 239/248, train_loss: 0.0955, step time: 0.3714
Batch 240/248, train_loss: 0.7710, step time: 0.3522
Batch 241/248, train_loss: 0.9999, step time: 0.3678
Batch 242/248, train_loss: 0.8863, step time: 0.3442
Batch 243/248, train_loss: 0.9979, step time: 0.3433
Batch 244/248, train_loss: 0.9973, step time: 0.3697
Batch 245/248, train_loss: 0.2116, step time: 0.3797
Batch 246/248, train_loss: 0.9878, step time: 0.3479
Batch 247/248, train_loss: 0.1226, step time: 0.3905
Batch 248/248, train_loss: 1.0000, step time: 0.3658
```

Labels



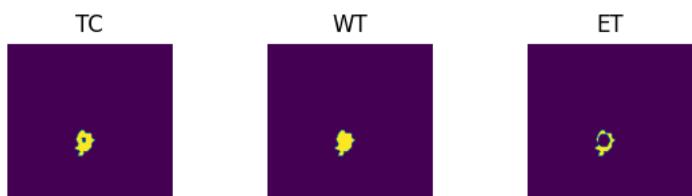
Predictions



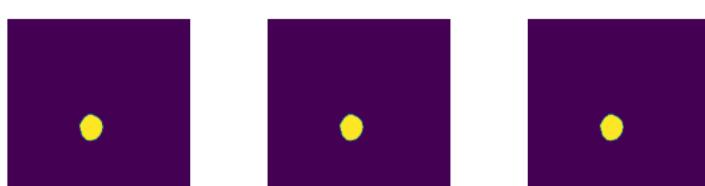
VAL

```
Batch 1/31, val_loss: 0.8881
Batch 2/31, val_loss: 0.9988
Batch 3/31, val_loss: 0.9950
Batch 4/31, val_loss: 0.9933
Batch 5/31, val_loss: 0.9999
Batch 6/31, val_loss: 0.7367
Batch 7/31, val_loss: 0.8652
Batch 8/31, val_loss: 0.9854
Batch 9/31, val_loss: 0.7257
Batch 10/31, val_loss: 0.9761
Batch 11/31, val_loss: 0.8618
Batch 12/31, val_loss: 0.9768
Batch 13/31, val_loss: 0.9915
Batch 14/31, val_loss: 0.9694
Batch 15/31, val_loss: 0.9998
Batch 16/31, val_loss: 0.9920
Batch 17/31, val_loss: 0.9977
Batch 18/31, val_loss: 0.9870
Batch 19/31, val_loss: 0.7798
Batch 20/31, val_loss: 0.8834
Batch 21/31, val_loss: 0.9344
Batch 22/31, val_loss: 0.9974
Batch 23/31, val_loss: 0.9918
Batch 24/31, val_loss: 0.7592
Batch 25/31, val_loss: 0.8222
Batch 26/31, val_loss: 0.9565
Batch 27/31, val_loss: 0.9971
Batch 28/31, val_loss: 0.7944
Batch 29/31, val_loss: 0.9988
Batch 30/31, val_loss: 0.9939
Batch 31/31, val_loss: 0.9948
```

Labels



Predictions



epoch 58

```
average train loss: 0.6280
average validation loss: 0.9304
saved as best model: True
current mean dice: 0.2970
current TC dice: 0.3106
current WT dice: 0.3165
current ET dice: 0.2920
Best Mean Metric: 0.2970
```

time consuming of epoch 58 is: 1401.9057

epoch 59/100

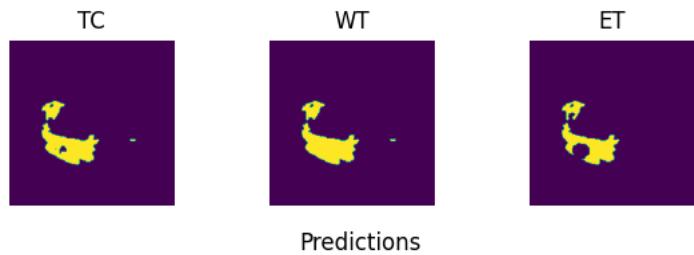
TRAIN

Batch 1/248, train_loss: 0.1218, step time: 0.3623
Batch 2/248, train_loss: 0.9988, step time: 0.3440
Batch 3/248, train_loss: 0.9406, step time: 0.3848
Batch 4/248, train_loss: 0.9996, step time: 0.3720
Batch 5/248, train_loss: 0.7725, step time: 0.3908
Batch 6/248, train_loss: 0.7494, step time: 0.3848
Batch 7/248, train_loss: 0.1139, step time: 0.3723
Batch 8/248, train_loss: 0.7553, step time: 0.3852
Batch 9/248, train_loss: 0.0877, step time: 0.3833
Batch 10/248, train_loss: 0.8909, step time: 0.3756
Batch 11/248, train_loss: 0.7361, step time: 0.3867
Batch 12/248, train_loss: 0.9905, step time: 0.3914
Batch 13/248, train_loss: 0.9419, step time: 0.3821
Batch 14/248, train_loss: 0.0806, step time: 0.3485
Batch 15/248, train_loss: 0.8839, step time: 0.3570
Batch 16/248, train_loss: 0.6823, step time: 0.3738
Batch 17/248, train_loss: 0.9956, step time: 0.3766
Batch 18/248, train_loss: 0.9646, step time: 0.3810
Batch 19/248, train_loss: 0.1768, step time: 0.3707
Batch 20/248, train_loss: 0.6691, step time: 0.3487
Batch 21/248, train_loss: 0.2220, step time: 0.3600
Batch 22/248, train_loss: 0.9999, step time: 0.3655
Batch 23/248, train_loss: 0.9998, step time: 0.3426
Batch 24/248, train_loss: 0.3100, step time: 0.3761
Batch 25/248, train_loss: 0.1366, step time: 0.3683
Batch 26/248, train_loss: 0.9757, step time: 0.3637
Batch 27/248, train_loss: 0.1155, step time: 0.3632
Batch 28/248, train_loss: 0.6567, step time: 0.3762
Batch 29/248, train_loss: 0.9859, step time: 0.3840
Batch 30/248, train_loss: 0.9546, step time: 0.3461
Batch 31/248, train_loss: 0.8699, step time: 0.3657
Batch 32/248, train_loss: 0.2717, step time: 0.3493
Batch 33/248, train_loss: 0.1153, step time: 0.3738
Batch 34/248, train_loss: 0.1046, step time: 0.3721
Batch 35/248, train_loss: 0.2730, step time: 0.3449
Batch 36/248, train_loss: 0.9964, step time: 0.3740
Batch 37/248, train_loss: 0.4477, step time: 0.3847
Batch 38/248, train_loss: 0.8514, step time: 0.3853
Batch 39/248, train_loss: 0.5154, step time: 0.3463
Batch 40/248, train_loss: 0.9985, step time: 0.3856
Batch 41/248, train_loss: 0.3019, step time: 0.3724
Batch 42/248, train_loss: 0.1762, step time: 0.3813
Batch 43/248, train_loss: 0.1052, step time: 0.3754
Batch 44/248, train_loss: 0.6059, step time: 0.3861
Batch 45/248, train_loss: 0.8671, step time: 0.3667
Batch 46/248, train_loss: 0.4968, step time: 0.3472
Batch 47/248, train_loss: 0.6386, step time: 0.3646
Batch 48/248, train_loss: 0.6299, step time: 0.3515
Batch 49/248, train_loss: 0.9681, step time: 0.3844
Batch 50/248, train_loss: 0.7054, step time: 0.3551
Batch 51/248, train_loss: 0.7100, step time: 0.3460
Batch 52/248, train_loss: 0.4897, step time: 0.3708
Batch 53/248, train_loss: 0.8750, step time: 0.3473
Batch 54/248, train_loss: 0.6680, step time: 0.3731
Batch 55/248, train_loss: 0.8753, step time: 0.3751
Batch 56/248, train_loss: 0.7402, step time: 0.3874
Batch 57/248, train_loss: 0.7105, step time: 0.3715
Batch 58/248, train_loss: 0.2075, step time: 0.3560
Batch 59/248, train_loss: 0.3204, step time: 0.3438
Batch 60/248, train_loss: 0.1826, step time: 0.3826
Batch 61/248, train_loss: 0.3317, step time: 0.3508
Batch 62/248, train_loss: 0.8982, step time: 0.3801
Batch 63/248, train_loss: 0.9758, step time: 0.3770
Batch 64/248, train_loss: 0.9741, step time: 0.3610
Batch 65/248, train_loss: 0.7217, step time: 0.3488
Batch 66/248, train_loss: 0.7138, step time: 0.3589
Batch 67/248, train_loss: 0.1517, step time: 0.3472
Batch 68/248, train_loss: 0.2385, step time: 0.3477
Batch 69/248, train_loss: 0.9991, step time: 0.3443
Batch 70/248, train_loss: 0.2653, step time: 0.3842
Batch 71/248, train_loss: 0.2703, step time: 0.3621
Batch 72/248, train_loss: 0.1594, step time: 0.3587
Batch 73/248, train_loss: 0.3133, step time: 0.3532
Batch 74/248, train_loss: 0.9991, step time: 0.3495
Batch 75/248, train_loss: 0.2840, step time: 0.3819
Batch 76/248, train_loss: 0.9923, step time: 0.3467
Batch 77/248, train_loss: 0.9995, step time: 0.3462
Batch 78/248, train_loss: 0.4451, step time: 0.3910
Batch 79/248, train_loss: 0.6544, step time: 0.3519
Batch 80/248, train_loss: 0.8081, step time: 0.3568
Batch 81/248, train_loss: 0.8622, step time: 0.3567

Batch 81/248, train_loss: 0.0022, step time: 0.000
Batch 82/248, train_loss: 0.2174, step time: 0.3884
Batch 83/248, train_loss: 0.9890, step time: 0.3599
Batch 84/248, train_loss: 0.6947, step time: 0.3848
Batch 85/248, train_loss: 0.9900, step time: 0.3783
Batch 86/248, train_loss: 0.5822, step time: 0.3855
Batch 87/248, train_loss: 0.9852, step time: 0.3448
Batch 88/248, train_loss: 0.9649, step time: 0.3465
Batch 89/248, train_loss: 0.1276, step time: 0.3611
Batch 90/248, train_loss: 0.7382, step time: 0.3827
Batch 91/248, train_loss: 0.9846, step time: 0.3799
Batch 92/248, train_loss: 0.7243, step time: 0.3595
Batch 93/248, train_loss: 0.2537, step time: 0.3641
Batch 94/248, train_loss: 0.9829, step time: 0.3711
Batch 95/248, train_loss: 0.4326, step time: 0.3463
Batch 96/248, train_loss: 0.4067, step time: 0.3517
Batch 97/248, train_loss: 0.9999, step time: 0.3872
Batch 98/248, train_loss: 0.1999, step time: 0.3675
Batch 99/248, train_loss: 0.9623, step time: 0.3614
Batch 100/248, train_loss: 0.9922, step time: 0.3425
Batch 101/248, train_loss: 0.0921, step time: 0.3467
Batch 102/248, train_loss: 0.5445, step time: 0.3687
Batch 103/248, train_loss: 0.9759, step time: 0.3602
Batch 104/248, train_loss: 0.4806, step time: 0.3729
Batch 105/248, train_loss: 0.1622, step time: 0.3827
Batch 106/248, train_loss: 0.7373, step time: 0.3848
Batch 107/248, train_loss: 0.9382, step time: 0.3450
Batch 108/248, train_loss: 0.9712, step time: 0.3895
Batch 109/248, train_loss: 0.9967, step time: 0.3717
Batch 110/248, train_loss: 0.7869, step time: 0.3760
Batch 111/248, train_loss: 0.1890, step time: 0.3432
Batch 112/248, train_loss: 0.1993, step time: 0.3459
Batch 113/248, train_loss: 0.9999, step time: 0.3664
Batch 114/248, train_loss: 0.2287, step time: 0.3483
Batch 115/248, train_loss: 0.5436, step time: 0.3539
Batch 116/248, train_loss: 0.1394, step time: 0.3440
Batch 117/248, train_loss: 0.9920, step time: 0.3521
Batch 118/248, train_loss: 0.9660, step time: 0.3796
Batch 119/248, train_loss: 0.6027, step time: 0.3838
Batch 120/248, train_loss: 0.6431, step time: 0.3701
Batch 121/248, train_loss: 0.8901, step time: 0.3862
Batch 122/248, train_loss: 0.9457, step time: 0.3467
Batch 123/248, train_loss: 0.2519, step time: 0.3465
Batch 124/248, train_loss: 0.9357, step time: 0.3739
Batch 125/248, train_loss: 0.9910, step time: 0.3433
Batch 126/248, train_loss: 0.3417, step time: 0.3682
Batch 127/248, train_loss: 0.5643, step time: 0.3672
Batch 128/248, train_loss: 0.8315, step time: 0.3719
Batch 129/248, train_loss: 0.1726, step time: 0.3648
Batch 130/248, train_loss: 0.2221, step time: 0.3886
Batch 131/248, train_loss: 0.9313, step time: 0.3869
Batch 132/248, train_loss: 0.9278, step time: 0.3773
Batch 133/248, train_loss: 0.2312, step time: 0.3695
Batch 134/248, train_loss: 1.0000, step time: 0.3463
Batch 135/248, train_loss: 0.9594, step time: 0.3825
Batch 136/248, train_loss: 0.7494, step time: 0.3461
Batch 137/248, train_loss: 0.1636, step time: 0.3791
Batch 138/248, train_loss: 0.1576, step time: 0.3845
Batch 139/248, train_loss: 0.2153, step time: 0.3491
Batch 140/248, train_loss: 0.7343, step time: 0.3580
Batch 141/248, train_loss: 0.3246, step time: 0.3848
Batch 142/248, train_loss: 0.9939, step time: 0.3452
Batch 143/248, train_loss: 0.7705, step time: 0.3431
Batch 144/248, train_loss: 0.2146, step time: 0.3680
Batch 145/248, train_loss: 0.1151, step time: 0.3583
Batch 146/248, train_loss: 0.9972, step time: 0.3761
Batch 147/248, train_loss: 0.0752, step time: 0.3576
Batch 148/248, train_loss: 0.9552, step time: 0.3802
Batch 149/248, train_loss: 0.5055, step time: 0.3865
Batch 150/248, train_loss: 0.5457, step time: 0.3821
Batch 151/248, train_loss: 0.9472, step time: 0.3794
Batch 152/248, train_loss: 0.0742, step time: 0.3901
Batch 153/248, train_loss: 0.9107, step time: 0.3872
Batch 154/248, train_loss: 0.9793, step time: 0.3511
Batch 155/248, train_loss: 0.5448, step time: 0.3864
Batch 156/248, train_loss: 0.5637, step time: 0.3664
Batch 157/248, train_loss: 0.4191, step time: 0.3861
Batch 158/248, train_loss: 0.9990, step time: 0.3459
Batch 159/248, train_loss: 0.9976, step time: 0.3750
Batch 160/248, train_loss: 0.2866, step time: 0.3870
Batch 161/248, train_loss: 0.4959, step time: 0.3437
Batch 162/248, train_loss: 0.1447, step time: 0.3447
Batch 163/248, train_loss: 0.9576, step time: 0.3887
Batch 164/248, train_loss: 0.5932, step time: 0.3629
Batch 165/248, train_loss: 0.9991, step time: 0.3684

Batch 165/248, train_loss: 0.813, step time: 0.3809
Batch 167/248, train_loss: 0.6532, step time: 0.3509
Batch 168/248, train_loss: 0.5706, step time: 0.3879
Batch 169/248, train_loss: 0.2871, step time: 0.3811
Batch 170/248, train_loss: 0.9823, step time: 0.3632
Batch 171/248, train_loss: 0.1245, step time: 0.3566
Batch 172/248, train_loss: 0.9991, step time: 0.3740
Batch 173/248, train_loss: 0.1614, step time: 0.3855
Batch 174/248, train_loss: 0.9989, step time: 0.3466
Batch 175/248, train_loss: 0.2104, step time: 0.3679
Batch 176/248, train_loss: 0.7505, step time: 0.3890
Batch 177/248, train_loss: 0.9977, step time: 0.3544
Batch 178/248, train_loss: 0.3457, step time: 0.3535
Batch 179/248, train_loss: 0.1377, step time: 0.3656
Batch 180/248, train_loss: 0.6000, step time: 0.3574
Batch 181/248, train_loss: 0.1544, step time: 0.3600
Batch 182/248, train_loss: 0.9423, step time: 0.3862
Batch 183/248, train_loss: 0.5771, step time: 0.3456
Batch 184/248, train_loss: 0.9102, step time: 0.3808
Batch 185/248, train_loss: 0.5408, step time: 0.3701
Batch 186/248, train_loss: 0.2547, step time: 0.3848
Batch 187/248, train_loss: 0.3355, step time: 0.3419
Batch 188/248, train_loss: 0.5884, step time: 0.3427
Batch 189/248, train_loss: 0.9996, step time: 0.3657
Batch 190/248, train_loss: 0.3969, step time: 0.3442
Batch 191/248, train_loss: 0.9993, step time: 0.3565
Batch 192/248, train_loss: 0.4699, step time: 0.3434
Batch 193/248, train_loss: 0.7851, step time: 0.3640
Batch 194/248, train_loss: 0.6994, step time: 0.3887
Batch 195/248, train_loss: 0.9994, step time: 0.3900
Batch 196/248, train_loss: 0.9998, step time: 0.3819
Batch 197/248, train_loss: 0.8284, step time: 0.3428
Batch 198/248, train_loss: 1.0000, step time: 0.3672
Batch 199/248, train_loss: 0.6187, step time: 0.3695
Batch 200/248, train_loss: 0.4946, step time: 0.3487
Batch 201/248, train_loss: 0.2887, step time: 0.3808
Batch 202/248, train_loss: 0.7683, step time: 0.3756
Batch 203/248, train_loss: 0.9963, step time: 0.3749
Batch 204/248, train_loss: 0.1726, step time: 0.3530
Batch 205/248, train_loss: 0.9036, step time: 0.3813
Batch 206/248, train_loss: 0.9945, step time: 0.3463
Batch 207/248, train_loss: 0.1892, step time: 0.3564
Batch 208/248, train_loss: 0.5238, step time: 0.3551
Batch 209/248, train_loss: 0.4118, step time: 0.3484
Batch 210/248, train_loss: 0.1497, step time: 0.3708
Batch 211/248, train_loss: 0.1753, step time: 0.3481
Batch 212/248, train_loss: 0.7601, step time: 0.3468
Batch 213/248, train_loss: 0.7333, step time: 0.3617
Batch 214/248, train_loss: 0.3219, step time: 0.3538
Batch 215/248, train_loss: 0.8231, step time: 0.3875
Batch 216/248, train_loss: 0.2929, step time: 0.3494
Batch 217/248, train_loss: 0.9070, step time: 0.3459
Batch 218/248, train_loss: 0.9937, step time: 0.3533
Batch 219/248, train_loss: 0.2757, step time: 0.3836
Batch 220/248, train_loss: 0.8214, step time: 0.3709
Batch 221/248, train_loss: 0.8277, step time: 0.3749
Batch 222/248, train_loss: 0.2933, step time: 0.3667
Batch 223/248, train_loss: 0.0937, step time: 0.3757
Batch 224/248, train_loss: 0.1791, step time: 0.3831
Batch 225/248, train_loss: 0.9816, step time: 0.3460
Batch 226/248, train_loss: 0.9222, step time: 0.3731
Batch 227/248, train_loss: 0.3405, step time: 0.3875
Batch 228/248, train_loss: 0.8065, step time: 0.3766
Batch 229/248, train_loss: 0.1695, step time: 0.3713
Batch 230/248, train_loss: 0.3013, step time: 0.3764
Batch 231/248, train_loss: 0.9947, step time: 0.3901
Batch 232/248, train_loss: 0.2773, step time: 0.3679
Batch 233/248, train_loss: 0.9998, step time: 0.3630
Batch 234/248, train_loss: 0.9857, step time: 0.3540
Batch 235/248, train_loss: 0.9759, step time: 0.3900
Batch 236/248, train_loss: 0.9991, step time: 0.3689
Batch 237/248, train_loss: 0.2444, step time: 0.3544
Batch 238/248, train_loss: 0.2420, step time: 0.3752
Batch 239/248, train_loss: 0.0965, step time: 0.3609
Batch 240/248, train_loss: 0.7257, step time: 0.3663
Batch 241/248, train_loss: 0.9999, step time: 0.3842
Batch 242/248, train_loss: 0.8792, step time: 0.3924
Batch 243/248, train_loss: 0.9991, step time: 0.3561
Batch 244/248, train_loss: 0.9665, step time: 0.3819
Batch 245/248, train_loss: 0.2181, step time: 0.3468
Batch 246/248, train_loss: 0.9801, step time: 0.3506
Batch 247/248, train_loss: 0.1134, step time: 0.3708
Batch 248/248, train_loss: 1.0000, step time: 0.3495

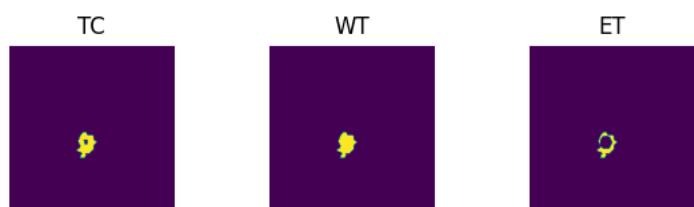
Labels



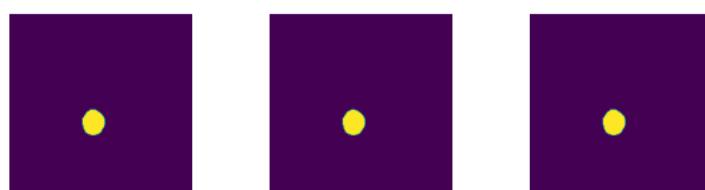
VAL

```
Batch 1/31, val_loss: 0.8842
Batch 2/31, val_loss: 0.9991
Batch 3/31, val_loss: 0.9997
Batch 4/31, val_loss: 0.9930
Batch 5/31, val_loss: 0.9998
Batch 6/31, val_loss: 0.7319
Batch 7/31, val_loss: 0.8641
Batch 8/31, val_loss: 0.9834
Batch 9/31, val_loss: 0.7249
Batch 10/31, val_loss: 0.9710
Batch 11/31, val_loss: 0.8614
Batch 12/31, val_loss: 0.9774
Batch 13/31, val_loss: 0.9930
Batch 14/31, val_loss: 0.9709
Batch 15/31, val_loss: 0.9962
Batch 16/31, val_loss: 0.9912
Batch 17/31, val_loss: 0.9993
Batch 18/31, val_loss: 0.9826
Batch 19/31, val_loss: 0.7891
Batch 20/31, val_loss: 0.8849
Batch 21/31, val_loss: 0.9362
Batch 22/31, val_loss: 0.9978
Batch 23/31, val_loss: 0.9919
Batch 24/31, val_loss: 0.7591
Batch 25/31, val_loss: 0.8202
Batch 26/31, val_loss: 0.9555
Batch 27/31, val_loss: 0.9980
Batch 28/31, val_loss: 0.7924
Batch 29/31, val_loss: 0.9983
Batch 30/31, val_loss: 0.9932
Batch 31/31, val_loss: 0.9941
```

Labels



Predictions



epoch 59

```
average train loss: 0.6215
average validation loss: 0.9299
saved as best model: True
current mean dice: 0.3043
current TC dice: 0.3184
current WT dice: 0.3243
current ET dice: 0.2990
Port-Mon-Metric: 0.2012
```

BEST MEAN METRIC: 0.3045

time consuming of epoch 59 is: 1405.6850

epoch 60/100

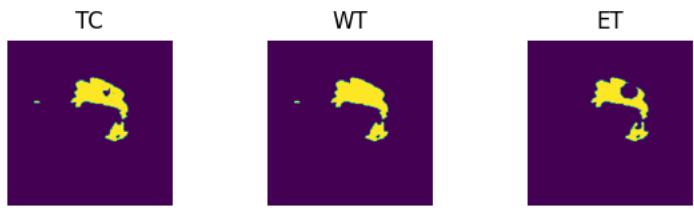
TRAIN

Batch 1/248, train_loss: 0.1187, step time: 0.3879
Batch 2/248, train_loss: 0.9979, step time: 0.3642
Batch 3/248, train_loss: 0.9404, step time: 0.3779
Batch 4/248, train_loss: 0.9998, step time: 0.3514
Batch 5/248, train_loss: 0.7586, step time: 0.3564
Batch 6/248, train_loss: 0.7418, step time: 0.3778
Batch 7/248, train_loss: 0.1189, step time: 0.3854
Batch 8/248, train_loss: 0.7443, step time: 0.3519
Batch 9/248, train_loss: 0.0805, step time: 0.3869
Batch 10/248, train_loss: 0.8834, step time: 0.3753
Batch 11/248, train_loss: 0.7251, step time: 0.3490
Batch 12/248, train_loss: 0.9852, step time: 0.3476
Batch 13/248, train_loss: 0.9547, step time: 0.3794
Batch 14/248, train_loss: 0.0863, step time: 0.3692
Batch 15/248, train_loss: 0.8777, step time: 0.3759
Batch 16/248, train_loss: 0.6709, step time: 0.3600
Batch 17/248, train_loss: 0.9901, step time: 0.3509
Batch 18/248, train_loss: 0.9621, step time: 0.3598
Batch 19/248, train_loss: 0.1702, step time: 0.3805
Batch 20/248, train_loss: 0.6550, step time: 0.3729
Batch 21/248, train_loss: 0.2075, step time: 0.3430
Batch 22/248, train_loss: 0.9999, step time: 0.3503
Batch 23/248, train_loss: 0.9992, step time: 0.3713
Batch 24/248, train_loss: 0.2989, step time: 0.3593
Batch 25/248, train_loss: 0.1149, step time: 0.3765
Batch 26/248, train_loss: 0.9797, step time: 0.3485
Batch 27/248, train_loss: 0.1043, step time: 0.3482
Batch 28/248, train_loss: 0.6374, step time: 0.3456
Batch 29/248, train_loss: 0.9850, step time: 0.3824
Batch 30/248, train_loss: 0.9391, step time: 0.3787
Batch 31/248, train_loss: 0.8876, step time: 0.3829
Batch 32/248, train_loss: 0.2483, step time: 0.3640
Batch 33/248, train_loss: 0.1170, step time: 0.3749
Batch 34/248, train_loss: 0.0879, step time: 0.3784
Batch 35/248, train_loss: 0.2573, step time: 0.3517
Batch 36/248, train_loss: 0.9963, step time: 0.3715
Batch 37/248, train_loss: 0.4028, step time: 0.3587
Batch 38/248, train_loss: 0.8358, step time: 0.3665
Batch 39/248, train_loss: 0.4993, step time: 0.3675
Batch 40/248, train_loss: 0.9994, step time: 0.3427
Batch 41/248, train_loss: 0.2969, step time: 0.3848
Batch 42/248, train_loss: 0.1535, step time: 0.3491
Batch 43/248, train_loss: 0.0944, step time: 0.3449
Batch 44/248, train_loss: 0.4742, step time: 0.3665
Batch 45/248, train_loss: 0.8316, step time: 0.3466
Batch 46/248, train_loss: 0.4819, step time: 0.3596
Batch 47/248, train_loss: 0.6209, step time: 0.3494
Batch 48/248, train_loss: 0.5225, step time: 0.3787
Batch 49/248, train_loss: 0.9683, step time: 0.3533
Batch 50/248, train_loss: 0.6979, step time: 0.3852
Batch 51/248, train_loss: 0.6566, step time: 0.3691
Batch 52/248, train_loss: 0.4755, step time: 0.3604
Batch 53/248, train_loss: 0.8738, step time: 0.3469
Batch 54/248, train_loss: 0.6495, step time: 0.3687
Batch 55/248, train_loss: 0.8698, step time: 0.3449
Batch 56/248, train_loss: 0.7278, step time: 0.3452
Batch 57/248, train_loss: 0.7117, step time: 0.3748
Batch 58/248, train_loss: 0.2169, step time: 0.3579
Batch 59/248, train_loss: 0.3927, step time: 0.3805
Batch 60/248, train_loss: 0.1810, step time: 0.3605
Batch 61/248, train_loss: 0.3140, step time: 0.3866
Batch 62/248, train_loss: 0.8940, step time: 0.3428
Batch 63/248, train_loss: 0.9780, step time: 0.3733
Batch 64/248, train_loss: 0.9751, step time: 0.3612
Batch 65/248, train_loss: 0.7399, step time: 0.3659
Batch 66/248, train_loss: 0.7349, step time: 0.3445
Batch 67/248, train_loss: 0.1678, step time: 0.3461
Batch 68/248, train_loss: 0.2129, step time: 0.3505
Batch 69/248, train_loss: 0.9955, step time: 0.3718
Batch 70/248, train_loss: 0.2628, step time: 0.3458
Batch 71/248, train_loss: 0.2803, step time: 0.3897
Batch 72/248, train_loss: 0.1546, step time: 0.3853
Batch 73/248, train_loss: 0.2959, step time: 0.3455
Batch 74/248, train_loss: 0.9995, step time: 0.3482
Batch 75/248, train_loss: 0.2725, step time: 0.3565
Batch 76/248, train_loss: 0.9908, step time: 0.3706
Batch 77/248, train_loss: 0.9988, step time: 0.3633
Batch 78/248, train_loss: 0.4509, step time: 0.3718
Batch 79/248, train_loss: 0.6726, step time: 0.3583
Batch 80/248, train_loss: 0.7963, step time: 0.3568

Batch 81/248, train_loss: 0.8436, step time: 0.3453
Batch 82/248, train_loss: 0.2151, step time: 0.3661
Batch 83/248, train_loss: 0.9894, step time: 0.3483
Batch 84/248, train_loss: 0.7404, step time: 0.3564
Batch 85/248, train_loss: 0.9865, step time: 0.3876
Batch 86/248, train_loss: 0.5812, step time: 0.3690
Batch 87/248, train_loss: 0.9615, step time: 0.3640
Batch 88/248, train_loss: 0.9660, step time: 0.3534
Batch 89/248, train_loss: 0.1207, step time: 0.3874
Batch 90/248, train_loss: 0.7745, step time: 0.3876
Batch 91/248, train_loss: 0.9871, step time: 0.3429
Batch 92/248, train_loss: 0.6670, step time: 0.3572
Batch 93/248, train_loss: 0.2517, step time: 0.3822
Batch 94/248, train_loss: 0.9814, step time: 0.3441
Batch 95/248, train_loss: 0.4491, step time: 0.3862
Batch 96/248, train_loss: 0.4318, step time: 0.3723
Batch 97/248, train_loss: 1.0000, step time: 0.3482
Batch 98/248, train_loss: 0.2311, step time: 0.3568
Batch 99/248, train_loss: 0.9945, step time: 0.3846
Batch 100/248, train_loss: 0.9911, step time: 0.3654
Batch 101/248, train_loss: 0.0947, step time: 0.3872
Batch 102/248, train_loss: 0.5590, step time: 0.3469
Batch 103/248, train_loss: 0.9894, step time: 0.3687
Batch 104/248, train_loss: 0.4949, step time: 0.3479
Batch 105/248, train_loss: 0.1561, step time: 0.3626
Batch 106/248, train_loss: 0.7303, step time: 0.3728
Batch 107/248, train_loss: 0.9475, step time: 0.3537
Batch 108/248, train_loss: 0.9637, step time: 0.3584
Batch 109/248, train_loss: 0.9979, step time: 0.3517
Batch 110/248, train_loss: 0.8254, step time: 0.3751
Batch 111/248, train_loss: 0.1931, step time: 0.3546
Batch 112/248, train_loss: 0.2149, step time: 0.3436
Batch 113/248, train_loss: 0.9999, step time: 0.3806
Batch 114/248, train_loss: 0.2289, step time: 0.3462
Batch 115/248, train_loss: 0.5403, step time: 0.3464
Batch 116/248, train_loss: 0.1536, step time: 0.3635
Batch 117/248, train_loss: 0.9897, step time: 0.3837
Batch 118/248, train_loss: 0.9661, step time: 0.3696
Batch 119/248, train_loss: 0.6072, step time: 0.3750
Batch 120/248, train_loss: 0.6641, step time: 0.3648
Batch 121/248, train_loss: 0.8911, step time: 0.3748
Batch 122/248, train_loss: 0.9383, step time: 0.3695
Batch 123/248, train_loss: 0.2405, step time: 0.3755
Batch 124/248, train_loss: 0.9505, step time: 0.3475
Batch 125/248, train_loss: 0.9880, step time: 0.3568
Batch 126/248, train_loss: 0.4622, step time: 0.3897
Batch 127/248, train_loss: 0.5660, step time: 0.3461
Batch 128/248, train_loss: 0.8137, step time: 0.3600
Batch 129/248, train_loss: 0.1516, step time: 0.3446
Batch 130/248, train_loss: 0.2102, step time: 0.3495
Batch 131/248, train_loss: 0.9379, step time: 0.3445
Batch 132/248, train_loss: 0.9285, step time: 0.3814
Batch 133/248, train_loss: 0.2056, step time: 0.3453
Batch 134/248, train_loss: 1.0000, step time: 0.3499
Batch 135/248, train_loss: 0.9567, step time: 0.3515
Batch 136/248, train_loss: 0.7496, step time: 0.3842
Batch 137/248, train_loss: 0.1731, step time: 0.3592
Batch 138/248, train_loss: 0.1488, step time: 0.3567
Batch 139/248, train_loss: 0.2609, step time: 0.3880
Batch 140/248, train_loss: 0.7334, step time: 0.3712
Batch 141/248, train_loss: 0.3268, step time: 0.3503
Batch 142/248, train_loss: 0.9961, step time: 0.3428
Batch 143/248, train_loss: 0.7660, step time: 0.3467
Batch 144/248, train_loss: 0.1996, step time: 0.3845
Batch 145/248, train_loss: 0.1442, step time: 0.3495
Batch 146/248, train_loss: 0.9992, step time: 0.3522
Batch 147/248, train_loss: 0.0853, step time: 0.3587
Batch 148/248, train_loss: 0.9693, step time: 0.3661
Batch 149/248, train_loss: 0.4913, step time: 0.3666
Batch 150/248, train_loss: 0.5637, step time: 0.3786
Batch 151/248, train_loss: 0.9289, step time: 0.3460
Batch 152/248, train_loss: 0.0821, step time: 0.3775
Batch 153/248, train_loss: 0.9083, step time: 0.3609
Batch 154/248, train_loss: 0.9788, step time: 0.3795
Batch 155/248, train_loss: 0.5314, step time: 0.3447
Batch 156/248, train_loss: 0.5595, step time: 0.3850
Batch 157/248, train_loss: 0.4090, step time: 0.3775
Batch 158/248, train_loss: 0.9989, step time: 0.3465
Batch 159/248, train_loss: 0.9943, step time: 0.3762
Batch 160/248, train_loss: 0.2868, step time: 0.3601
Batch 161/248, train_loss: 0.4783, step time: 0.3866
Batch 162/248, train_loss: 0.1372, step time: 0.3499
Batch 163/248, train_loss: 0.9496, step time: 0.3504
Batch 164/248, train_loss: 0.6076, step time: 0.3672
Batch 165/248, train_loss: 0.9985, step time: 0.3644

Batch 166/248, train_loss: 0.8706, step time: 0.3793
Batch 167/248, train_loss: 0.6486, step time: 0.3668
Batch 168/248, train_loss: 0.5567, step time: 0.3436
Batch 169/248, train_loss: 0.2743, step time: 0.3591
Batch 170/248, train_loss: 0.9883, step time: 0.3508
Batch 171/248, train_loss: 0.1262, step time: 0.3667
Batch 172/248, train_loss: 0.9992, step time: 0.3452
Batch 173/248, train_loss: 0.1927, step time: 0.3790
Batch 174/248, train_loss: 0.9784, step time: 0.3567
Batch 175/248, train_loss: 0.2092, step time: 0.3524
Batch 176/248, train_loss: 0.7371, step time: 0.3848
Batch 177/248, train_loss: 0.9944, step time: 0.3536
Batch 178/248, train_loss: 0.3433, step time: 0.3840
Batch 179/248, train_loss: 0.1263, step time: 0.3797
Batch 180/248, train_loss: 0.5604, step time: 0.3493
Batch 181/248, train_loss: 0.1556, step time: 0.3440
Batch 182/248, train_loss: 0.9398, step time: 0.3678
Batch 183/248, train_loss: 0.5392, step time: 0.3677
Batch 184/248, train_loss: 0.9043, step time: 0.3839
Batch 185/248, train_loss: 0.5425, step time: 0.3466
Batch 186/248, train_loss: 0.2614, step time: 0.3655
Batch 187/248, train_loss: 0.3356, step time: 0.3494
Batch 188/248, train_loss: 0.5931, step time: 0.3596
Batch 189/248, train_loss: 0.9968, step time: 0.3794
Batch 190/248, train_loss: 0.3628, step time: 0.3663
Batch 191/248, train_loss: 0.9963, step time: 0.3624
Batch 192/248, train_loss: 0.4406, step time: 0.3761
Batch 193/248, train_loss: 0.8034, step time: 0.3813
Batch 194/248, train_loss: 0.6902, step time: 0.3889
Batch 195/248, train_loss: 0.9998, step time: 0.3641
Batch 196/248, train_loss: 0.9999, step time: 0.3667
Batch 197/248, train_loss: 0.8184, step time: 0.3485
Batch 198/248, train_loss: 0.9999, step time: 0.3675
Batch 199/248, train_loss: 0.6089, step time: 0.3508
Batch 200/248, train_loss: 0.4840, step time: 0.3831
Batch 201/248, train_loss: 0.2738, step time: 0.3682
Batch 202/248, train_loss: 0.7740, step time: 0.3790
Batch 203/248, train_loss: 0.9876, step time: 0.3839
Batch 204/248, train_loss: 0.1691, step time: 0.3697
Batch 205/248, train_loss: 0.8949, step time: 0.3899
Batch 206/248, train_loss: 0.9941, step time: 0.3849
Batch 207/248, train_loss: 0.1805, step time: 0.3768
Batch 208/248, train_loss: 0.5148, step time: 0.3524
Batch 209/248, train_loss: 0.3827, step time: 0.3888
Batch 210/248, train_loss: 0.1658, step time: 0.3632
Batch 211/248, train_loss: 0.1726, step time: 0.3739
Batch 212/248, train_loss: 0.7533, step time: 0.3475
Batch 213/248, train_loss: 0.7256, step time: 0.3651
Batch 214/248, train_loss: 0.3093, step time: 0.3448
Batch 215/248, train_loss: 0.8307, step time: 0.3688
Batch 216/248, train_loss: 0.2795, step time: 0.3778
Batch 217/248, train_loss: 0.9053, step time: 0.3469
Batch 218/248, train_loss: 0.9945, step time: 0.3699
Batch 219/248, train_loss: 0.2618, step time: 0.3905
Batch 220/248, train_loss: 0.8162, step time: 0.3786
Batch 221/248, train_loss: 0.8106, step time: 0.3630
Batch 222/248, train_loss: 0.2834, step time: 0.3445
Batch 223/248, train_loss: 0.0947, step time: 0.3798
Batch 224/248, train_loss: 0.1652, step time: 0.3759
Batch 225/248, train_loss: 0.9812, step time: 0.3534
Batch 226/248, train_loss: 0.9386, step time: 0.3533
Batch 227/248, train_loss: 0.3127, step time: 0.3640
Batch 228/248, train_loss: 0.7955, step time: 0.3873
Batch 229/248, train_loss: 0.1654, step time: 0.3702
Batch 230/248, train_loss: 0.2916, step time: 0.3464
Batch 231/248, train_loss: 0.9995, step time: 0.3581
Batch 232/248, train_loss: 0.2730, step time: 0.3866
Batch 233/248, train_loss: 0.9999, step time: 0.3457
Batch 234/248, train_loss: 0.9833, step time: 0.3451
Batch 235/248, train_loss: 0.9852, step time: 0.3784
Batch 236/248, train_loss: 0.9988, step time: 0.3620
Batch 237/248, train_loss: 0.2286, step time: 0.3749
Batch 238/248, train_loss: 0.2357, step time: 0.3595
Batch 239/248, train_loss: 0.0989, step time: 0.3520
Batch 240/248, train_loss: 0.7319, step time: 0.3899
Batch 241/248, train_loss: 1.0000, step time: 0.3823
Batch 242/248, train_loss: 0.8744, step time: 0.3494
Batch 243/248, train_loss: 0.9997, step time: 0.3524
Batch 244/248, train_loss: 0.9960, step time: 0.3767
Batch 245/248, train_loss: 0.2028, step time: 0.3446
Batch 246/248, train_loss: 0.9839, step time: 0.3828
Batch 247/248, train_loss: 0.1170, step time: 0.3789
Batch 248/248, train_loss: 1.0000, step time: 0.3642

Labels



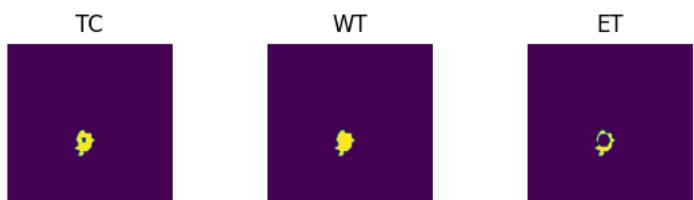
Predictions



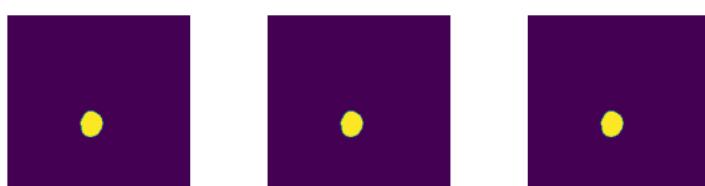
VAL

```
Batch 1/31, val_loss: 0.8820
Batch 2/31, val_loss: 0.9994
Batch 3/31, val_loss: 0.9963
Batch 4/31, val_loss: 0.9929
Batch 5/31, val_loss: 0.9999
Batch 6/31, val_loss: 0.7376
Batch 7/31, val_loss: 0.8670
Batch 8/31, val_loss: 0.9821
Batch 9/31, val_loss: 0.7344
Batch 10/31, val_loss: 0.9775
Batch 11/31, val_loss: 0.8625
Batch 12/31, val_loss: 0.9775
Batch 13/31, val_loss: 0.9863
Batch 14/31, val_loss: 0.9707
Batch 15/31, val_loss: 0.9989
Batch 16/31, val_loss: 0.9913
Batch 17/31, val_loss: 0.9993
Batch 18/31, val_loss: 0.9845
Batch 19/31, val_loss: 0.7756
Batch 20/31, val_loss: 0.8826
Batch 21/31, val_loss: 0.9343
Batch 22/31, val_loss: 0.9986
Batch 23/31, val_loss: 0.9924
Batch 24/31, val_loss: 0.7632
Batch 25/31, val_loss: 0.8203
Batch 26/31, val_loss: 0.9542
Batch 27/31, val_loss: 0.9975
Batch 28/31, val_loss: 0.7934
Batch 29/31, val_loss: 0.9973
Batch 30/31, val_loss: 0.9936
Batch 31/31, val_loss: 0.9937
```

Labels



Predictions



epoch 60

```
average train loss: 0.6183
average validation loss: 0.9302
saved as best model: False
current mean dice: 0.3018
current TC dice: 0.3159
current WT dice: 0.3219
current ET dice: 0.2962
```

Best Mean Metric: 0.3043
time consuming of epoch 60 is: 1397.4537

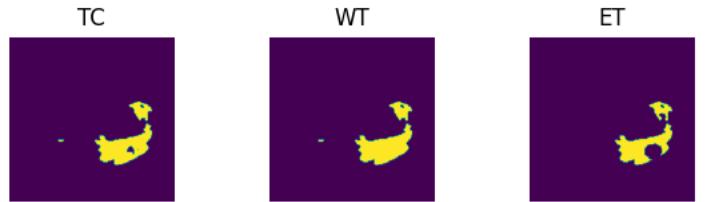
epoch 61/100

TRAIN
Batch 1/248, train_loss: 0.1255, step time: 0.3586
Batch 2/248, train_loss: 0.9993, step time: 0.3930
Batch 3/248, train_loss: 0.9381, step time: 0.3847
Batch 4/248, train_loss: 0.9999, step time: 0.3833
Batch 5/248, train_loss: 0.7459, step time: 0.3765
Batch 6/248, train_loss: 0.7617, step time: 0.3817
Batch 7/248, train_loss: 0.1197, step time: 0.3645
Batch 8/248, train_loss: 0.7534, step time: 0.3703
Batch 9/248, train_loss: 0.0779, step time: 0.3561
Batch 10/248, train_loss: 0.8788, step time: 0.3724
Batch 11/248, train_loss: 0.7132, step time: 0.3585
Batch 12/248, train_loss: 0.9878, step time: 0.3851
Batch 13/248, train_loss: 0.9518, step time: 0.3756
Batch 14/248, train_loss: 0.0816, step time: 0.3892
Batch 15/248, train_loss: 0.8772, step time: 0.3843
Batch 16/248, train_loss: 0.6511, step time: 0.3779
Batch 17/248, train_loss: 0.9974, step time: 0.3845
Batch 18/248, train_loss: 0.9674, step time: 0.3446
Batch 19/248, train_loss: 0.1623, step time: 0.3638
Batch 20/248, train_loss: 0.6417, step time: 0.3886
Batch 21/248, train_loss: 0.1952, step time: 0.3444
Batch 22/248, train_loss: 0.9996, step time: 0.3727
Batch 23/248, train_loss: 0.9999, step time: 0.3600
Batch 24/248, train_loss: 0.2846, step time: 0.3620
Batch 25/248, train_loss: 0.1195, step time: 0.3837
Batch 26/248, train_loss: 0.9718, step time: 0.3546
Batch 27/248, train_loss: 0.1137, step time: 0.3876
Batch 28/248, train_loss: 0.6226, step time: 0.3511
Batch 29/248, train_loss: 0.9875, step time: 0.3843
Batch 30/248, train_loss: 0.7618, step time: 0.3595
Batch 31/248, train_loss: 0.8657, step time: 0.3794
Batch 32/248, train_loss: 0.2520, step time: 0.3707
Batch 33/248, train_loss: 0.1073, step time: 0.3434
Batch 34/248, train_loss: 0.0918, step time: 0.3593
Batch 35/248, train_loss: 0.2389, step time: 0.3810
Batch 36/248, train_loss: 0.9989, step time: 0.3671
Batch 37/248, train_loss: 0.4232, step time: 0.3650
Batch 38/248, train_loss: 0.8223, step time: 0.3463
Batch 39/248, train_loss: 0.4762, step time: 0.3791
Batch 40/248, train_loss: 1.0000, step time: 0.3856
Batch 41/248, train_loss: 0.3018, step time: 0.3447
Batch 42/248, train_loss: 0.1554, step time: 0.3863
Batch 43/248, train_loss: 0.1125, step time: 0.3639
Batch 44/248, train_loss: 0.6303, step time: 0.3548
Batch 45/248, train_loss: 0.8230, step time: 0.3477
Batch 46/248, train_loss: 0.4783, step time: 0.3777
Batch 47/248, train_loss: 0.5995, step time: 0.3491
Batch 48/248, train_loss: 0.5881, step time: 0.3894
Batch 49/248, train_loss: 0.9670, step time: 0.3837
Batch 50/248, train_loss: 0.6888, step time: 0.3493
Batch 51/248, train_loss: 0.6392, step time: 0.3477
Batch 52/248, train_loss: 0.5083, step time: 0.3492
Batch 53/248, train_loss: 0.8607, step time: 0.3772
Batch 54/248, train_loss: 0.6443, step time: 0.3663
Batch 55/248, train_loss: 0.8640, step time: 0.3485
Batch 56/248, train_loss: 0.6541, step time: 0.3698
Batch 57/248, train_loss: 0.7008, step time: 0.3775
Batch 58/248, train_loss: 0.1899, step time: 0.3450
Batch 59/248, train_loss: 0.2860, step time: 0.3571
Batch 60/248, train_loss: 0.1575, step time: 0.3844
Batch 61/248, train_loss: 0.3022, step time: 0.3881
Batch 62/248, train_loss: 0.8921, step time: 0.3574
Batch 63/248, train_loss: 0.9771, step time: 0.3441
Batch 64/248, train_loss: 0.9714, step time: 0.3451
Batch 65/248, train_loss: 0.6817, step time: 0.3876
Batch 66/248, train_loss: 0.6608, step time: 0.3804
Batch 67/248, train_loss: 0.1452, step time: 0.3583
Batch 68/248, train_loss: 0.1888, step time: 0.3586
Batch 69/248, train_loss: 0.9996, step time: 0.3871
Batch 70/248, train_loss: 0.2580, step time: 0.3561
Batch 71/248, train_loss: 0.2889, step time: 0.3655
Batch 72/248, train_loss: 0.1563, step time: 0.3453
Batch 73/248, train_loss: 0.2619, step time: 0.3687
Batch 74/248, train_loss: 0.9987, step time: 0.3669
Batch 75/248, train_loss: 0.2755, step time: 0.3470
Batch 76/248, train_loss: 0.9865, step time: 0.3803
Batch 77/248, train_loss: 0.9974, step time: 0.3854
Batch 78/248, train_loss: 0.4216, step time: 0.3533
Batch 79/248, train_loss: 0.6107, step time: 0.3506
Batch 80/248, train_loss: 0.7912, step time: 0.3898

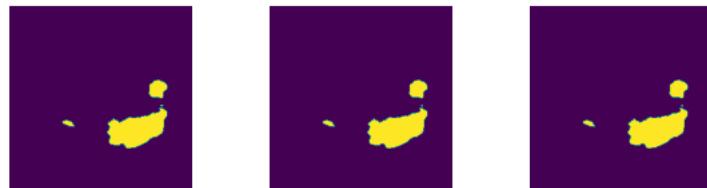
Batch 81/248, train_loss: 0.8365, step time: 0.3859
Batch 82/248, train_loss: 0.2122, step time: 0.3446
Batch 83/248, train_loss: 0.9796, step time: 0.3479
Batch 84/248, train_loss: 0.6681, step time: 0.3833
Batch 85/248, train_loss: 0.9841, step time: 0.3445
Batch 86/248, train_loss: 0.3622, step time: 0.3453
Batch 87/248, train_loss: 0.9885, step time: 0.3887
Batch 88/248, train_loss: 0.9666, step time: 0.3458
Batch 89/248, train_loss: 0.1462, step time: 0.3824
Batch 90/248, train_loss: 0.7416, step time: 0.3482
Batch 91/248, train_loss: 0.9839, step time: 0.3542
Batch 92/248, train_loss: 0.6702, step time: 0.3852
Batch 93/248, train_loss: 0.2826, step time: 0.3819
Batch 94/248, train_loss: 0.9797, step time: 0.3547
Batch 95/248, train_loss: 0.4085, step time: 0.3838
Batch 96/248, train_loss: 0.4271, step time: 0.3894
Batch 97/248, train_loss: 0.9999, step time: 0.3593
Batch 98/248, train_loss: 0.2324, step time: 0.3767
Batch 99/248, train_loss: 0.9511, step time: 0.3524
Batch 100/248, train_loss: 0.9860, step time: 0.3887
Batch 101/248, train_loss: 0.0856, step time: 0.3425
Batch 102/248, train_loss: 0.5082, step time: 0.3443
Batch 103/248, train_loss: 0.9790, step time: 0.3687
Batch 104/248, train_loss: 0.4923, step time: 0.3604
Batch 105/248, train_loss: 0.1468, step time: 0.3752
Batch 106/248, train_loss: 0.7314, step time: 0.3619
Batch 107/248, train_loss: 0.9367, step time: 0.3728
Batch 108/248, train_loss: 0.9628, step time: 0.3678
Batch 109/248, train_loss: 0.9957, step time: 0.3446
Batch 110/248, train_loss: 0.8646, step time: 0.3631
Batch 111/248, train_loss: 0.1801, step time: 0.3851
Batch 112/248, train_loss: 0.2856, step time: 0.3565
Batch 113/248, train_loss: 0.9999, step time: 0.3496
Batch 114/248, train_loss: 0.2308, step time: 0.3613
Batch 115/248, train_loss: 0.5481, step time: 0.3833
Batch 116/248, train_loss: 0.1267, step time: 0.3524
Batch 117/248, train_loss: 0.9915, step time: 0.3644
Batch 118/248, train_loss: 0.9820, step time: 0.3886
Batch 119/248, train_loss: 0.6655, step time: 0.3611
Batch 120/248, train_loss: 0.7013, step time: 0.3699
Batch 121/248, train_loss: 0.9028, step time: 0.3704
Batch 122/248, train_loss: 0.9506, step time: 0.3911
Batch 123/248, train_loss: 0.2566, step time: 0.3602
Batch 124/248, train_loss: 0.9439, step time: 0.3832
Batch 125/248, train_loss: 0.9863, step time: 0.3656
Batch 126/248, train_loss: 0.3415, step time: 0.3530
Batch 127/248, train_loss: 0.5591, step time: 0.3880
Batch 128/248, train_loss: 0.8263, step time: 0.3828
Batch 129/248, train_loss: 0.1751, step time: 0.3823
Batch 130/248, train_loss: 0.1839, step time: 0.3449
Batch 131/248, train_loss: 0.9279, step time: 0.3752
Batch 132/248, train_loss: 0.9492, step time: 0.3854
Batch 133/248, train_loss: 0.2274, step time: 0.3573
Batch 134/248, train_loss: 1.0000, step time: 0.3829
Batch 135/248, train_loss: 0.9789, step time: 0.3612
Batch 136/248, train_loss: 0.7706, step time: 0.3869
Batch 137/248, train_loss: 0.1778, step time: 0.3774
Batch 138/248, train_loss: 0.1541, step time: 0.3661
Batch 139/248, train_loss: 0.2220, step time: 0.3904
Batch 140/248, train_loss: 0.7327, step time: 0.3833
Batch 141/248, train_loss: 0.2823, step time: 0.3756
Batch 142/248, train_loss: 0.9976, step time: 0.3852
Batch 143/248, train_loss: 0.7548, step time: 0.3648
Batch 144/248, train_loss: 0.2180, step time: 0.3514
Batch 145/248, train_loss: 0.0999, step time: 0.3758
Batch 146/248, train_loss: 0.9994, step time: 0.3522
Batch 147/248, train_loss: 0.0797, step time: 0.3735
Batch 148/248, train_loss: 0.9720, step time: 0.3892
Batch 149/248, train_loss: 0.4635, step time: 0.3894
Batch 150/248, train_loss: 0.5715, step time: 0.3686
Batch 151/248, train_loss: 0.9536, step time: 0.3483
Batch 152/248, train_loss: 0.0789, step time: 0.3450
Batch 153/248, train_loss: 0.9229, step time: 0.3889
Batch 154/248, train_loss: 0.9828, step time: 0.3851
Batch 155/248, train_loss: 0.4844, step time: 0.3891
Batch 156/248, train_loss: 0.5435, step time: 0.3716
Batch 157/248, train_loss: 0.4236, step time: 0.3474
Batch 158/248, train_loss: 0.9989, step time: 0.3496
Batch 159/248, train_loss: 0.9945, step time: 0.3746
Batch 160/248, train_loss: 0.2450, step time: 0.3798
Batch 161/248, train_loss: 0.4761, step time: 0.3787
Batch 162/248, train_loss: 0.1679, step time: 0.3466
Batch 163/248, train_loss: 0.9495, step time: 0.3630
Batch 164/248, train_loss: 0.6177, step time: 0.3903
Batch 165/248, train_loss: 0.9985, step time: 0.3446

Batch 166/248, train_loss: 0.8571, step time: 0.3707
Batch 167/248, train_loss: 0.6398, step time: 0.3900
Batch 168/248, train_loss: 0.5583, step time: 0.3731
Batch 169/248, train_loss: 0.2866, step time: 0.3768
Batch 170/248, train_loss: 0.9769, step time: 0.3442
Batch 171/248, train_loss: 0.1208, step time: 0.3438
Batch 172/248, train_loss: 0.9985, step time: 0.3422
Batch 173/248, train_loss: 0.2550, step time: 0.3785
Batch 174/248, train_loss: 0.9838, step time: 0.3499
Batch 175/248, train_loss: 0.2098, step time: 0.3814
Batch 176/248, train_loss: 0.7342, step time: 0.3586
Batch 177/248, train_loss: 0.9919, step time: 0.3522
Batch 178/248, train_loss: 0.3473, step time: 0.3485
Batch 179/248, train_loss: 0.1379, step time: 0.3654
Batch 180/248, train_loss: 0.5638, step time: 0.3789
Batch 181/248, train_loss: 0.1648, step time: 0.3432
Batch 182/248, train_loss: 0.9408, step time: 0.3433
Batch 183/248, train_loss: 0.5144, step time: 0.3889
Batch 184/248, train_loss: 0.8960, step time: 0.3629
Batch 185/248, train_loss: 0.5303, step time: 0.3707
Batch 186/248, train_loss: 0.2347, step time: 0.3611
Batch 187/248, train_loss: 0.2999, step time: 0.3813
Batch 188/248, train_loss: 0.5789, step time: 0.3580
Batch 189/248, train_loss: 0.9993, step time: 0.3528
Batch 190/248, train_loss: 0.3566, step time: 0.3529
Batch 191/248, train_loss: 0.9987, step time: 0.3671
Batch 192/248, train_loss: 0.4615, step time: 0.3440
Batch 193/248, train_loss: 0.7703, step time: 0.3856
Batch 194/248, train_loss: 0.6681, step time: 0.3598
Batch 195/248, train_loss: 0.9998, step time: 0.3737
Batch 196/248, train_loss: 0.9998, step time: 0.3872
Batch 197/248, train_loss: 0.8133, step time: 0.3671
Batch 198/248, train_loss: 1.0000, step time: 0.3422
Batch 199/248, train_loss: 0.6045, step time: 0.3516
Batch 200/248, train_loss: 0.4522, step time: 0.3843
Batch 201/248, train_loss: 0.2617, step time: 0.3577
Batch 202/248, train_loss: 0.7787, step time: 0.3670
Batch 203/248, train_loss: 0.9971, step time: 0.3770
Batch 204/248, train_loss: 0.1773, step time: 0.3836
Batch 205/248, train_loss: 0.8943, step time: 0.3746
Batch 206/248, train_loss: 0.9930, step time: 0.3789
Batch 207/248, train_loss: 0.1667, step time: 0.3453
Batch 208/248, train_loss: 0.4915, step time: 0.3576
Batch 209/248, train_loss: 0.3643, step time: 0.3686
Batch 210/248, train_loss: 0.1508, step time: 0.3887
Batch 211/248, train_loss: 0.1717, step time: 0.3869
Batch 212/248, train_loss: 0.7441, step time: 0.3782
Batch 213/248, train_loss: 0.7190, step time: 0.3814
Batch 214/248, train_loss: 0.2864, step time: 0.3895
Batch 215/248, train_loss: 0.8124, step time: 0.3469
Batch 216/248, train_loss: 0.2787, step time: 0.3475
Batch 217/248, train_loss: 0.9221, step time: 0.3461
Batch 218/248, train_loss: 0.9937, step time: 0.3607
Batch 219/248, train_loss: 0.2486, step time: 0.3619
Batch 220/248, train_loss: 0.8071, step time: 0.3520
Batch 221/248, train_loss: 0.8061, step time: 0.3653
Batch 222/248, train_loss: 0.2928, step time: 0.3763
Batch 223/248, train_loss: 0.0999, step time: 0.3509
Batch 224/248, train_loss: 0.1713, step time: 0.3505
Batch 225/248, train_loss: 0.9795, step time: 0.3704
Batch 226/248, train_loss: 0.9039, step time: 0.3447
Batch 227/248, train_loss: 0.3103, step time: 0.3887
Batch 228/248, train_loss: 0.7889, step time: 0.3762
Batch 229/248, train_loss: 0.1791, step time: 0.3892
Batch 230/248, train_loss: 0.2870, step time: 0.3553
Batch 231/248, train_loss: 0.9993, step time: 0.3743
Batch 232/248, train_loss: 0.2597, step time: 0.3435
Batch 233/248, train_loss: 0.9999, step time: 0.3441
Batch 234/248, train_loss: 0.9957, step time: 0.3506
Batch 235/248, train_loss: 0.9730, step time: 0.3609
Batch 236/248, train_loss: 0.9990, step time: 0.3772
Batch 237/248, train_loss: 0.2352, step time: 0.3832
Batch 238/248, train_loss: 0.2169, step time: 0.3659
Batch 239/248, train_loss: 0.0942, step time: 0.3534
Batch 240/248, train_loss: 0.7213, step time: 0.3452
Batch 241/248, train_loss: 0.9998, step time: 0.3847
Batch 242/248, train_loss: 0.8698, step time: 0.3870
Batch 243/248, train_loss: 0.9957, step time: 0.3779
Batch 244/248, train_loss: 0.9773, step time: 0.3571
Batch 245/248, train_loss: 0.2090, step time: 0.3700
Batch 246/248, train_loss: 0.9868, step time: 0.3465
Batch 247/248, train_loss: 0.1203, step time: 0.3877
Batch 248/248, train_loss: 1.0000, step time: 0.3797

Labels



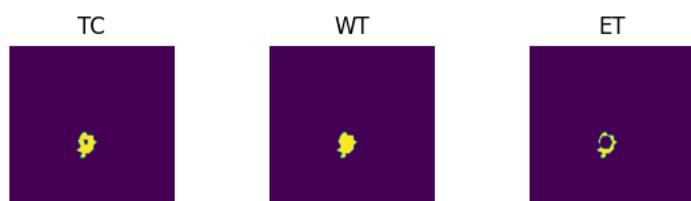
Predictions



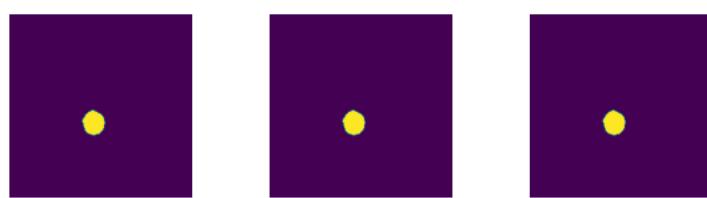
VAL

```
Batch 1/31, val_loss: 0.8865
Batch 2/31, val_loss: 0.9993
Batch 3/31, val_loss: 0.9850
Batch 4/31, val_loss: 0.9910
Batch 5/31, val_loss: 0.9998
Batch 6/31, val_loss: 0.7420
Batch 7/31, val_loss: 0.8651
Batch 8/31, val_loss: 0.9811
Batch 9/31, val_loss: 0.7349
Batch 10/31, val_loss: 0.9750
Batch 11/31, val_loss: 0.8560
Batch 12/31, val_loss: 0.9774
Batch 13/31, val_loss: 0.9933
Batch 14/31, val_loss: 0.9698
Batch 15/31, val_loss: 0.9998
Batch 16/31, val_loss: 0.9900
Batch 17/31, val_loss: 0.9994
Batch 18/31, val_loss: 0.9771
Batch 19/31, val_loss: 0.7787
Batch 20/31, val_loss: 0.8837
Batch 21/31, val_loss: 0.9364
Batch 22/31, val_loss: 0.9958
Batch 23/31, val_loss: 0.9920
Batch 24/31, val_loss: 0.7608
Batch 25/31, val_loss: 0.8172
Batch 26/31, val_loss: 0.9534
Batch 27/31, val_loss: 0.9975
Batch 28/31, val_loss: 0.7899
Batch 29/31, val_loss: 0.9957
Batch 30/31, val_loss: 0.9955
Batch 31/31, val_loss: 0.9940
```

Labels



Predictions



epoch 61

```
average train loss: 0.6126
average validation loss: 0.9295
saved as best model: False
current mean dice: 0.3038
current TC dice: 0.3180
current WT dice: 0.3236
current ET dice: 0.2986
```

Best Mean Metric: 0.3043
time consuming of epoch 61 is: 1405.1428

epoch 62/100

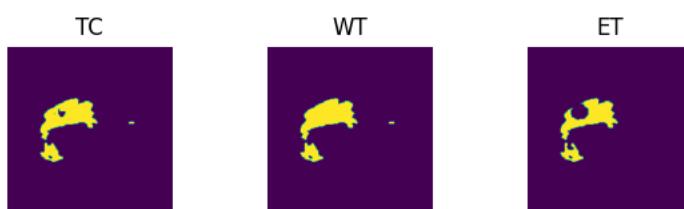
TRAIN

Batch 1/248, train_loss: 0.1176, step time: 0.3630
Batch 2/248, train_loss: 0.9981, step time: 0.3836
Batch 3/248, train_loss: 0.9324, step time: 0.3867
Batch 4/248, train_loss: 0.9996, step time: 0.3640
Batch 5/248, train_loss: 0.7519, step time: 0.3762
Batch 6/248, train_loss: 0.7772, step time: 0.3446
Batch 7/248, train_loss: 0.1361, step time: 0.3443
Batch 8/248, train_loss: 0.7447, step time: 0.3828
Batch 9/248, train_loss: 0.0757, step time: 0.3618
Batch 10/248, train_loss: 0.8694, step time: 0.3661
Batch 11/248, train_loss: 0.7051, step time: 0.3800
Batch 12/248, train_loss: 0.9944, step time: 0.3601
Batch 13/248, train_loss: 0.9487, step time: 0.3423
Batch 14/248, train_loss: 0.0832, step time: 0.3808
Batch 15/248, train_loss: 0.8655, step time: 0.3457
Batch 16/248, train_loss: 0.6527, step time: 0.3461
Batch 17/248, train_loss: 0.9882, step time: 0.3457
Batch 18/248, train_loss: 0.9743, step time: 0.3746
Batch 19/248, train_loss: 0.1642, step time: 0.3794
Batch 20/248, train_loss: 0.6443, step time: 0.3842
Batch 21/248, train_loss: 0.1974, step time: 0.3630
Batch 22/248, train_loss: 0.9999, step time: 0.3805
Batch 23/248, train_loss: 0.9998, step time: 0.3507
Batch 24/248, train_loss: 0.2673, step time: 0.3509
Batch 25/248, train_loss: 0.1215, step time: 0.3506
Batch 26/248, train_loss: 0.9776, step time: 0.3509
Batch 27/248, train_loss: 0.1049, step time: 0.3862
Batch 28/248, train_loss: 0.6393, step time: 0.3481
Batch 29/248, train_loss: 0.9844, step time: 0.3852
Batch 30/248, train_loss: 0.6883, step time: 0.3784
Batch 31/248, train_loss: 0.8578, step time: 0.3883
Batch 32/248, train_loss: 0.2302, step time: 0.3750
Batch 33/248, train_loss: 0.1183, step time: 0.3858
Batch 34/248, train_loss: 0.0868, step time: 0.3444
Batch 35/248, train_loss: 0.2219, step time: 0.3807
Batch 36/248, train_loss: 0.9974, step time: 0.3634
Batch 37/248, train_loss: 0.4169, step time: 0.3507
Batch 38/248, train_loss: 0.8085, step time: 0.3461
Batch 39/248, train_loss: 0.5060, step time: 0.3575
Batch 40/248, train_loss: 0.9980, step time: 0.3820
Batch 41/248, train_loss: 0.2863, step time: 0.3634
Batch 42/248, train_loss: 0.1375, step time: 0.3707
Batch 43/248, train_loss: 0.1089, step time: 0.3749
Batch 44/248, train_loss: 0.5998, step time: 0.3830
Batch 45/248, train_loss: 0.8501, step time: 0.3890
Batch 46/248, train_loss: 0.4655, step time: 0.3472
Batch 47/248, train_loss: 0.5947, step time: 0.3477
Batch 48/248, train_loss: 0.5698, step time: 0.3837
Batch 49/248, train_loss: 0.9744, step time: 0.3738
Batch 50/248, train_loss: 0.6750, step time: 0.3488
Batch 51/248, train_loss: 0.6504, step time: 0.3460
Batch 52/248, train_loss: 0.4594, step time: 0.3837
Batch 53/248, train_loss: 0.8761, step time: 0.3502
Batch 54/248, train_loss: 0.6474, step time: 0.3735
Batch 55/248, train_loss: 0.8556, step time: 0.3795
Batch 56/248, train_loss: 0.6949, step time: 0.3438
Batch 57/248, train_loss: 0.6989, step time: 0.3648
Batch 58/248, train_loss: 0.1929, step time: 0.3840
Batch 59/248, train_loss: 0.2810, step time: 0.3705
Batch 60/248, train_loss: 0.1556, step time: 0.3818
Batch 61/248, train_loss: 0.2928, step time: 0.3484
Batch 62/248, train_loss: 0.8838, step time: 0.3875
Batch 63/248, train_loss: 0.9824, step time: 0.3876
Batch 64/248, train_loss: 0.9792, step time: 0.3440
Batch 65/248, train_loss: 0.7054, step time: 0.3853
Batch 66/248, train_loss: 0.6763, step time: 0.3467
Batch 67/248, train_loss: 0.1465, step time: 0.3573
Batch 68/248, train_loss: 0.1954, step time: 0.3448
Batch 69/248, train_loss: 0.9990, step time: 0.3575
Batch 70/248, train_loss: 0.2566, step time: 0.3717
Batch 71/248, train_loss: 0.3089, step time: 0.3830
Batch 72/248, train_loss: 0.1575, step time: 0.3776
Batch 73/248, train_loss: 0.4818, step time: 0.3454
Batch 74/248, train_loss: 0.9993, step time: 0.3490
Batch 75/248, train_loss: 0.2616, step time: 0.3843
Batch 76/248, train_loss: 0.9808, step time: 0.3865
Batch 77/248, train_loss: 0.9972, step time: 0.3461
Batch 78/248, train_loss: 0.4364, step time: 0.3445
Batch 79/248, train_loss: 0.6500, step time: 0.3650
Batch 80/248, train_loss: 0.9299, step time: 0.3452

Batch 80/248, train_loss: 0.0200, step time: 0.3452
Batch 81/248, train_loss: 0.8777, step time: 0.3878
Batch 82/248, train_loss: 0.2179, step time: 0.3749
Batch 83/248, train_loss: 0.9826, step time: 0.3689
Batch 84/248, train_loss: 0.6477, step time: 0.3662
Batch 85/248, train_loss: 0.9887, step time: 0.3862
Batch 86/248, train_loss: 0.6084, step time: 0.3772
Batch 87/248, train_loss: 0.9719, step time: 0.3464
Batch 88/248, train_loss: 0.9615, step time: 0.3795
Batch 89/248, train_loss: 0.1667, step time: 0.3515
Batch 90/248, train_loss: 0.7504, step time: 0.3448
Batch 91/248, train_loss: 0.9807, step time: 0.3751
Batch 92/248, train_loss: 0.7049, step time: 0.3481
Batch 93/248, train_loss: 0.2522, step time: 0.3746
Batch 94/248, train_loss: 0.9852, step time: 0.3415
Batch 95/248, train_loss: 0.4015, step time: 0.3689
Batch 96/248, train_loss: 0.4092, step time: 0.3828
Batch 97/248, train_loss: 1.0000, step time: 0.3414
Batch 98/248, train_loss: 0.2369, step time: 0.3667
Batch 99/248, train_loss: 0.9548, step time: 0.3514
Batch 100/248, train_loss: 0.9913, step time: 0.3823
Batch 101/248, train_loss: 0.0003, step time: 0.3491
Batch 102/248, train_loss: 0.5167, step time: 0.3649
Batch 103/248, train_loss: 0.9816, step time: 0.3451
Batch 104/248, train_loss: 0.5134, step time: 0.3795
Batch 105/248, train_loss: 0.1572, step time: 0.3835
Batch 106/248, train_loss: 0.7233, step time: 0.3568
Batch 107/248, train_loss: 0.9373, step time: 0.3833
Batch 108/248, train_loss: 0.9756, step time: 0.3692
Batch 109/248, train_loss: 0.9956, step time: 0.3866
Batch 110/248, train_loss: 0.7701, step time: 0.3681
Batch 111/248, train_loss: 0.1911, step time: 0.3688
Batch 112/248, train_loss: 0.2927, step time: 0.3868
Batch 113/248, train_loss: 0.9995, step time: 0.3618
Batch 114/248, train_loss: 0.2345, step time: 0.3679
Batch 115/248, train_loss: 0.4924, step time: 0.3474
Batch 116/248, train_loss: 0.1270, step time: 0.3778
Batch 117/248, train_loss: 0.9957, step time: 0.3544
Batch 118/248, train_loss: 0.9438, step time: 0.3622
Batch 119/248, train_loss: 0.5759, step time: 0.3455
Batch 120/248, train_loss: 0.6209, step time: 0.3575
Batch 121/248, train_loss: 0.8983, step time: 0.3875
Batch 122/248, train_loss: 0.9205, step time: 0.3838
Batch 123/248, train_loss: 0.2184, step time: 0.3562
Batch 124/248, train_loss: 0.9472, step time: 0.3433
Batch 125/248, train_loss: 0.9865, step time: 0.3490
Batch 126/248, train_loss: 0.4134, step time: 0.3726
Batch 127/248, train_loss: 0.5424, step time: 0.3802
Batch 128/248, train_loss: 0.8075, step time: 0.3481
Batch 129/248, train_loss: 0.1677, step time: 0.3478
Batch 130/248, train_loss: 0.2023, step time: 0.3734
Batch 131/248, train_loss: 0.9353, step time: 0.3523
Batch 132/248, train_loss: 0.9302, step time: 0.3505
Batch 133/248, train_loss: 0.2442, step time: 0.3442
Batch 134/248, train_loss: 1.0000, step time: 0.3822
Batch 135/248, train_loss: 0.9606, step time: 0.3432
Batch 136/248, train_loss: 0.7342, step time: 0.3716
Batch 137/248, train_loss: 0.1829, step time: 0.3861
Batch 138/248, train_loss: 0.1386, step time: 0.3447
Batch 139/248, train_loss: 0.2752, step time: 0.3461
Batch 140/248, train_loss: 0.7133, step time: 0.3462
Batch 141/248, train_loss: 0.3252, step time: 0.3440
Batch 142/248, train_loss: 0.9908, step time: 0.3854
Batch 143/248, train_loss: 0.7591, step time: 0.3466
Batch 144/248, train_loss: 0.2090, step time: 0.3465
Batch 145/248, train_loss: 0.1355, step time: 0.3831
Batch 146/248, train_loss: 0.9987, step time: 0.3481
Batch 147/248, train_loss: 0.0808, step time: 0.3454
Batch 148/248, train_loss: 0.9541, step time: 0.3916
Batch 149/248, train_loss: 0.4621, step time: 0.3843
Batch 150/248, train_loss: 0.5805, step time: 0.3828
Batch 151/248, train_loss: 0.9548, step time: 0.3456
Batch 152/248, train_loss: 0.0815, step time: 0.3467
Batch 153/248, train_loss: 0.9050, step time: 0.3875
Batch 154/248, train_loss: 0.9780, step time: 0.3845
Batch 155/248, train_loss: 0.5299, step time: 0.3626
Batch 156/248, train_loss: 0.5476, step time: 0.3442
Batch 157/248, train_loss: 0.4113, step time: 0.3719
Batch 158/248, train_loss: 0.9989, step time: 0.3466
Batch 159/248, train_loss: 0.9949, step time: 0.3611
Batch 160/248, train_loss: 0.2670, step time: 0.3683
Batch 161/248, train_loss: 0.4483, step time: 0.3850
Batch 162/248, train_loss: 0.1610, step time: 0.3817
Batch 163/248, train_loss: 0.9458, step time: 0.3501
Batch 164/248, train_loss: 0.5661, step time: 0.3454

Batch 165/248, train_loss: 0.9989, step time: 0.3690
Batch 166/248, train_loss: 0.8553, step time: 0.3782
Batch 167/248, train_loss: 0.6176, step time: 0.3457
Batch 168/248, train_loss: 0.5648, step time: 0.3891
Batch 169/248, train_loss: 0.2628, step time: 0.3849
Batch 170/248, train_loss: 0.9843, step time: 0.3804
Batch 171/248, train_loss: 0.1238, step time: 0.3804
Batch 172/248, train_loss: 0.9983, step time: 0.3447
Batch 173/248, train_loss: 0.1410, step time: 0.3779
Batch 174/248, train_loss: 0.9808, step time: 0.3680
Batch 175/248, train_loss: 0.2111, step time: 0.3836
Batch 176/248, train_loss: 0.7108, step time: 0.3498
Batch 177/248, train_loss: 0.9921, step time: 0.3679
Batch 178/248, train_loss: 0.3145, step time: 0.3821
Batch 179/248, train_loss: 0.1239, step time: 0.3620
Batch 180/248, train_loss: 0.5440, step time: 0.3654
Batch 181/248, train_loss: 0.1649, step time: 0.3665
Batch 182/248, train_loss: 0.9436, step time: 0.3457
Batch 183/248, train_loss: 0.4804, step time: 0.3458
Batch 184/248, train_loss: 0.8971, step time: 0.3719
Batch 185/248, train_loss: 0.5065, step time: 0.3416
Batch 186/248, train_loss: 0.2261, step time: 0.3780
Batch 187/248, train_loss: 0.3294, step time: 0.3530
Batch 188/248, train_loss: 0.5572, step time: 0.3841
Batch 189/248, train_loss: 0.9998, step time: 0.3447
Batch 190/248, train_loss: 0.3629, step time: 0.3697
Batch 191/248, train_loss: 0.9964, step time: 0.3445
Batch 192/248, train_loss: 0.4439, step time: 0.3634
Batch 193/248, train_loss: 0.7644, step time: 0.3800
Batch 194/248, train_loss: 0.6522, step time: 0.3543
Batch 195/248, train_loss: 0.9996, step time: 0.3488
Batch 196/248, train_loss: 0.9999, step time: 0.3461
Batch 197/248, train_loss: 0.8035, step time: 0.3489
Batch 198/248, train_loss: 1.0000, step time: 0.3693
Batch 199/248, train_loss: 0.6002, step time: 0.3550
Batch 200/248, train_loss: 0.4421, step time: 0.3841
Batch 201/248, train_loss: 0.2407, step time: 0.3450
Batch 202/248, train_loss: 0.7731, step time: 0.3448
Batch 203/248, train_loss: 0.9887, step time: 0.3835
Batch 204/248, train_loss: 0.1474, step time: 0.3474
Batch 205/248, train_loss: 0.8861, step time: 0.3888
Batch 206/248, train_loss: 0.9916, step time: 0.3479
Batch 207/248, train_loss: 0.1620, step time: 0.3486
Batch 208/248, train_loss: 0.4986, step time: 0.3445
Batch 209/248, train_loss: 0.3610, step time: 0.3455
Batch 210/248, train_loss: 0.1359, step time: 0.3869
Batch 211/248, train_loss: 0.1561, step time: 0.3699
Batch 212/248, train_loss: 0.7314, step time: 0.3549
Batch 213/248, train_loss: 0.6999, step time: 0.3442
Batch 214/248, train_loss: 0.2822, step time: 0.3576
Batch 215/248, train_loss: 0.8319, step time: 0.3883
Batch 216/248, train_loss: 0.2732, step time: 0.3511
Batch 217/248, train_loss: 0.9270, step time: 0.3837
Batch 218/248, train_loss: 0.9994, step time: 0.3639
Batch 219/248, train_loss: 0.2327, step time: 0.3853
Batch 220/248, train_loss: 0.7972, step time: 0.3870
Batch 221/248, train_loss: 0.8046, step time: 0.3456
Batch 222/248, train_loss: 0.2666, step time: 0.3731
Batch 223/248, train_loss: 0.0939, step time: 0.3901
Batch 224/248, train_loss: 0.1644, step time: 0.3673
Batch 225/248, train_loss: 0.9810, step time: 0.3875
Batch 226/248, train_loss: 0.9146, step time: 0.3888
Batch 227/248, train_loss: 0.3045, step time: 0.3521
Batch 228/248, train_loss: 0.7834, step time: 0.3757
Batch 229/248, train_loss: 0.1731, step time: 0.3824
Batch 230/248, train_loss: 0.2608, step time: 0.3852
Batch 231/248, train_loss: 0.9997, step time: 0.3443
Batch 232/248, train_loss: 0.2465, step time: 0.3784
Batch 233/248, train_loss: 0.9998, step time: 0.3454
Batch 234/248, train_loss: 0.9899, step time: 0.3569
Batch 235/248, train_loss: 0.9761, step time: 0.3445
Batch 236/248, train_loss: 0.9991, step time: 0.3447
Batch 237/248, train_loss: 0.2410, step time: 0.3849
Batch 238/248, train_loss: 0.2485, step time: 0.3696
Batch 239/248, train_loss: 0.0922, step time: 0.3453
Batch 240/248, train_loss: 0.7121, step time: 0.3917
Batch 241/248, train_loss: 0.9999, step time: 0.3604
Batch 242/248, train_loss: 0.8696, step time: 0.3476
Batch 243/248, train_loss: 0.9973, step time: 0.3750
Batch 244/248, train_loss: 0.9761, step time: 0.3458
Batch 245/248, train_loss: 0.1914, step time: 0.3773
Batch 246/248, train_loss: 0.9782, step time: 0.3679
Batch 247/248, train_loss: 0.1204, step time: 0.3760
Batch 248/248, train_loss: 1.0000, step time: 0.3670

LADIES



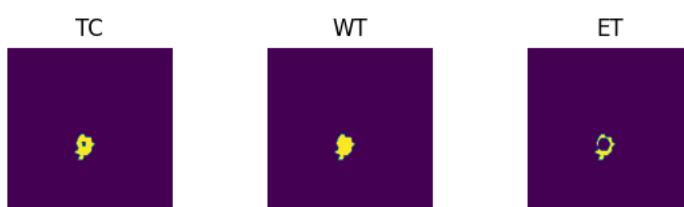
Predictions



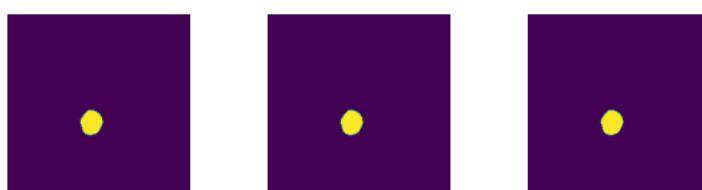
VAL

```
Batch 1/31, val_loss: 0.8813
Batch 2/31, val_loss: 0.9987
Batch 3/31, val_loss: 0.9957
Batch 4/31, val_loss: 0.9926
Batch 5/31, val_loss: 0.9998
Batch 6/31, val_loss: 0.7355
Batch 7/31, val_loss: 0.8627
Batch 8/31, val_loss: 0.9862
Batch 9/31, val_loss: 0.7328
Batch 10/31, val_loss: 0.9724
Batch 11/31, val_loss: 0.8538
Batch 12/31, val_loss: 0.9765
Batch 13/31, val_loss: 0.9927
Batch 14/31, val_loss: 0.9714
Batch 15/31, val_loss: 0.9929
Batch 16/31, val_loss: 0.9922
Batch 17/31, val_loss: 0.9985
Batch 18/31, val_loss: 0.9849
Batch 19/31, val_loss: 0.7862
Batch 20/31, val_loss: 0.8845
Batch 21/31, val_loss: 0.9284
Batch 22/31, val_loss: 0.9971
Batch 23/31, val_loss: 0.9908
Batch 24/31, val_loss: 0.7563
Batch 25/31, val_loss: 0.8191
Batch 26/31, val_loss: 0.9512
Batch 27/31, val_loss: 0.9970
Batch 28/31, val_loss: 0.7889
Batch 29/31, val_loss: 0.9964
Batch 30/31, val_loss: 0.9854
Batch 31/31, val_loss: 0.9936
```

Labels



Predictions



epoch 62

```
average train loss: 0.6107
average validation loss: 0.9289
saved as best model: True
current mean dice: 0.3074
current TC dice: 0.3217
current WT dice: 0.3279
current ET dice: 0.3018
```

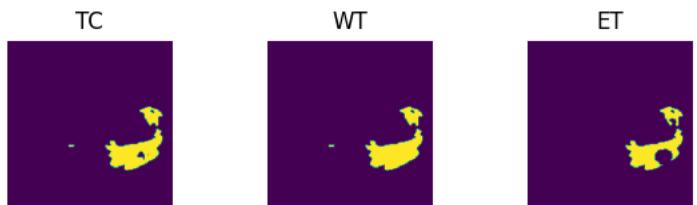
current ϵ dice: 0.5018
Best Mean Metric: 0.3074
time consuming of epoch 62 is: 1402.8798

epoch 63/100
TRAIN
Batch 1/248, train_loss: 0.1117, step time: 0.3525
Batch 2/248, train_loss: 0.9995, step time: 0.3485
Batch 3/248, train_loss: 0.9390, step time: 0.3867
Batch 4/248, train_loss: 0.9996, step time: 0.3672
Batch 5/248, train_loss: 0.7552, step time: 0.3493
Batch 6/248, train_loss: 0.8146, step time: 0.3843
Batch 7/248, train_loss: 0.1127, step time: 0.3868
Batch 8/248, train_loss: 0.7576, step time: 0.3411
Batch 9/248, train_loss: 0.0791, step time: 0.3843
Batch 10/248, train_loss: 0.8701, step time: 0.3870
Batch 11/248, train_loss: 0.6930, step time: 0.3418
Batch 12/248, train_loss: 0.9911, step time: 0.3657
Batch 13/248, train_loss: 0.9540, step time: 0.3472
Batch 14/248, train_loss: 0.0866, step time: 0.3502
Batch 15/248, train_loss: 0.8683, step time: 0.3568
Batch 16/248, train_loss: 0.6314, step time: 0.3432
Batch 17/248, train_loss: 0.9864, step time: 0.3762
Batch 18/248, train_loss: 0.9683, step time: 0.3756
Batch 19/248, train_loss: 0.1859, step time: 0.3763
Batch 20/248, train_loss: 0.6286, step time: 0.3419
Batch 21/248, train_loss: 0.1762, step time: 0.3553
Batch 22/248, train_loss: 0.9999, step time: 0.3512
Batch 23/248, train_loss: 0.9999, step time: 0.3554
Batch 24/248, train_loss: 0.2628, step time: 0.3615
Batch 25/248, train_loss: 0.1201, step time: 0.3816
Batch 26/248, train_loss: 0.9713, step time: 0.3720
Batch 27/248, train_loss: 0.1072, step time: 0.3648
Batch 28/248, train_loss: 0.6303, step time: 0.3421
Batch 29/248, train_loss: 0.9852, step time: 0.3802
Batch 30/248, train_loss: 0.7573, step time: 0.3443
Batch 31/248, train_loss: 0.8504, step time: 0.3689
Batch 32/248, train_loss: 0.2222, step time: 0.3601
Batch 33/248, train_loss: 0.1256, step time: 0.3648
Batch 34/248, train_loss: 0.0839, step time: 0.3859
Batch 35/248, train_loss: 0.2183, step time: 0.3614
Batch 36/248, train_loss: 0.9940, step time: 0.3429
Batch 37/248, train_loss: 0.4081, step time: 0.3442
Batch 38/248, train_loss: 0.8092, step time: 0.3543
Batch 39/248, train_loss: 0.4543, step time: 0.3832
Batch 40/248, train_loss: 1.0000, step time: 0.3643
Batch 41/248, train_loss: 0.2819, step time: 0.3836
Batch 42/248, train_loss: 0.1510, step time: 0.3507
Batch 43/248, train_loss: 0.0985, step time: 0.3643
Batch 44/248, train_loss: 0.5516, step time: 0.3872
Batch 45/248, train_loss: 0.8213, step time: 0.3787
Batch 46/248, train_loss: 0.4457, step time: 0.3518
Batch 47/248, train_loss: 0.5683, step time: 0.3462
Batch 48/248, train_loss: 0.6004, step time: 0.3783
Batch 49/248, train_loss: 0.9764, step time: 0.3794
Batch 50/248, train_loss: 0.6648, step time: 0.3783
Batch 51/248, train_loss: 0.6483, step time: 0.3880
Batch 52/248, train_loss: 0.4268, step time: 0.3716
Batch 53/248, train_loss: 0.8632, step time: 0.3551
Batch 54/248, train_loss: 0.6287, step time: 0.3623
Batch 55/248, train_loss: 0.8653, step time: 0.3808
Batch 56/248, train_loss: 0.6524, step time: 0.3573
Batch 57/248, train_loss: 0.6868, step time: 0.3754
Batch 58/248, train_loss: 0.1774, step time: 0.3735
Batch 59/248, train_loss: 0.2783, step time: 0.3868
Batch 60/248, train_loss: 0.1637, step time: 0.3624
Batch 61/248, train_loss: 0.2921, step time: 0.3760
Batch 62/248, train_loss: 0.8828, step time: 0.3497
Batch 63/248, train_loss: 0.9721, step time: 0.3845
Batch 64/248, train_loss: 0.9682, step time: 0.3866
Batch 65/248, train_loss: 0.7014, step time: 0.3719
Batch 66/248, train_loss: 0.6467, step time: 0.3822
Batch 67/248, train_loss: 0.1457, step time: 0.3825
Batch 68/248, train_loss: 0.2349, step time: 0.3466
Batch 69/248, train_loss: 0.9998, step time: 0.3510
Batch 70/248, train_loss: 0.2426, step time: 0.3626
Batch 71/248, train_loss: 0.2857, step time: 0.3796
Batch 72/248, train_loss: 0.1491, step time: 0.3831
Batch 73/248, train_loss: 0.2616, step time: 0.3808
Batch 74/248, train_loss: 0.9995, step time: 0.3729
Batch 75/248, train_loss: 0.2688, step time: 0.3754
Batch 76/248, train_loss: 0.9820, step time: 0.3697
Batch 77/248, train_loss: 0.9992, step time: 0.3723
Batch 78/248, train_loss: 0.4069, step time: 0.3826
Batch 79/248, train_loss: 0.5932, step time: 0.3414

Batch 80/248, train_loss: 0.7577, step time: 0.3643
Batch 81/248, train_loss: 0.8186, step time: 0.3504
Batch 82/248, train_loss: 0.1902, step time: 0.3402
Batch 83/248, train_loss: 0.9832, step time: 0.3849
Batch 84/248, train_loss: 0.6339, step time: 0.3576
Batch 85/248, train_loss: 0.9827, step time: 0.3415
Batch 86/248, train_loss: 0.3605, step time: 0.3420
Batch 87/248, train_loss: 0.9917, step time: 0.3847
Batch 88/248, train_loss: 0.9472, step time: 0.3840
Batch 89/248, train_loss: 0.1335, step time: 0.3518
Batch 90/248, train_loss: 0.6626, step time: 0.3505
Batch 91/248, train_loss: 0.9807, step time: 0.3664
Batch 92/248, train_loss: 0.5756, step time: 0.3597
Batch 93/248, train_loss: 0.2484, step time: 0.3433
Batch 94/248, train_loss: 0.9792, step time: 0.3554
Batch 95/248, train_loss: 0.3776, step time: 0.3799
Batch 96/248, train_loss: 0.3653, step time: 0.3798
Batch 97/248, train_loss: 0.9998, step time: 0.3825
Batch 98/248, train_loss: 0.2059, step time: 0.3436
Batch 99/248, train_loss: 0.9488, step time: 0.3728
Batch 100/248, train_loss: 0.9895, step time: 0.3781
Batch 101/248, train_loss: 0.0829, step time: 0.3397
Batch 102/248, train_loss: 0.4598, step time: 0.3421
Batch 103/248, train_loss: 0.9761, step time: 0.3694
Batch 104/248, train_loss: 0.4416, step time: 0.3833
Batch 105/248, train_loss: 0.1476, step time: 0.3812
Batch 106/248, train_loss: 0.6912, step time: 0.3434
Batch 107/248, train_loss: 0.9348, step time: 0.3846
Batch 108/248, train_loss: 0.9591, step time: 0.3402
Batch 109/248, train_loss: 0.9988, step time: 0.3791
Batch 110/248, train_loss: 0.7680, step time: 0.3618
Batch 111/248, train_loss: 0.1722, step time: 0.3419
Batch 112/248, train_loss: 0.2736, step time: 0.3880
Batch 113/248, train_loss: 0.9997, step time: 0.3667
Batch 114/248, train_loss: 0.2356, step time: 0.3596
Batch 115/248, train_loss: 0.4989, step time: 0.3706
Batch 116/248, train_loss: 0.1224, step time: 0.3531
Batch 117/248, train_loss: 0.9916, step time: 0.3816
Batch 118/248, train_loss: 0.9520, step time: 0.3394
Batch 119/248, train_loss: 0.6719, step time: 0.3568
Batch 120/248, train_loss: 0.6148, step time: 0.3550
Batch 121/248, train_loss: 0.8663, step time: 0.3811
Batch 122/248, train_loss: 0.9220, step time: 0.3655
Batch 123/248, train_loss: 0.2042, step time: 0.3827
Batch 124/248, train_loss: 0.9166, step time: 0.3860
Batch 125/248, train_loss: 0.9845, step time: 0.3410
Batch 126/248, train_loss: 0.4546, step time: 0.3794
Batch 127/248, train_loss: 0.5205, step time: 0.3393
Batch 128/248, train_loss: 0.7939, step time: 0.3488
Batch 129/248, train_loss: 0.1647, step time: 0.3529
Batch 130/248, train_loss: 0.1843, step time: 0.3785
Batch 131/248, train_loss: 0.9236, step time: 0.3781
Batch 132/248, train_loss: 0.9372, step time: 0.3739
Batch 133/248, train_loss: 0.2384, step time: 0.3803
Batch 134/248, train_loss: 0.9999, step time: 0.3791
Batch 135/248, train_loss: 0.9747, step time: 0.3441
Batch 136/248, train_loss: 0.7133, step time: 0.3810
Batch 137/248, train_loss: 0.1997, step time: 0.3647
Batch 138/248, train_loss: 0.1444, step time: 0.3592
Batch 139/248, train_loss: 0.2395, step time: 0.3728
Batch 140/248, train_loss: 0.6932, step time: 0.3853
Batch 141/248, train_loss: 0.3017, step time: 0.3554
Batch 142/248, train_loss: 0.9972, step time: 0.3588
Batch 143/248, train_loss: 0.7478, step time: 0.3482
Batch 144/248, train_loss: 0.1999, step time: 0.3719
Batch 145/248, train_loss: 0.1235, step time: 0.3501
Batch 146/248, train_loss: 0.9908, step time: 0.3860
Batch 147/248, train_loss: 0.0823, step time: 0.3643
Batch 148/248, train_loss: 0.9521, step time: 0.3816
Batch 149/248, train_loss: 0.4378, step time: 0.3569
Batch 150/248, train_loss: 0.5680, step time: 0.3793
Batch 151/248, train_loss: 0.9384, step time: 0.3837
Batch 152/248, train_loss: 0.0755, step time: 0.3426
Batch 153/248, train_loss: 0.9090, step time: 0.3481
Batch 154/248, train_loss: 0.9776, step time: 0.3743
Batch 155/248, train_loss: 0.5167, step time: 0.3855
Batch 156/248, train_loss: 0.5024, step time: 0.3717
Batch 157/248, train_loss: 0.4093, step time: 0.3700
Batch 158/248, train_loss: 0.9993, step time: 0.3476
Batch 159/248, train_loss: 0.9944, step time: 0.3561
Batch 160/248, train_loss: 0.2382, step time: 0.3402
Batch 161/248, train_loss: 0.4285, step time: 0.3638
Batch 162/248, train_loss: 0.1433, step time: 0.3396
Batch 163/248, train_loss: 0.9453, step time: 0.3483
Batch 164/248, train_loss: 0.5412, step time: 0.3698

Batch 165/248, train_loss: 0.9991, step time: 0.3748
Batch 166/248, train_loss: 0.8522, step time: 0.3709
Batch 167/248, train_loss: 0.6089, step time: 0.3831
Batch 168/248, train_loss: 0.5254, step time: 0.3690
Batch 169/248, train_loss: 0.2440, step time: 0.3454
Batch 170/248, train_loss: 0.9843, step time: 0.3425
Batch 171/248, train_loss: 0.1156, step time: 0.3797
Batch 172/248, train_loss: 0.9983, step time: 0.3635
Batch 173/248, train_loss: 0.1342, step time: 0.3775
Batch 174/248, train_loss: 0.9998, step time: 0.3748
Batch 175/248, train_loss: 0.2090, step time: 0.3740
Batch 176/248, train_loss: 0.7003, step time: 0.3529
Batch 177/248, train_loss: 0.9946, step time: 0.3388
Batch 178/248, train_loss: 0.3629, step time: 0.3389
Batch 179/248, train_loss: 0.1264, step time: 0.3443
Batch 180/248, train_loss: 0.5358, step time: 0.3545
Batch 181/248, train_loss: 0.1707, step time: 0.3449
Batch 182/248, train_loss: 0.9308, step time: 0.3647
Batch 183/248, train_loss: 0.4601, step time: 0.3408
Batch 184/248, train_loss: 0.8882, step time: 0.3861
Batch 185/248, train_loss: 0.4768, step time: 0.3846
Batch 186/248, train_loss: 0.2135, step time: 0.3512
Batch 187/248, train_loss: 0.3083, step time: 0.3508
Batch 188/248, train_loss: 0.5598, step time: 0.3473
Batch 189/248, train_loss: 0.9992, step time: 0.3706
Batch 190/248, train_loss: 0.3619, step time: 0.3806
Batch 191/248, train_loss: 0.9942, step time: 0.3888
Batch 192/248, train_loss: 0.4188, step time: 0.3470
Batch 193/248, train_loss: 0.7539, step time: 0.3392
Batch 194/248, train_loss: 0.6442, step time: 0.3798
Batch 195/248, train_loss: 0.9997, step time: 0.3714
Batch 196/248, train_loss: 0.9999, step time: 0.3431
Batch 197/248, train_loss: 0.7915, step time: 0.3794
Batch 198/248, train_loss: 1.0000, step time: 0.3452
Batch 199/248, train_loss: 0.5701, step time: 0.3702
Batch 200/248, train_loss: 0.4413, step time: 0.3801
Batch 201/248, train_loss: 0.2429, step time: 0.3846
Batch 202/248, train_loss: 0.7644, step time: 0.3793
Batch 203/248, train_loss: 0.9862, step time: 0.3442
Batch 204/248, train_loss: 0.1549, step time: 0.3828
Batch 205/248, train_loss: 0.8961, step time: 0.3717
Batch 206/248, train_loss: 0.9918, step time: 0.3582
Batch 207/248, train_loss: 0.1744, step time: 0.3503
Batch 208/248, train_loss: 0.4522, step time: 0.3643
Batch 209/248, train_loss: 0.3434, step time: 0.3825
Batch 210/248, train_loss: 0.1248, step time: 0.3420
Batch 211/248, train_loss: 0.1521, step time: 0.3659
Batch 212/248, train_loss: 0.7233, step time: 0.3399
Batch 213/248, train_loss: 0.6855, step time: 0.3391
Batch 214/248, train_loss: 0.2651, step time: 0.3853
Batch 215/248, train_loss: 0.7932, step time: 0.3736
Batch 216/248, train_loss: 0.2663, step time: 0.3529
Batch 217/248, train_loss: 0.8975, step time: 0.3424
Batch 218/248, train_loss: 0.9984, step time: 0.3537
Batch 219/248, train_loss: 0.2109, step time: 0.3548
Batch 220/248, train_loss: 0.7913, step time: 0.3639
Batch 221/248, train_loss: 0.7898, step time: 0.3513
Batch 222/248, train_loss: 0.2629, step time: 0.3574
Batch 223/248, train_loss: 0.0942, step time: 0.3636
Batch 224/248, train_loss: 0.1528, step time: 0.3466
Batch 225/248, train_loss: 0.9784, step time: 0.3494
Batch 226/248, train_loss: 0.9077, step time: 0.3831
Batch 227/248, train_loss: 0.2997, step time: 0.3681
Batch 228/248, train_loss: 0.7983, step time: 0.3494
Batch 229/248, train_loss: 0.1699, step time: 0.3661
Batch 230/248, train_loss: 0.2539, step time: 0.3724
Batch 231/248, train_loss: 0.9994, step time: 0.3583
Batch 232/248, train_loss: 0.2372, step time: 0.3685
Batch 233/248, train_loss: 0.9999, step time: 0.3444
Batch 234/248, train_loss: 0.9917, step time: 0.3411
Batch 235/248, train_loss: 0.9817, step time: 0.3806
Batch 236/248, train_loss: 0.9994, step time: 0.3787
Batch 237/248, train_loss: 0.2373, step time: 0.3774
Batch 238/248, train_loss: 0.2155, step time: 0.3842
Batch 239/248, train_loss: 0.0887, step time: 0.3468
Batch 240/248, train_loss: 0.7383, step time: 0.3490
Batch 241/248, train_loss: 0.9999, step time: 0.3625
Batch 242/248, train_loss: 0.8639, step time: 0.3792
Batch 243/248, train_loss: 0.9921, step time: 0.3838
Batch 244/248, train_loss: 0.9686, step time: 0.3612
Batch 245/248, train_loss: 0.1968, step time: 0.3667
Batch 246/248, train_loss: 0.9765, step time: 0.3574
Batch 247/248, train_loss: 0.1221, step time: 0.3701
Batch 248/248, train_loss: 1.0000, step time: 0.3780

Labels



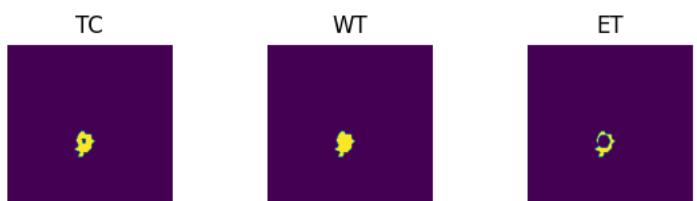
Predictions



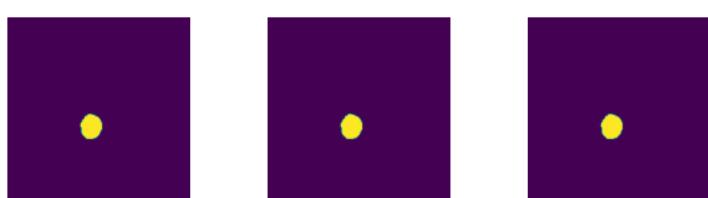
VAL

```
Batch 1/31, val_loss: 0.8862
Batch 2/31, val_loss: 0.9988
Batch 3/31, val_loss: 0.9952
Batch 4/31, val_loss: 0.9922
Batch 5/31, val_loss: 0.9999
Batch 6/31, val_loss: 0.7392
Batch 7/31, val_loss: 0.8612
Batch 8/31, val_loss: 0.9820
Batch 9/31, val_loss: 0.7351
Batch 10/31, val_loss: 0.9700
Batch 11/31, val_loss: 0.8604
Batch 12/31, val_loss: 0.9764
Batch 13/31, val_loss: 0.9913
Batch 14/31, val_loss: 0.9719
Batch 15/31, val_loss: 0.9987
Batch 16/31, val_loss: 0.9919
Batch 17/31, val_loss: 0.9984
Batch 18/31, val_loss: 0.9834
Batch 19/31, val_loss: 0.7921
Batch 20/31, val_loss: 0.8865
Batch 21/31, val_loss: 0.9261
Batch 22/31, val_loss: 0.9982
Batch 23/31, val_loss: 0.9898
Batch 24/31, val_loss: 0.7561
Batch 25/31, val_loss: 0.8191
Batch 26/31, val_loss: 0.9516
Batch 27/31, val_loss: 0.9980
Batch 28/31, val_loss: 0.7835
Batch 29/31, val_loss: 0.9960
Batch 30/31, val_loss: 0.9960
Batch 31/31, val_loss: 0.9935
```

Labels



Predictions



epoch 63

```
average train loss: 0.6009
average validation loss: 0.9296
saved as best model: True
current mean dice: 0.3086
current TC dice: 0.3233
current WT dice: 0.3293
```

current ET dice: 0.3022
Best Mean Metric: 0.3086
time consuming of epoch 63 is: 1390.1658

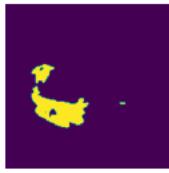
epoch 64/100
TRAIN
Batch 1/248, train_loss: 0.1282, step time: 0.3850
Batch 2/248, train_loss: 0.9998, step time: 0.3429
Batch 3/248, train_loss: 0.9299, step time: 0.3399
Batch 4/248, train_loss: 0.9998, step time: 0.3712
Batch 5/248, train_loss: 0.7335, step time: 0.3654
Batch 6/248, train_loss: 0.7248, step time: 0.3617
Batch 7/248, train_loss: 0.1177, step time: 0.3432
Batch 8/248, train_loss: 0.7569, step time: 0.3660
Batch 9/248, train_loss: 0.0782, step time: 0.3441
Batch 10/248, train_loss: 0.8620, step time: 0.3381
Batch 11/248, train_loss: 0.6758, step time: 0.3442
Batch 12/248, train_loss: 0.9889, step time: 0.3457
Batch 13/248, train_loss: 0.9403, step time: 0.3736
Batch 14/248, train_loss: 0.0836, step time: 0.3427
Batch 15/248, train_loss: 0.8606, step time: 0.3744
Batch 16/248, train_loss: 0.6145, step time: 0.3708
Batch 17/248, train_loss: 0.9892, step time: 0.3805
Batch 18/248, train_loss: 0.9605, step time: 0.3652
Batch 19/248, train_loss: 0.1514, step time: 0.3412
Batch 20/248, train_loss: 0.6327, step time: 0.3696
Batch 21/248, train_loss: 0.1857, step time: 0.3711
Batch 22/248, train_loss: 0.9998, step time: 0.3382
Batch 23/248, train_loss: 0.9989, step time: 0.3556
Batch 24/248, train_loss: 0.2612, step time: 0.3668
Batch 25/248, train_loss: 0.1270, step time: 0.3417
Batch 26/248, train_loss: 0.9946, step time: 0.3454
Batch 27/248, train_loss: 0.1068, step time: 0.3383
Batch 28/248, train_loss: 0.5849, step time: 0.3543
Batch 29/248, train_loss: 0.9944, step time: 0.3462
Batch 30/248, train_loss: 0.9506, step time: 0.3406
Batch 31/248, train_loss: 0.8561, step time: 0.3681
Batch 32/248, train_loss: 0.2181, step time: 0.3388
Batch 33/248, train_loss: 0.1108, step time: 0.3461
Batch 34/248, train_loss: 0.0870, step time: 0.3872
Batch 35/248, train_loss: 0.1959, step time: 0.3451
Batch 36/248, train_loss: 0.9974, step time: 0.3396
Batch 37/248, train_loss: 0.3931, step time: 0.3616
Batch 38/248, train_loss: 0.8050, step time: 0.3808
Batch 39/248, train_loss: 0.4487, step time: 0.3416
Batch 40/248, train_loss: 1.0000, step time: 0.3466
Batch 41/248, train_loss: 0.2924, step time: 0.3817
Batch 42/248, train_loss: 0.1282, step time: 0.3416
Batch 43/248, train_loss: 0.1014, step time: 0.3450
Batch 44/248, train_loss: 0.3893, step time: 0.3714
Batch 45/248, train_loss: 0.8322, step time: 0.3769
Batch 46/248, train_loss: 0.4264, step time: 0.3629
Batch 47/248, train_loss: 0.5619, step time: 0.3539
Batch 48/248, train_loss: 0.5434, step time: 0.3420
Batch 49/248, train_loss: 0.9701, step time: 0.3556
Batch 50/248, train_loss: 0.6521, step time: 0.3834
Batch 51/248, train_loss: 0.6188, step time: 0.3462
Batch 52/248, train_loss: 0.4264, step time: 0.3790
Batch 53/248, train_loss: 0.8502, step time: 0.3393
Batch 54/248, train_loss: 0.6015, step time: 0.3790
Batch 55/248, train_loss: 0.8463, step time: 0.3456
Batch 56/248, train_loss: 0.7133, step time: 0.3490
Batch 57/248, train_loss: 0.6790, step time: 0.3537
Batch 58/248, train_loss: 0.1940, step time: 0.3797
Batch 59/248, train_loss: 0.2493, step time: 0.3771
Batch 60/248, train_loss: 0.1490, step time: 0.3512
Batch 61/248, train_loss: 0.2495, step time: 0.3817
Batch 62/248, train_loss: 0.8711, step time: 0.3747
Batch 63/248, train_loss: 0.9735, step time: 0.3696
Batch 64/248, train_loss: 0.9626, step time: 0.3664
Batch 65/248, train_loss: 0.6829, step time: 0.3397
Batch 66/248, train_loss: 0.6430, step time: 0.3583
Batch 67/248, train_loss: 0.1366, step time: 0.3546
Batch 68/248, train_loss: 0.2026, step time: 0.3621
Batch 69/248, train_loss: 0.9995, step time: 0.3678
Batch 70/248, train_loss: 0.2517, step time: 0.3744
Batch 71/248, train_loss: 0.2745, step time: 0.3668
Batch 72/248, train_loss: 0.1303, step time: 0.3718
Batch 73/248, train_loss: 0.2678, step time: 0.3450
Batch 74/248, train_loss: 0.9985, step time: 0.3414
Batch 75/248, train_loss: 0.2559, step time: 0.3404
Batch 76/248, train_loss: 0.9868, step time: 0.3661
Batch 77/248, train_loss: 0.9994, step time: 0.3513
Batch 78/248, train_loss: 0.3751, step time: 0.3670
Batch 79/248, train_loss: 0.5634, step time: 0.3445

Batch 80/248, train_loss: 0.7611, step time: 0.3540
Batch 81/248, train_loss: 0.8099, step time: 0.3640
Batch 82/248, train_loss: 0.1889, step time: 0.3415
Batch 83/248, train_loss: 0.9785, step time: 0.3608
Batch 84/248, train_loss: 0.6541, step time: 0.3711
Batch 85/248, train_loss: 0.9804, step time: 0.3476
Batch 86/248, train_loss: 0.3376, step time: 0.3527
Batch 87/248, train_loss: 0.9685, step time: 0.3440
Batch 88/248, train_loss: 0.9559, step time: 0.3420
Batch 89/248, train_loss: 0.1120, step time: 0.3724
Batch 90/248, train_loss: 0.7224, step time: 0.3751
Batch 91/248, train_loss: 0.9813, step time: 0.3561
Batch 92/248, train_loss: 0.6712, step time: 0.3688
Batch 93/248, train_loss: 0.2387, step time: 0.3721
Batch 94/248, train_loss: 0.9772, step time: 0.3728
Batch 95/248, train_loss: 0.3374, step time: 0.3424
Batch 96/248, train_loss: 0.3689, step time: 0.3413
Batch 97/248, train_loss: 1.0000, step time: 0.3404
Batch 98/248, train_loss: 0.1989, step time: 0.3596
Batch 99/248, train_loss: 0.9480, step time: 0.3797
Batch 100/248, train_loss: 0.9894, step time: 0.3794
Batch 101/248, train_loss: 0.0948, step time: 0.3713
Batch 102/248, train_loss: 0.4838, step time: 0.3847
Batch 103/248, train_loss: 0.9770, step time: 0.3612
Batch 104/248, train_loss: 0.4567, step time: 0.3833
Batch 105/248, train_loss: 0.1409, step time: 0.3808
Batch 106/248, train_loss: 0.7196, step time: 0.3676
Batch 107/248, train_loss: 0.9329, step time: 0.3451
Batch 108/248, train_loss: 0.9625, step time: 0.3701
Batch 109/248, train_loss: 0.9985, step time: 0.3558
Batch 110/248, train_loss: 0.7433, step time: 0.3575
Batch 111/248, train_loss: 0.1713, step time: 0.3470
Batch 112/248, train_loss: 0.2697, step time: 0.3467
Batch 113/248, train_loss: 0.9999, step time: 0.3502
Batch 114/248, train_loss: 0.2291, step time: 0.3651
Batch 115/248, train_loss: 0.4817, step time: 0.3403
Batch 116/248, train_loss: 0.1251, step time: 0.3818
Batch 117/248, train_loss: 0.9914, step time: 0.3397
Batch 118/248, train_loss: 0.9489, step time: 0.3459
Batch 119/248, train_loss: 0.5452, step time: 0.3592
Batch 120/248, train_loss: 0.5939, step time: 0.3809
Batch 121/248, train_loss: 0.8682, step time: 0.3464
Batch 122/248, train_loss: 0.9290, step time: 0.3472
Batch 123/248, train_loss: 0.2128, step time: 0.3521
Batch 124/248, train_loss: 0.9197, step time: 0.3770
Batch 125/248, train_loss: 0.9843, step time: 0.3552
Batch 126/248, train_loss: 0.3417, step time: 0.3864
Batch 127/248, train_loss: 0.5019, step time: 0.3686
Batch 128/248, train_loss: 0.7713, step time: 0.3811
Batch 129/248, train_loss: 0.1620, step time: 0.3409
Batch 130/248, train_loss: 0.1820, step time: 0.3423
Batch 131/248, train_loss: 0.9297, step time: 0.3622
Batch 132/248, train_loss: 0.9174, step time: 0.3657
Batch 133/248, train_loss: 0.2343, step time: 0.3495
Batch 134/248, train_loss: 1.0000, step time: 0.3499
Batch 135/248, train_loss: 0.9597, step time: 0.3636
Batch 136/248, train_loss: 0.7029, step time: 0.3612
Batch 137/248, train_loss: 0.2316, step time: 0.3488
Batch 138/248, train_loss: 0.1410, step time: 0.3848
Batch 139/248, train_loss: 0.2125, step time: 0.3828
Batch 140/248, train_loss: 0.6785, step time: 0.3397
Batch 141/248, train_loss: 0.3052, step time: 0.3547
Batch 142/248, train_loss: 0.9987, step time: 0.3467
Batch 143/248, train_loss: 0.7523, step time: 0.3814
Batch 144/248, train_loss: 0.2124, step time: 0.3730
Batch 145/248, train_loss: 0.0995, step time: 0.3450
Batch 146/248, train_loss: 0.9982, step time: 0.3431
Batch 147/248, train_loss: 0.0878, step time: 0.3682
Batch 148/248, train_loss: 0.9519, step time: 0.3643
Batch 149/248, train_loss: 0.4303, step time: 0.3453
Batch 150/248, train_loss: 0.5770, step time: 0.3676
Batch 151/248, train_loss: 0.9210, step time: 0.3551
Batch 152/248, train_loss: 0.0755, step time: 0.3448
Batch 153/248, train_loss: 0.9314, step time: 0.3766
Batch 154/248, train_loss: 0.9751, step time: 0.3727
Batch 155/248, train_loss: 0.4599, step time: 0.3502
Batch 156/248, train_loss: 0.4901, step time: 0.3580
Batch 157/248, train_loss: 0.4162, step time: 0.3545
Batch 158/248, train_loss: 0.9994, step time: 0.3446
Batch 159/248, train_loss: 0.9971, step time: 0.3429
Batch 160/248, train_loss: 0.2275, step time: 0.3466
Batch 161/248, train_loss: 0.4182, step time: 0.3673
Batch 162/248, train_loss: 0.1363, step time: 0.3631
Batch 163/248, train_loss: 0.9395, step time: 0.3714
Batch 164/248, train_loss: 0.5510, step time: 0.3405

Batch 104/248, train_loss: 0.9919, step time: 0.3403
Batch 165/248, train_loss: 0.9989, step time: 0.3610
Batch 166/248, train_loss: 0.8348, step time: 0.3839
Batch 167/248, train_loss: 0.6342, step time: 0.3731
Batch 168/248, train_loss: 0.5106, step time: 0.3615
Batch 169/248, train_loss: 0.2652, step time: 0.3545
Batch 170/248, train_loss: 0.9786, step time: 0.3583
Batch 171/248, train_loss: 0.1448, step time: 0.3385
Batch 172/248, train_loss: 0.9996, step time: 0.3672
Batch 173/248, train_loss: 0.1352, step time: 0.3564
Batch 174/248, train_loss: 0.9984, step time: 0.3838
Batch 175/248, train_loss: 0.2274, step time: 0.3657
Batch 176/248, train_loss: 0.6951, step time: 0.3630
Batch 177/248, train_loss: 0.9902, step time: 0.3846
Batch 178/248, train_loss: 0.2981, step time: 0.3602
Batch 179/248, train_loss: 0.1270, step time: 0.3441
Batch 180/248, train_loss: 0.5358, step time: 0.3635
Batch 181/248, train_loss: 0.1599, step time: 0.3852
Batch 182/248, train_loss: 0.9249, step time: 0.3569
Batch 183/248, train_loss: 0.4317, step time: 0.3858
Batch 184/248, train_loss: 0.8921, step time: 0.3392
Batch 185/248, train_loss: 0.4784, step time: 0.3824
Batch 186/248, train_loss: 0.2078, step time: 0.3504
Batch 187/248, train_loss: 0.2955, step time: 0.3724
Batch 188/248, train_loss: 0.5384, step time: 0.3805
Batch 189/248, train_loss: 0.9965, step time: 0.3559
Batch 190/248, train_loss: 0.3695, step time: 0.3885
Batch 191/248, train_loss: 0.9997, step time: 0.3827
Batch 192/248, train_loss: 0.4098, step time: 0.3727
Batch 193/248, train_loss: 0.7712, step time: 0.3387
Batch 194/248, train_loss: 0.6281, step time: 0.3656
Batch 195/248, train_loss: 0.9994, step time: 0.3840
Batch 196/248, train_loss: 0.9999, step time: 0.3746
Batch 197/248, train_loss: 0.7908, step time: 0.3646
Batch 198/248, train_loss: 0.9999, step time: 0.3823
Batch 199/248, train_loss: 0.5208, step time: 0.3458
Batch 200/248, train_loss: 0.4102, step time: 0.3398
Batch 201/248, train_loss: 0.2272, step time: 0.3532
Batch 202/248, train_loss: 0.7513, step time: 0.3617
Batch 203/248, train_loss: 0.9858, step time: 0.3554
Batch 204/248, train_loss: 0.1396, step time: 0.3753
Batch 205/248, train_loss: 0.8854, step time: 0.3722
Batch 206/248, train_loss: 0.9928, step time: 0.3558
Batch 207/248, train_loss: 0.1554, step time: 0.3845
Batch 208/248, train_loss: 0.4384, step time: 0.3416
Batch 209/248, train_loss: 0.3398, step time: 0.3754
Batch 210/248, train_loss: 0.1302, step time: 0.3725
Batch 211/248, train_loss: 0.1477, step time: 0.3780
Batch 212/248, train_loss: 0.7055, step time: 0.3601
Batch 213/248, train_loss: 0.6779, step time: 0.3739
Batch 214/248, train_loss: 0.2634, step time: 0.3753
Batch 215/248, train_loss: 0.8126, step time: 0.3757
Batch 216/248, train_loss: 0.2730, step time: 0.3812
Batch 217/248, train_loss: 0.8857, step time: 0.3462
Batch 218/248, train_loss: 0.9941, step time: 0.3769
Batch 219/248, train_loss: 0.2130, step time: 0.3747
Batch 220/248, train_loss: 0.7837, step time: 0.3560
Batch 221/248, train_loss: 0.7827, step time: 0.3413
Batch 222/248, train_loss: 0.2730, step time: 0.3704
Batch 223/248, train_loss: 0.0894, step time: 0.3804
Batch 224/248, train_loss: 0.1497, step time: 0.3720
Batch 225/248, train_loss: 0.9790, step time: 0.3688
Batch 226/248, train_loss: 0.9107, step time: 0.3702
Batch 227/248, train_loss: 0.2730, step time: 0.3437
Batch 228/248, train_loss: 0.7679, step time: 0.3763
Batch 229/248, train_loss: 0.1522, step time: 0.3428
Batch 230/248, train_loss: 0.2462, step time: 0.3438
Batch 231/248, train_loss: 0.9994, step time: 0.3808
Batch 232/248, train_loss: 0.2146, step time: 0.3659
Batch 233/248, train_loss: 0.9996, step time: 0.3806
Batch 234/248, train_loss: 0.9773, step time: 0.3465
Batch 235/248, train_loss: 0.9727, step time: 0.3780
Batch 236/248, train_loss: 0.9990, step time: 0.3490
Batch 237/248, train_loss: 0.2329, step time: 0.3717
Batch 238/248, train_loss: 0.2052, step time: 0.3829
Batch 239/248, train_loss: 0.0890, step time: 0.3583
Batch 240/248, train_loss: 0.6766, step time: 0.3455
Batch 241/248, train_loss: 0.9999, step time: 0.3656
Batch 242/248, train_loss: 0.8542, step time: 0.3396
Batch 243/248, train_loss: 0.9995, step time: 0.3620
Batch 244/248, train_loss: 0.9724, step time: 0.3644
Batch 245/248, train_loss: 0.1902, step time: 0.3528
Batch 246/248, train_loss: 0.9883, step time: 0.3400
Batch 247/248, train_loss: 0.1107, step time: 0.3669
Batch 248/248, train_loss: 1.0000, step time: 0.3817

Labels

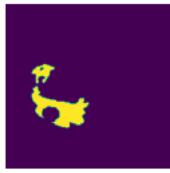
TC



WT



ET



Predictions



VAL

```
Batch 1/31, val_loss: 0.8806
Batch 2/31, val_loss: 0.9992
Batch 3/31, val_loss: 0.9965
Batch 4/31, val_loss: 0.9923
Batch 5/31, val_loss: 0.9998
Batch 6/31, val_loss: 0.7385
Batch 7/31, val_loss: 0.8600
Batch 8/31, val_loss: 0.9823
Batch 9/31, val_loss: 0.7279
Batch 10/31, val_loss: 0.9615
Batch 11/31, val_loss: 0.8495
Batch 12/31, val_loss: 0.9767
Batch 13/31, val_loss: 0.9857
Batch 14/31, val_loss: 0.9700
Batch 15/31, val_loss: 0.9947
Batch 16/31, val_loss: 0.9912
Batch 17/31, val_loss: 0.9994
Batch 18/31, val_loss: 0.9830
Batch 19/31, val_loss: 0.7747
Batch 20/31, val_loss: 0.8825
Batch 21/31, val_loss: 0.9246
Batch 22/31, val_loss: 0.9976
Batch 23/31, val_loss: 0.9891
Batch 24/31, val_loss: 0.7501
Batch 25/31, val_loss: 0.8186
Batch 26/31, val_loss: 0.9495
Batch 27/31, val_loss: 0.9983
Batch 28/31, val_loss: 0.7850
Batch 29/31, val_loss: 0.9975
Batch 30/31, val_loss: 0.9766
Batch 31/31, val_loss: 0.9932
```

Labels

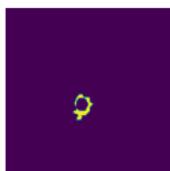
TC



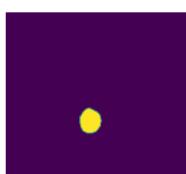
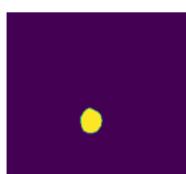
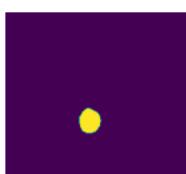
WT



ET



Predictions



epoch 64

```
average train loss: 0.5951
average validation loss: 0.9266
saved as best model: True
current mean dice: 0.3107
current TC dice: 0.3254
current WT dice: 0.3317
```

```
---- current ET dice: 0.3042
Best Mean Metric: 0.3107
time consuming of epoch 64 is: 1389.6312
-----
epoch 65/100
TRAIN
Batch 1/248, train_loss: 0.1101, step time: 0.3849
Batch 2/248, train_loss: 0.9992, step time: 0.3523
Batch 3/248, train_loss: 0.9300, step time: 0.3743
Batch 4/248, train_loss: 0.9993, step time: 0.3513
Batch 5/248, train_loss: 0.7358, step time: 0.3683
Batch 6/248, train_loss: 0.6726, step time: 0.3581
Batch 7/248, train_loss: 0.1211, step time: 0.3634
Batch 8/248, train_loss: 0.7516, step time: 0.3558
Batch 9/248, train_loss: 0.0772, step time: 0.3409
Batch 10/248, train_loss: 0.8714, step time: 0.3564
Batch 11/248, train_loss: 0.6845, step time: 0.3459
Batch 12/248, train_loss: 0.9842, step time: 0.3468
Batch 13/248, train_loss: 0.9428, step time: 0.3428
Batch 14/248, train_loss: 0.0836, step time: 0.3849
Batch 15/248, train_loss: 0.8503, step time: 0.3432
Batch 16/248, train_loss: 0.6113, step time: 0.3581
Batch 17/248, train_loss: 0.9880, step time: 0.3423
Batch 18/248, train_loss: 0.9619, step time: 0.3790
Batch 19/248, train_loss: 0.1494, step time: 0.3390
Batch 20/248, train_loss: 0.6150, step time: 0.3436
Batch 21/248, train_loss: 0.1567, step time: 0.3776
Batch 22/248, train_loss: 0.9998, step time: 0.3397
Batch 23/248, train_loss: 0.9999, step time: 0.3398
Batch 24/248, train_loss: 0.2337, step time: 0.3573
Batch 25/248, train_loss: 0.1231, step time: 0.3438
Batch 26/248, train_loss: 0.9738, step time: 0.3567
Batch 27/248, train_loss: 0.1013, step time: 0.3727
Batch 28/248, train_loss: 0.5762, step time: 0.3476
Batch 29/248, train_loss: 0.9939, step time: 0.3784
Batch 30/248, train_loss: 0.6463, step time: 0.3775
Batch 31/248, train_loss: 0.8697, step time: 0.3581
Batch 32/248, train_loss: 0.2016, step time: 0.3601
Batch 33/248, train_loss: 0.1053, step time: 0.3523
Batch 34/248, train_loss: 0.0839, step time: 0.3564
Batch 35/248, train_loss: 0.1800, step time: 0.3565
Batch 36/248, train_loss: 0.9973, step time: 0.3767
Batch 37/248, train_loss: 0.3597, step time: 0.3514
Batch 38/248, train_loss: 0.7974, step time: 0.3833
Batch 39/248, train_loss: 0.9412, step time: 0.3516
Batch 40/248, train_loss: 1.0000, step time: 0.3702
Batch 41/248, train_loss: 0.2869, step time: 0.3506
Batch 42/248, train_loss: 0.1273, step time: 0.3430
Batch 43/248, train_loss: 0.0994, step time: 0.3454
Batch 44/248, train_loss: 0.4371, step time: 0.3805
Batch 45/248, train_loss: 0.8077, step time: 0.3424
Batch 46/248, train_loss: 0.3974, step time: 0.3393
Batch 47/248, train_loss: 0.5389, step time: 0.3658
Batch 48/248, train_loss: 0.4680, step time: 0.3601
Batch 49/248, train_loss: 0.9710, step time: 0.3408
Batch 50/248, train_loss: 0.6440, step time: 0.3426
Batch 51/248, train_loss: 0.6264, step time: 0.3473
Batch 52/248, train_loss: 0.4326, step time: 0.3390
Batch 53/248, train_loss: 0.8648, step time: 0.3447
Batch 54/248, train_loss: 0.6344, step time: 0.3675
Batch 55/248, train_loss: 0.8547, step time: 0.3727
Batch 56/248, train_loss: 0.6696, step time: 0.3562
Batch 57/248, train_loss: 0.6538, step time: 0.3793
Batch 58/248, train_loss: 0.1660, step time: 0.3643
Batch 59/248, train_loss: 0.2512, step time: 0.3435
Batch 60/248, train_loss: 0.1461, step time: 0.3441
Batch 61/248, train_loss: 0.2572, step time: 0.3451
Batch 62/248, train_loss: 0.8791, step time: 0.3652
Batch 63/248, train_loss: 0.9700, step time: 0.3516
Batch 64/248, train_loss: 0.9682, step time: 0.3577
Batch 65/248, train_loss: 0.6791, step time: 0.3785
Batch 66/248, train_loss: 0.6358, step time: 0.3767
Batch 67/248, train_loss: 0.1622, step time: 0.3859
Batch 68/248, train_loss: 0.1747, step time: 0.3797
Batch 69/248, train_loss: 0.9997, step time: 0.3769
Batch 70/248, train_loss: 0.2402, step time: 0.3805
Batch 71/248, train_loss: 0.3074, step time: 0.3581
Batch 72/248, train_loss: 0.1500, step time: 0.3474
Batch 73/248, train_loss: 0.2952, step time: 0.3504
Batch 74/248, train_loss: 0.9986, step time: 0.3439
Batch 75/248, train_loss: 0.2670, step time: 0.3435
Batch 76/248, train_loss: 0.9995, step time: 0.3818
Batch 77/248, train_loss: 0.9995, step time: 0.3829
Batch 78/248, train_loss: 0.3881, step time: 0.3580
Batch 79/248, train_loss: 0.5755, step time: 0.3822
```

Batch 79/248, train_loss: 0.5555, step time: 0.3622
Batch 80/248, train_loss: 0.7219, step time: 0.3794
Batch 81/248, train_loss: 0.8127, step time: 0.3767
Batch 82/248, train_loss: 0.2090, step time: 0.3392
Batch 83/248, train_loss: 0.9755, step time: 0.3813
Batch 84/248, train_loss: 0.6415, step time: 0.3513
Batch 85/248, train_loss: 0.9791, step time: 0.3783
Batch 86/248, train_loss: 0.3311, step time: 0.3446
Batch 87/248, train_loss: 0.9814, step time: 0.3743
Batch 88/248, train_loss: 0.9655, step time: 0.3462
Batch 89/248, train_loss: 0.1132, step time: 0.3803
Batch 90/248, train_loss: 0.6543, step time: 0.3749
Batch 91/248, train_loss: 0.9806, step time: 0.3434
Batch 92/248, train_loss: 0.6294, step time: 0.3530
Batch 93/248, train_loss: 0.2467, step time: 0.3477
Batch 94/248, train_loss: 0.9734, step time: 0.3835
Batch 95/248, train_loss: 0.3530, step time: 0.3635
Batch 96/248, train_loss: 0.3487, step time: 0.3577
Batch 97/248, train_loss: 0.9998, step time: 0.3486
Batch 98/248, train_loss: 0.1920, step time: 0.3816
Batch 99/248, train_loss: 0.9419, step time: 0.3430
Batch 100/248, train_loss: 0.9898, step time: 0.3669
Batch 101/248, train_loss: 0.0796, step time: 0.3632
Batch 102/248, train_loss: 0.4531, step time: 0.3843
Batch 103/248, train_loss: 0.9752, step time: 0.3526
Batch 104/248, train_loss: 0.4626, step time: 0.3609
Batch 105/248, train_loss: 0.1388, step time: 0.3678
Batch 106/248, train_loss: 0.7011, step time: 0.3663
Batch 107/248, train_loss: 0.9339, step time: 0.3793
Batch 108/248, train_loss: 0.9504, step time: 0.3807
Batch 109/248, train_loss: 0.9977, step time: 0.3701
Batch 110/248, train_loss: 0.7538, step time: 0.3811
Batch 111/248, train_loss: 0.1636, step time: 0.3697
Batch 112/248, train_loss: 0.2434, step time: 0.3410
Batch 113/248, train_loss: 0.9997, step time: 0.3401
Batch 114/248, train_loss: 0.2066, step time: 0.3680
Batch 115/248, train_loss: 0.4924, step time: 0.3815
Batch 116/248, train_loss: 0.1143, step time: 0.3805
Batch 117/248, train_loss: 0.9901, step time: 0.3537
Batch 118/248, train_loss: 0.9295, step time: 0.3682
Batch 119/248, train_loss: 0.5678, step time: 0.3579
Batch 120/248, train_loss: 0.6009, step time: 0.3724
Batch 121/248, train_loss: 0.8666, step time: 0.3709
Batch 122/248, train_loss: 0.9348, step time: 0.3602
Batch 123/248, train_loss: 0.1813, step time: 0.3397
Batch 124/248, train_loss: 0.9194, step time: 0.3774
Batch 125/248, train_loss: 0.9874, step time: 0.3802
Batch 126/248, train_loss: 0.3583, step time: 0.3821
Batch 127/248, train_loss: 0.4823, step time: 0.3648
Batch 128/248, train_loss: 0.7851, step time: 0.3463
Batch 129/248, train_loss: 0.1892, step time: 0.3445
Batch 130/248, train_loss: 0.1996, step time: 0.3484
Batch 131/248, train_loss: 0.9314, step time: 0.3503
Batch 132/248, train_loss: 0.9170, step time: 0.3660
Batch 133/248, train_loss: 0.2041, step time: 0.3739
Batch 134/248, train_loss: 1.0000, step time: 0.3699
Batch 135/248, train_loss: 0.9619, step time: 0.3812
Batch 136/248, train_loss: 0.7048, step time: 0.3662
Batch 137/248, train_loss: 0.1728, step time: 0.3436
Batch 138/248, train_loss: 0.1479, step time: 0.3791
Batch 139/248, train_loss: 0.2067, step time: 0.3650
Batch 140/248, train_loss: 0.6794, step time: 0.3664
Batch 141/248, train_loss: 0.3030, step time: 0.3729
Batch 142/248, train_loss: 0.9909, step time: 0.3558
Batch 143/248, train_loss: 0.7420, step time: 0.3712
Batch 144/248, train_loss: 0.2046, step time: 0.3735
Batch 145/248, train_loss: 0.1477, step time: 0.3861
Batch 146/248, train_loss: 0.9886, step time: 0.3479
Batch 147/248, train_loss: 0.0860, step time: 0.3800
Batch 148/248, train_loss: 0.9559, step time: 0.3646
Batch 149/248, train_loss: 0.4338, step time: 0.3671
Batch 150/248, train_loss: 0.5484, step time: 0.3453
Batch 151/248, train_loss: 0.9295, step time: 0.3525
Batch 152/248, train_loss: 0.0772, step time: 0.3756
Batch 153/248, train_loss: 0.8848, step time: 0.3632
Batch 154/248, train_loss: 0.9746, step time: 0.3764
Batch 155/248, train_loss: 0.4581, step time: 0.3561
Batch 156/248, train_loss: 0.4937, step time: 0.3674
Batch 157/248, train_loss: 0.4103, step time: 0.3628
Batch 158/248, train_loss: 0.9984, step time: 0.3513
Batch 159/248, train_loss: 0.9944, step time: 0.3452
Batch 160/248, train_loss: 0.1859, step time: 0.3659
Batch 161/248, train_loss: 0.3957, step time: 0.3636
Batch 162/248, train_loss: 0.1419, step time: 0.3431
Batch 163/248, train_loss: 0.9303, step time: 0.3401

Batch 164/248, train_loss: 0.5178, step time: 0.3585
Batch 165/248, train_loss: 0.9983, step time: 0.3797
Batch 166/248, train_loss: 0.8510, step time: 0.3733
Batch 167/248, train_loss: 0.5761, step time: 0.3433
Batch 168/248, train_loss: 0.4868, step time: 0.3395
Batch 169/248, train_loss: 0.2416, step time: 0.3444
Batch 170/248, train_loss: 0.9872, step time: 0.3398
Batch 171/248, train_loss: 0.1202, step time: 0.3545
Batch 172/248, train_loss: 0.9996, step time: 0.3694
Batch 173/248, train_loss: 0.1648, step time: 0.3750
Batch 174/248, train_loss: 0.9710, step time: 0.3626
Batch 175/248, train_loss: 0.1863, step time: 0.3740
Batch 176/248, train_loss: 0.6797, step time: 0.3579
Batch 177/248, train_loss: 0.9917, step time: 0.3441
Batch 178/248, train_loss: 0.3201, step time: 0.3766
Batch 179/248, train_loss: 0.1259, step time: 0.3835
Batch 180/248, train_loss: 0.5676, step time: 0.3485
Batch 181/248, train_loss: 0.1645, step time: 0.3703
Batch 182/248, train_loss: 0.9296, step time: 0.3831
Batch 183/248, train_loss: 0.4568, step time: 0.3523
Batch 184/248, train_loss: 0.8753, step time: 0.3477
Batch 185/248, train_loss: 0.4549, step time: 0.3662
Batch 186/248, train_loss: 0.2084, step time: 0.3739
Batch 187/248, train_loss: 0.3065, step time: 0.3620
Batch 188/248, train_loss: 0.5289, step time: 0.3747
Batch 189/248, train_loss: 0.9992, step time: 0.3570
Batch 190/248, train_loss: 0.3584, step time: 0.3486
Batch 191/248, train_loss: 0.9993, step time: 0.3803
Batch 192/248, train_loss: 0.3831, step time: 0.3417
Batch 193/248, train_loss: 0.7396, step time: 0.3670
Batch 194/248, train_loss: 0.6163, step time: 0.3662
Batch 195/248, train_loss: 0.9999, step time: 0.3768
Batch 196/248, train_loss: 0.9999, step time: 0.3808
Batch 197/248, train_loss: 0.7922, step time: 0.3499
Batch 198/248, train_loss: 1.0000, step time: 0.3713
Batch 199/248, train_loss: 0.5424, step time: 0.3582
Batch 200/248, train_loss: 0.3859, step time: 0.3686
Batch 201/248, train_loss: 0.2238, step time: 0.3645
Batch 202/248, train_loss: 0.7476, step time: 0.3430
Batch 203/248, train_loss: 0.9861, step time: 0.3748
Batch 204/248, train_loss: 0.1526, step time: 0.3780
Batch 205/248, train_loss: 0.8766, step time: 0.3436
Batch 206/248, train_loss: 0.9927, step time: 0.3768
Batch 207/248, train_loss: 0.1557, step time: 0.3862
Batch 208/248, train_loss: 0.4456, step time: 0.3646
Batch 209/248, train_loss: 0.3259, step time: 0.3520
Batch 210/248, train_loss: 0.1315, step time: 0.3799
Batch 211/248, train_loss: 0.1445, step time: 0.3664
Batch 212/248, train_loss: 0.6967, step time: 0.3846
Batch 213/248, train_loss: 0.6661, step time: 0.3584
Batch 214/248, train_loss: 0.2610, step time: 0.3420
Batch 215/248, train_loss: 0.7668, step time: 0.3635
Batch 216/248, train_loss: 0.2939, step time: 0.3518
Batch 217/248, train_loss: 0.8986, step time: 0.3513
Batch 218/248, train_loss: 0.9952, step time: 0.3664
Batch 219/248, train_loss: 0.1965, step time: 0.3626
Batch 220/248, train_loss: 0.7788, step time: 0.3570
Batch 221/248, train_loss: 0.7780, step time: 0.3680
Batch 222/248, train_loss: 0.2473, step time: 0.3655
Batch 223/248, train_loss: 0.0886, step time: 0.3833
Batch 224/248, train_loss: 0.1486, step time: 0.3643
Batch 225/248, train_loss: 0.9777, step time: 0.3439
Batch 226/248, train_loss: 0.8879, step time: 0.3813
Batch 227/248, train_loss: 0.2793, step time: 0.3675
Batch 228/248, train_loss: 0.7758, step time: 0.3803
Batch 229/248, train_loss: 0.1666, step time: 0.3535
Batch 230/248, train_loss: 0.2256, step time: 0.3455
Batch 231/248, train_loss: 0.9974, step time: 0.3527
Batch 232/248, train_loss: 0.2116, step time: 0.3791
Batch 233/248, train_loss: 0.9991, step time: 0.3470
Batch 234/248, train_loss: 0.9892, step time: 0.3664
Batch 235/248, train_loss: 0.9716, step time: 0.3644
Batch 236/248, train_loss: 0.9991, step time: 0.3757
Batch 237/248, train_loss: 0.2258, step time: 0.3535
Batch 238/248, train_loss: 0.2171, step time: 0.3529
Batch 239/248, train_loss: 0.1132, step time: 0.3420
Batch 240/248, train_loss: 0.6821, step time: 0.3542
Batch 241/248, train_loss: 1.0000, step time: 0.3575
Batch 242/248, train_loss: 0.8648, step time: 0.3800
Batch 243/248, train_loss: 0.9995, step time: 0.3487
Batch 244/248, train_loss: 0.9969, step time: 0.3794
Batch 245/248, train_loss: 0.1804, step time: 0.3784
Batch 246/248, train_loss: 0.9986, step time: 0.3772
Batch 247/248, train_loss: 0.1225, step time: 0.3798
Batch 248/248, train_loss: 1.0000, step time: 0.3446

Labels

TC



WT



ET



Predictions

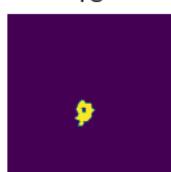


VAL

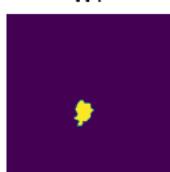
```
Batch 1/31, val_loss: 0.8704
Batch 2/31, val_loss: 0.9996
Batch 3/31, val_loss: 0.9978
Batch 4/31, val_loss: 0.9921
Batch 5/31, val_loss: 0.9998
Batch 6/31, val_loss: 0.7525
Batch 7/31, val_loss: 0.8558
Batch 8/31, val_loss: 0.9802
Batch 9/31, val_loss: 0.7412
Batch 10/31, val_loss: 0.9691
Batch 11/31, val_loss: 0.8556
Batch 12/31, val_loss: 0.9784
Batch 13/31, val_loss: 0.9922
Batch 14/31, val_loss: 0.9732
Batch 15/31, val_loss: 0.9999
Batch 16/31, val_loss: 0.9847
Batch 17/31, val_loss: 0.9997
Batch 18/31, val_loss: 0.9855
Batch 19/31, val_loss: 0.7898
Batch 20/31, val_loss: 0.8834
Batch 21/31, val_loss: 0.9335
Batch 22/31, val_loss: 0.9985
Batch 23/31, val_loss: 0.9918
Batch 24/31, val_loss: 0.7506
Batch 25/31, val_loss: 0.8209
Batch 26/31, val_loss: 0.9491
Batch 27/31, val_loss: 0.9986
Batch 28/31, val_loss: 0.7869
Batch 29/31, val_loss: 0.9974
Batch 30/31, val_loss: 0.9988
Batch 31/31, val_loss: 0.9932
```

Labels

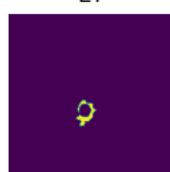
TC



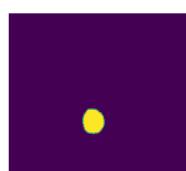
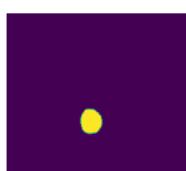
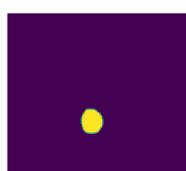
WT



ET



Predictions



epoch 65

```
average train loss: 0.5920
average validation loss: 0.9297
saved as best model: False
current mean dice: 0.3088
current TC dice: 0.3230
    0.0000  0.0000
```

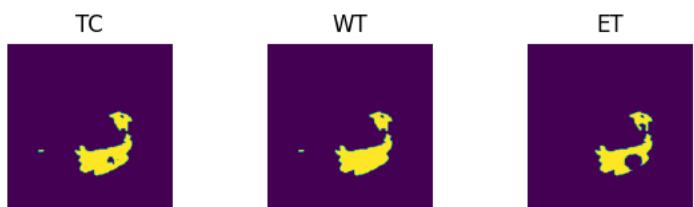
```
current WI dice: 0.3289
current ET dice: 0.3039
Best Mean Metric: 0.3107
time consuming of epoch 65 is: 1385.8502
-----
epoch 66/100
TRAIN
Batch 1/248, train_loss: 0.1330, step time: 0.3429
Batch 2/248, train_loss: 0.9999, step time: 0.3791
Batch 3/248, train_loss: 0.9286, step time: 0.3618
Batch 4/248, train_loss: 0.9997, step time: 0.3741
Batch 5/248, train_loss: 0.7035, step time: 0.3794
Batch 6/248, train_loss: 0.7098, step time: 0.3568
Batch 7/248, train_loss: 0.1162, step time: 0.3380
Batch 8/248, train_loss: 0.7465, step time: 0.3519
Batch 9/248, train_loss: 0.0760, step time: 0.3727
Batch 10/248, train_loss: 0.8524, step time: 0.3692
Batch 11/248, train_loss: 0.6645, step time: 0.3753
Batch 12/248, train_loss: 0.9993, step time: 0.3652
Batch 13/248, train_loss: 0.9304, step time: 0.3439
Batch 14/248, train_loss: 0.0785, step time: 0.3452
Batch 15/248, train_loss: 0.8513, step time: 0.3517
Batch 16/248, train_loss: 0.5947, step time: 0.3777
Batch 17/248, train_loss: 0.9843, step time: 0.3493
Batch 18/248, train_loss: 0.9577, step time: 0.3752
Batch 19/248, train_loss: 0.1541, step time: 0.3830
Batch 20/248, train_loss: 0.6236, step time: 0.3526
Batch 21/248, train_loss: 0.1470, step time: 0.3704
Batch 22/248, train_loss: 0.9998, step time: 0.3796
Batch 23/248, train_loss: 0.9998, step time: 0.3460
Batch 24/248, train_loss: 0.2143, step time: 0.3410
Batch 25/248, train_loss: 0.1152, step time: 0.3552
Batch 26/248, train_loss: 0.9770, step time: 0.3836
Batch 27/248, train_loss: 0.1042, step time: 0.3599
Batch 28/248, train_loss: 0.5586, step time: 0.3737
Batch 29/248, train_loss: 0.9826, step time: 0.3619
Batch 30/248, train_loss: 0.6548, step time: 0.3679
Batch 31/248, train_loss: 0.8372, step time: 0.3425
Batch 32/248, train_loss: 0.2138, step time: 0.3773
Batch 33/248, train_loss: 0.1099, step time: 0.3481
Batch 34/248, train_loss: 0.0846, step time: 0.3605
Batch 35/248, train_loss: 0.1708, step time: 0.3762
Batch 36/248, train_loss: 0.9987, step time: 0.3676
Batch 37/248, train_loss: 0.3617, step time: 0.3534
Batch 38/248, train_loss: 0.7890, step time: 0.3828
Batch 39/248, train_loss: 0.4439, step time: 0.3673
Batch 40/248, train_loss: 1.0000, step time: 0.3422
Batch 41/248, train_loss: 0.3309, step time: 0.3396
Batch 42/248, train_loss: 0.1262, step time: 0.3611
Batch 43/248, train_loss: 0.0962, step time: 0.3812
Batch 44/248, train_loss: 0.4358, step time: 0.3773
Batch 45/248, train_loss: 0.7951, step time: 0.3502
Batch 46/248, train_loss: 0.4322, step time: 0.3794
Batch 47/248, train_loss: 0.5222, step time: 0.3597
Batch 48/248, train_loss: 0.4582, step time: 0.3814
Batch 49/248, train_loss: 0.9572, step time: 0.3531
Batch 50/248, train_loss: 0.6219, step time: 0.3807
Batch 51/248, train_loss: 0.6026, step time: 0.3381
Batch 52/248, train_loss: 0.4023, step time: 0.3803
Batch 53/248, train_loss: 0.8542, step time: 0.3414
Batch 54/248, train_loss: 0.5855, step time: 0.3691
Batch 55/248, train_loss: 0.8451, step time: 0.3664
Batch 56/248, train_loss: 0.7008, step time: 0.3498
Batch 57/248, train_loss: 0.6395, step time: 0.3658
Batch 58/248, train_loss: 0.1653, step time: 0.3753
Batch 59/248, train_loss: 0.2289, step time: 0.3788
Batch 60/248, train_loss: 0.1375, step time: 0.3817
Batch 61/248, train_loss: 0.2427, step time: 0.3780
Batch 62/248, train_loss: 0.8839, step time: 0.3753
Batch 63/248, train_loss: 0.9701, step time: 0.3463
Batch 64/248, train_loss: 0.9728, step time: 0.3660
Batch 65/248, train_loss: 0.6682, step time: 0.3502
Batch 66/248, train_loss: 0.6442, step time: 0.3480
Batch 67/248, train_loss: 0.1421, step time: 0.3431
Batch 68/248, train_loss: 0.1768, step time: 0.3542
Batch 69/248, train_loss: 0.9952, step time: 0.3490
Batch 70/248, train_loss: 0.2447, step time: 0.3431
Batch 71/248, train_loss: 0.2490, step time: 0.3811
Batch 72/248, train_loss: 0.1279, step time: 0.3652
Batch 73/248, train_loss: 0.3241, step time: 0.3476
Batch 74/248, train_loss: 0.9999, step time: 0.3491
Batch 75/248, train_loss: 0.2381, step time: 0.3462
Batch 76/248, train_loss: 0.9785, step time: 0.3575
Batch 77/248, train_loss: 0.9998, step time: 0.3389
Batch 78/248, train_loss: 0.3707, step time: 0.3435
```

Batch 79/248, train_loss: 0.5509, step time: 0.3607
Batch 80/248, train_loss: 0.7265, step time: 0.3739
Batch 81/248, train_loss: 0.8384, step time: 0.3620
Batch 82/248, train_loss: 0.1808, step time: 0.3681
Batch 83/248, train_loss: 0.9812, step time: 0.3441
Batch 84/248, train_loss: 0.6273, step time: 0.3424
Batch 85/248, train_loss: 0.9986, step time: 0.3426
Batch 86/248, train_loss: 0.5058, step time: 0.3432
Batch 87/248, train_loss: 0.9856, step time: 0.3534
Batch 88/248, train_loss: 0.9424, step time: 0.3813
Batch 89/248, train_loss: 0.1217, step time: 0.3872
Batch 90/248, train_loss: 0.6768, step time: 0.3444
Batch 91/248, train_loss: 0.9770, step time: 0.3803
Batch 92/248, train_loss: 0.6582, step time: 0.3399
Batch 93/248, train_loss: 0.3178, step time: 0.3433
Batch 94/248, train_loss: 0.9703, step time: 0.3471
Batch 95/248, train_loss: 0.3384, step time: 0.3672
Batch 96/248, train_loss: 0.3269, step time: 0.3783
Batch 97/248, train_loss: 1.0000, step time: 0.3390
Batch 98/248, train_loss: 0.2096, step time: 0.3869
Batch 99/248, train_loss: 0.9476, step time: 0.3693
Batch 100/248, train_loss: 0.9940, step time: 0.3499
Batch 101/248, train_loss: 0.0861, step time: 0.3402
Batch 102/248, train_loss: 0.4200, step time: 0.3475
Batch 103/248, train_loss: 0.9697, step time: 0.3791
Batch 104/248, train_loss: 0.4343, step time: 0.3429
Batch 105/248, train_loss: 0.1419, step time: 0.3466
Batch 106/248, train_loss: 0.6698, step time: 0.3798
Batch 107/248, train_loss: 0.9267, step time: 0.3665
Batch 108/248, train_loss: 0.9607, step time: 0.3477
Batch 109/248, train_loss: 0.9943, step time: 0.3423
Batch 110/248, train_loss: 0.7990, step time: 0.3598
Batch 111/248, train_loss: 0.1722, step time: 0.3840
Batch 112/248, train_loss: 0.2511, step time: 0.3428
Batch 113/248, train_loss: 0.9998, step time: 0.3728
Batch 114/248, train_loss: 0.2201, step time: 0.3712
Batch 115/248, train_loss: 0.4629, step time: 0.3471
Batch 116/248, train_loss: 0.1227, step time: 0.3827
Batch 117/248, train_loss: 0.9918, step time: 0.3661
Batch 118/248, train_loss: 0.9375, step time: 0.3436
Batch 119/248, train_loss: 0.5489, step time: 0.3472
Batch 120/248, train_loss: 0.5927, step time: 0.3501
Batch 121/248, train_loss: 0.8748, step time: 0.3548
Batch 122/248, train_loss: 0.9243, step time: 0.3713
Batch 123/248, train_loss: 0.1776, step time: 0.3431
Batch 124/248, train_loss: 0.9076, step time: 0.3851
Batch 125/248, train_loss: 0.9868, step time: 0.3830
Batch 126/248, train_loss: 0.3055, step time: 0.3677
Batch 127/248, train_loss: 0.4730, step time: 0.3823
Batch 128/248, train_loss: 0.7797, step time: 0.3530
Batch 129/248, train_loss: 0.1578, step time: 0.3563
Batch 130/248, train_loss: 0.1786, step time: 0.3649
Batch 131/248, train_loss: 0.9319, step time: 0.3561
Batch 132/248, train_loss: 0.9171, step time: 0.3549
Batch 133/248, train_loss: 0.2189, step time: 0.3411
Batch 134/248, train_loss: 1.0000, step time: 0.3446
Batch 135/248, train_loss: 0.9535, step time: 0.3595
Batch 136/248, train_loss: 0.6960, step time: 0.3712
Batch 137/248, train_loss: 0.1670, step time: 0.3791
Batch 138/248, train_loss: 0.1401, step time: 0.3658
Batch 139/248, train_loss: 0.1941, step time: 0.3407
Batch 140/248, train_loss: 0.6768, step time: 0.3400
Batch 141/248, train_loss: 0.2747, step time: 0.3411
Batch 142/248, train_loss: 0.9915, step time: 0.3549
Batch 143/248, train_loss: 0.7378, step time: 0.3615
Batch 144/248, train_loss: 0.1916, step time: 0.3527
Batch 145/248, train_loss: 0.1024, step time: 0.3709
Batch 146/248, train_loss: 0.9917, step time: 0.3453
Batch 147/248, train_loss: 0.0857, step time: 0.3714
Batch 148/248, train_loss: 0.9693, step time: 0.3724
Batch 149/248, train_loss: 0.4160, step time: 0.3760
Batch 150/248, train_loss: 0.5862, step time: 0.3676
Batch 151/248, train_loss: 0.9518, step time: 0.3564
Batch 152/248, train_loss: 0.0728, step time: 0.3570
Batch 153/248, train_loss: 0.8865, step time: 0.3837
Batch 154/248, train_loss: 0.9773, step time: 0.3632
Batch 155/248, train_loss: 0.4232, step time: 0.3579
Batch 156/248, train_loss: 0.4975, step time: 0.3390
Batch 157/248, train_loss: 0.4086, step time: 0.3420
Batch 158/248, train_loss: 0.9989, step time: 0.3703
Batch 159/248, train_loss: 0.9903, step time: 0.3619
Batch 160/248, train_loss: 0.2400, step time: 0.3765
Batch 161/248, train_loss: 0.3701, step time: 0.3745
Batch 162/248, train_loss: 0.1165, step time: 0.3789
Batch 163/248, train_loss: 0.9376, step time: 0.3402

Batch 164/248, train_loss: 0.5904, step time: 0.3603
Batch 165/248, train_loss: 0.9979, step time: 0.3753
Batch 166/248, train_loss: 0.8324, step time: 0.3625
Batch 167/248, train_loss: 0.5853, step time: 0.3838
Batch 168/248, train_loss: 0.4882, step time: 0.3770
Batch 169/248, train_loss: 0.2363, step time: 0.3448
Batch 170/248, train_loss: 0.9760, step time: 0.3416
Batch 171/248, train_loss: 0.1177, step time: 0.3827
Batch 172/248, train_loss: 0.9983, step time: 0.3541
Batch 173/248, train_loss: 0.1709, step time: 0.3733
Batch 174/248, train_loss: 0.9940, step time: 0.3795
Batch 175/248, train_loss: 0.2143, step time: 0.3390
Batch 176/248, train_loss: 0.6733, step time: 0.3816
Batch 177/248, train_loss: 0.9928, step time: 0.3456
Batch 178/248, train_loss: 0.2975, step time: 0.3551
Batch 179/248, train_loss: 0.1296, step time: 0.3704
Batch 180/248, train_loss: 0.5333, step time: 0.3814
Batch 181/248, train_loss: 0.1689, step time: 0.3450
Batch 182/248, train_loss: 0.9439, step time: 0.3753
Batch 183/248, train_loss: 0.4137, step time: 0.3435
Batch 184/248, train_loss: 0.8814, step time: 0.3411
Batch 185/248, train_loss: 0.4425, step time: 0.3697
Batch 186/248, train_loss: 0.2050, step time: 0.3397
Batch 187/248, train_loss: 0.3152, step time: 0.3817
Batch 188/248, train_loss: 0.5189, step time: 0.3545
Batch 189/248, train_loss: 0.9980, step time: 0.3772
Batch 190/248, train_loss: 0.3303, step time: 0.3755
Batch 191/248, train_loss: 0.9990, step time: 0.3441
Batch 192/248, train_loss: 0.3862, step time: 0.3469
Batch 193/248, train_loss: 0.7371, step time: 0.3806
Batch 194/248, train_loss: 0.6272, step time: 0.3825
Batch 195/248, train_loss: 0.9999, step time: 0.3637
Batch 196/248, train_loss: 0.9999, step time: 0.3519
Batch 197/248, train_loss: 0.7720, step time: 0.3673
Batch 198/248, train_loss: 1.0000, step time: 0.3742
Batch 199/248, train_loss: 0.5147, step time: 0.3839
Batch 200/248, train_loss: 0.3822, step time: 0.3726
Batch 201/248, train_loss: 0.2431, step time: 0.3572
Batch 202/248, train_loss: 0.7439, step time: 0.3773
Batch 203/248, train_loss: 0.9873, step time: 0.3598
Batch 204/248, train_loss: 0.1691, step time: 0.3477
Batch 205/248, train_loss: 0.8653, step time: 0.3614
Batch 206/248, train_loss: 0.9909, step time: 0.3817
Batch 207/248, train_loss: 0.1697, step time: 0.3463
Batch 208/248, train_loss: 0.4297, step time: 0.3867
Batch 209/248, train_loss: 0.3287, step time: 0.3576
Batch 210/248, train_loss: 0.1249, step time: 0.3546
Batch 211/248, train_loss: 0.1493, step time: 0.3543
Batch 212/248, train_loss: 0.6842, step time: 0.3577
Batch 213/248, train_loss: 0.6604, step time: 0.3451
Batch 214/248, train_loss: 0.2450, step time: 0.3581
Batch 215/248, train_loss: 0.7962, step time: 0.3431
Batch 216/248, train_loss: 0.2614, step time: 0.3472
Batch 217/248, train_loss: 0.9207, step time: 0.3664
Batch 218/248, train_loss: 0.9935, step time: 0.3721
Batch 219/248, train_loss: 0.2012, step time: 0.3429
Batch 220/248, train_loss: 0.7719, step time: 0.3687
Batch 221/248, train_loss: 0.7555, step time: 0.3657
Batch 222/248, train_loss: 0.2563, step time: 0.3721
Batch 223/248, train_loss: 0.0862, step time: 0.3819
Batch 224/248, train_loss: 0.1723, step time: 0.3581
Batch 225/248, train_loss: 0.9781, step time: 0.3710
Batch 226/248, train_loss: 0.9085, step time: 0.3854
Batch 227/248, train_loss: 0.2820, step time: 0.3436
Batch 228/248, train_loss: 0.7594, step time: 0.3864
Batch 229/248, train_loss: 0.1684, step time: 0.3563
Batch 230/248, train_loss: 0.2192, step time: 0.3507
Batch 231/248, train_loss: 0.9995, step time: 0.3706
Batch 232/248, train_loss: 0.1970, step time: 0.3496
Batch 233/248, train_loss: 0.9999, step time: 0.3495
Batch 234/248, train_loss: 0.9844, step time: 0.3425
Batch 235/248, train_loss: 0.9752, step time: 0.3617
Batch 236/248, train_loss: 0.9991, step time: 0.3530
Batch 237/248, train_loss: 0.2290, step time: 0.3535
Batch 238/248, train_loss: 0.2061, step time: 0.3513
Batch 239/248, train_loss: 0.0957, step time: 0.3570
Batch 240/248, train_loss: 0.6783, step time: 0.3388
Batch 241/248, train_loss: 0.9999, step time: 0.3638
Batch 242/248, train_loss: 0.8520, step time: 0.3591
Batch 243/248, train_loss: 0.9996, step time: 0.3613
Batch 244/248, train_loss: 0.9558, step time: 0.3722
Batch 245/248, train_loss: 0.1817, step time: 0.3804
Batch 246/248, train_loss: 0.9799, step time: 0.3438
Batch 247/248, train_loss: 0.1264, step time: 0.3773
Batch 248/248, train_loss: 1.0000, step time: 0.3671

Batch 240/240, training loss: 1.0000, step time: 0.0071

Labels



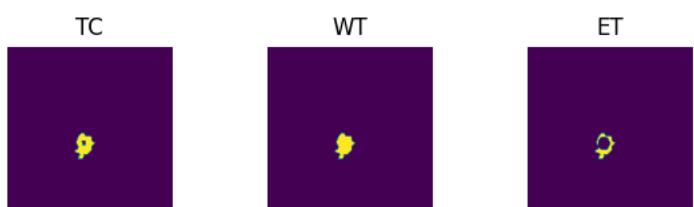
Predictions



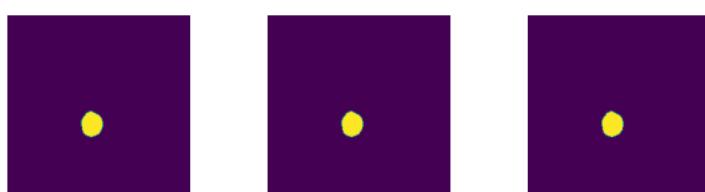
VAL

Batch 1/31, val_loss: 0.8777
Batch 2/31, val_loss: 0.9996
Batch 3/31, val_loss: 0.9940
Batch 4/31, val_loss: 0.9920
Batch 5/31, val_loss: 0.9998
Batch 6/31, val_loss: 0.7400
Batch 7/31, val_loss: 0.8564
Batch 8/31, val_loss: 0.9816
Batch 9/31, val_loss: 0.7289
Batch 10/31, val_loss: 0.9759
Batch 11/31, val_loss: 0.8554
Batch 12/31, val_loss: 0.9757
Batch 13/31, val_loss: 0.9883
Batch 14/31, val_loss: 0.9700
Batch 15/31, val_loss: 0.9999
Batch 16/31, val_loss: 0.9876
Batch 17/31, val_loss: 0.9992
Batch 18/31, val_loss: 0.9847
Batch 19/31, val_loss: 0.7896
Batch 20/31, val_loss: 0.8790
Batch 21/31, val_loss: 0.9278
Batch 22/31, val_loss: 0.9986
Batch 23/31, val_loss: 0.9903
Batch 24/31, val_loss: 0.7424
Batch 25/31, val_loss: 0.8177
Batch 26/31, val_loss: 0.9491
Batch 27/31, val_loss: 0.9976
Batch 28/31, val_loss: 0.7813
Batch 29/31, val_loss: 0.9952
Batch 30/31, val_loss: 0.9931
Batch 31/31, val_loss: 0.9935

Labels



Predictions



epoch 66

average train loss: 0.5876
average validation loss: 0.9278
saved as best model: False
current mean dice: 0.3104
current TC dice: 0.3246

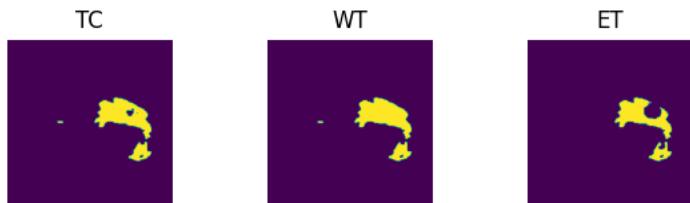
```
current WT dice: 0.3306
current ET dice: 0.3054
Best Mean Metric: 0.3107
time consuming of epoch 66 is: 1387.4231
-----
epoch 67/100
TRAIN
Batch 1/248, train_loss: 0.1284, step time: 0.3730
Batch 2/248, train_loss: 0.9975, step time: 0.3494
Batch 3/248, train_loss: 0.9221, step time: 0.3688
Batch 4/248, train_loss: 0.9993, step time: 0.3718
Batch 5/248, train_loss: 0.6988, step time: 0.3395
Batch 6/248, train_loss: 0.7178, step time: 0.3413
Batch 7/248, train_loss: 0.1167, step time: 0.3563
Batch 8/248, train_loss: 0.7504, step time: 0.3658
Batch 9/248, train_loss: 0.0723, step time: 0.3455
Batch 10/248, train_loss: 0.8470, step time: 0.3787
Batch 11/248, train_loss: 0.6489, step time: 0.3677
Batch 12/248, train_loss: 0.9983, step time: 0.3495
Batch 13/248, train_loss: 0.9239, step time: 0.3434
Batch 14/248, train_loss: 0.0758, step time: 0.3821
Batch 15/248, train_loss: 0.8377, step time: 0.3753
Batch 16/248, train_loss: 0.5801, step time: 0.3635
Batch 17/248, train_loss: 0.9866, step time: 0.3790
Batch 18/248, train_loss: 0.9578, step time: 0.3521
Batch 19/248, train_loss: 0.1567, step time: 0.3395
Batch 20/248, train_loss: 0.5950, step time: 0.3762
Batch 21/248, train_loss: 0.1524, step time: 0.3409
Batch 22/248, train_loss: 0.9998, step time: 0.3481
Batch 23/248, train_loss: 0.9997, step time: 0.3479
Batch 24/248, train_loss: 0.2290, step time: 0.3654
Batch 25/248, train_loss: 0.1155, step time: 0.3775
Batch 26/248, train_loss: 0.9725, step time: 0.3428
Batch 27/248, train_loss: 0.0973, step time: 0.3811
Batch 28/248, train_loss: 0.5362, step time: 0.3763
Batch 29/248, train_loss: 0.9842, step time: 0.3578
Batch 30/248, train_loss: 0.6356, step time: 0.3475
Batch 31/248, train_loss: 0.8267, step time: 0.3489
Batch 32/248, train_loss: 0.1857, step time: 0.3591
Batch 33/248, train_loss: 0.1147, step time: 0.3591
Batch 34/248, train_loss: 0.0801, step time: 0.3688
Batch 35/248, train_loss: 0.1553, step time: 0.3656
Batch 36/248, train_loss: 0.9962, step time: 0.3505
Batch 37/248, train_loss: 0.3633, step time: 0.3650
Batch 38/248, train_loss: 0.7792, step time: 0.3793
Batch 39/248, train_loss: 0.4275, step time: 0.3443
Batch 40/248, train_loss: 0.9991, step time: 0.3716
Batch 41/248, train_loss: 0.2560, step time: 0.3489
Batch 42/248, train_loss: 0.1176, step time: 0.3872
Batch 43/248, train_loss: 0.1161, step time: 0.3764
Batch 44/248, train_loss: 0.3619, step time: 0.3632
Batch 45/248, train_loss: 0.8929, step time: 0.3558
Batch 46/248, train_loss: 0.3601, step time: 0.3688
Batch 47/248, train_loss: 0.5052, step time: 0.3425
Batch 48/248, train_loss: 0.4977, step time: 0.3750
Batch 49/248, train_loss: 0.9574, step time: 0.3571
Batch 50/248, train_loss: 0.6130, step time: 0.3546
Batch 51/248, train_loss: 0.5710, step time: 0.3540
Batch 52/248, train_loss: 0.3989, step time: 0.3534
Batch 53/248, train_loss: 0.8439, step time: 0.3454
Batch 54/248, train_loss: 0.5812, step time: 0.3760
Batch 55/248, train_loss: 0.8504, step time: 0.3461
Batch 56/248, train_loss: 0.6306, step time: 0.3531
Batch 57/248, train_loss: 0.6475, step time: 0.3855
Batch 58/248, train_loss: 0.1597, step time: 0.3452
Batch 59/248, train_loss: 0.2339, step time: 0.3516
Batch 60/248, train_loss: 0.1555, step time: 0.3532
Batch 61/248, train_loss: 0.2598, step time: 0.3382
Batch 62/248, train_loss: 0.8534, step time: 0.3563
Batch 63/248, train_loss: 0.9805, step time: 0.3793
Batch 64/248, train_loss: 0.9639, step time: 0.3473
Batch 65/248, train_loss: 0.6344, step time: 0.3570
Batch 66/248, train_loss: 0.5939, step time: 0.3658
Batch 67/248, train_loss: 0.1516, step time: 0.3721
Batch 68/248, train_loss: 0.1886, step time: 0.3689
Batch 69/248, train_loss: 0.9997, step time: 0.3777
Batch 70/248, train_loss: 0.2317, step time: 0.3644
Batch 71/248, train_loss: 0.3074, step time: 0.3568
Batch 72/248, train_loss: 0.1263, step time: 0.3750
Batch 73/248, train_loss: 0.3527, step time: 0.3884
Batch 74/248, train_loss: 0.9982, step time: 0.3404
Batch 75/248, train_loss: 0.2399, step time: 0.3494
Batch 76/248, train_loss: 0.9829, step time: 0.3768
Batch 77/248, train_loss: 0.9977, step time: 0.3811
Batch 78/248, train_loss: 0.3596, step time: 0.3552
```

```
--. .-. , -.-_--. ----, --. ----  
Batch 79/248, train_loss: 0.5449, step time: 0.3644  
Batch 80/248, train_loss: 0.7244, step time: 0.3440  
Batch 81/248, train_loss: 0.8319, step time: 0.3546  
Batch 82/248, train_loss: 0.1817, step time: 0.3454  
Batch 83/248, train_loss: 0.9772, step time: 0.3834  
Batch 84/248, train_loss: 0.6098, step time: 0.3634  
Batch 85/248, train_loss: 0.9817, step time: 0.3798  
Batch 86/248, train_loss: 0.4553, step time: 0.3757  
Batch 87/248, train_loss: 0.9789, step time: 0.3432  
Batch 88/248, train_loss: 0.9452, step time: 0.3411  
Batch 89/248, train_loss: 0.1162, step time: 0.3769  
Batch 90/248, train_loss: 0.7391, step time: 0.3425  
Batch 91/248, train_loss: 0.9793, step time: 0.3484  
Batch 92/248, train_loss: 0.6422, step time: 0.3668  
Batch 93/248, train_loss: 0.2414, step time: 0.3393  
Batch 94/248, train_loss: 0.9693, step time: 0.3437  
Batch 95/248, train_loss: 0.3331, step time: 0.3506  
Batch 96/248, train_loss: 0.3476, step time: 0.3750  
Batch 97/248, train_loss: 1.0000, step time: 0.3486  
Batch 98/248, train_loss: 0.2090, step time: 0.3478  
Batch 99/248, train_loss: 0.9505, step time: 0.3832  
Batch 100/248, train_loss: 0.9922, step time: 0.3496  
Batch 101/248, train_loss: 0.0824, step time: 0.3512  
Batch 102/248, train_loss: 0.4301, step time: 0.3783  
Batch 103/248, train_loss: 0.9775, step time: 0.3604  
Batch 104/248, train_loss: 0.4680, step time: 0.3447  
Batch 105/248, train_loss: 0.1537, step time: 0.3773  
Batch 106/248, train_loss: 0.6744, step time: 0.3549  
Batch 107/248, train_loss: 0.9209, step time: 0.3780  
Batch 108/248, train_loss: 0.9665, step time: 0.3417  
Batch 109/248, train_loss: 0.9947, step time: 0.3412  
Batch 110/248, train_loss: 0.7215, step time: 0.3702  
Batch 111/248, train_loss: 0.1744, step time: 0.3735  
Batch 112/248, train_loss: 0.2485, step time: 0.3839  
Batch 113/248, train_loss: 1.0000, step time: 0.3767  
Batch 114/248, train_loss: 0.2332, step time: 0.3538  
Batch 115/248, train_loss: 0.4630, step time: 0.3417  
Batch 116/248, train_loss: 0.1323, step time: 0.3705  
Batch 117/248, train_loss: 0.9984, step time: 0.3533  
Batch 118/248, train_loss: 0.9486, step time: 0.3655  
Batch 119/248, train_loss: 0.5786, step time: 0.3747  
Batch 120/248, train_loss: 0.5795, step time: 0.3636  
Batch 121/248, train_loss: 0.8740, step time: 0.3651  
Batch 122/248, train_loss: 0.9112, step time: 0.3774  
Batch 123/248, train_loss: 0.1931, step time: 0.3417  
Batch 124/248, train_loss: 0.9442, step time: 0.3424  
Batch 125/248, train_loss: 0.9873, step time: 0.3838  
Batch 126/248, train_loss: 0.5498, step time: 0.3823  
Batch 127/248, train_loss: 0.5446, step time: 0.3441  
Batch 128/248, train_loss: 0.8080, step time: 0.3411  
Batch 129/248, train_loss: 0.1498, step time: 0.3779  
Batch 130/248, train_loss: 0.1676, step time: 0.3388  
Batch 131/248, train_loss: 0.9256, step time: 0.3720  
Batch 132/248, train_loss: 0.9193, step time: 0.3534  
Batch 133/248, train_loss: 0.2328, step time: 0.3429  
Batch 134/248, train_loss: 0.9997, step time: 0.3402  
Batch 135/248, train_loss: 0.9509, step time: 0.3824  
Batch 136/248, train_loss: 0.6855, step time: 0.3627  
Batch 137/248, train_loss: 0.3076, step time: 0.3777  
Batch 138/248, train_loss: 0.1559, step time: 0.3496  
Batch 139/248, train_loss: 0.2929, step time: 0.3431  
Batch 140/248, train_loss: 0.6649, step time: 0.3826  
Batch 141/248, train_loss: 0.2963, step time: 0.3694  
Batch 142/248, train_loss: 0.9991, step time: 0.3698  
Batch 143/248, train_loss: 0.7494, step time: 0.3409  
Batch 144/248, train_loss: 0.2091, step time: 0.3623  
Batch 145/248, train_loss: 0.1066, step time: 0.3813  
Batch 146/248, train_loss: 0.9938, step time: 0.3694  
Batch 147/248, train_loss: 0.0853, step time: 0.3446  
Batch 148/248, train_loss: 0.9603, step time: 0.3421  
Batch 149/248, train_loss: 0.4259, step time: 0.3787  
Batch 150/248, train_loss: 0.5851, step time: 0.3513  
Batch 151/248, train_loss: 0.9489, step time: 0.3614  
Batch 152/248, train_loss: 0.0775, step time: 0.3739  
Batch 153/248, train_loss: 0.9108, step time: 0.3822  
Batch 154/248, train_loss: 0.9773, step time: 0.3777  
Batch 155/248, train_loss: 0.5014, step time: 0.3756  
Batch 156/248, train_loss: 0.4695, step time: 0.3685  
Batch 157/248, train_loss: 0.4170, step time: 0.3419  
Batch 158/248, train_loss: 0.9998, step time: 0.3847  
Batch 159/248, train_loss: 0.9969, step time: 0.3448  
Batch 160/248, train_loss: 0.2091, step time: 0.3703  
Batch 161/248, train_loss: 0.3591, step time: 0.3729  
Batch 162/248, train_loss: 0.1550, step time: 0.3511  
Batch 163/248, train_loss: 0.9242, step time: 0.3500
```

Batch 105/248, train_loss: 0.9949, step time: 0.3665
Batch 164/248, train_loss: 0.5074, step time: 0.3478
Batch 165/248, train_loss: 0.9976, step time: 0.3828
Batch 166/248, train_loss: 0.8292, step time: 0.3713
Batch 167/248, train_loss: 0.5872, step time: 0.3443
Batch 168/248, train_loss: 0.4975, step time: 0.3779
Batch 169/248, train_loss: 0.2245, step time: 0.3392
Batch 170/248, train_loss: 0.9797, step time: 0.3826
Batch 171/248, train_loss: 0.1426, step time: 0.3781
Batch 172/248, train_loss: 0.9997, step time: 0.3597
Batch 173/248, train_loss: 0.1669, step time: 0.3756
Batch 174/248, train_loss: 0.9991, step time: 0.3406
Batch 175/248, train_loss: 0.2153, step time: 0.3546
Batch 176/248, train_loss: 0.6653, step time: 0.3863
Batch 177/248, train_loss: 0.9944, step time: 0.3616
Batch 178/248, train_loss: 0.2943, step time: 0.3480
Batch 179/248, train_loss: 0.1243, step time: 0.3811
Batch 180/248, train_loss: 0.5100, step time: 0.3725
Batch 181/248, train_loss: 0.1599, step time: 0.3699
Batch 182/248, train_loss: 0.9398, step time: 0.3519
Batch 183/248, train_loss: 0.4940, step time: 0.3828
Batch 184/248, train_loss: 0.8774, step time: 0.3754
Batch 185/248, train_loss: 0.4403, step time: 0.3467
Batch 186/248, train_loss: 0.1780, step time: 0.3845
Batch 187/248, train_loss: 0.2911, step time: 0.3525
Batch 188/248, train_loss: 0.5400, step time: 0.3389
Batch 189/248, train_loss: 0.9973, step time: 0.3596
Batch 190/248, train_loss: 0.3264, step time: 0.3443
Batch 191/248, train_loss: 0.9949, step time: 0.3702
Batch 192/248, train_loss: 0.3998, step time: 0.3662
Batch 193/248, train_loss: 0.7678, step time: 0.3781
Batch 194/248, train_loss: 0.5908, step time: 0.3853
Batch 195/248, train_loss: 0.9997, step time: 0.3617
Batch 196/248, train_loss: 0.9999, step time: 0.3393
Batch 197/248, train_loss: 0.7679, step time: 0.3477
Batch 198/248, train_loss: 0.9999, step time: 0.3771
Batch 199/248, train_loss: 0.5288, step time: 0.3614
Batch 200/248, train_loss: 0.3752, step time: 0.3407
Batch 201/248, train_loss: 0.2285, step time: 0.3405
Batch 202/248, train_loss: 0.7531, step time: 0.3555
Batch 203/248, train_loss: 0.9917, step time: 0.3752
Batch 204/248, train_loss: 0.1545, step time: 0.3680
Batch 205/248, train_loss: 0.8525, step time: 0.3769
Batch 206/248, train_loss: 0.9955, step time: 0.3688
Batch 207/248, train_loss: 0.1573, step time: 0.3671
Batch 208/248, train_loss: 0.4386, step time: 0.3836
Batch 209/248, train_loss: 0.3596, step time: 0.3739
Batch 210/248, train_loss: 0.1289, step time: 0.3455
Batch 211/248, train_loss: 0.1373, step time: 0.3437
Batch 212/248, train_loss: 0.6802, step time: 0.3849
Batch 213/248, train_loss: 0.6437, step time: 0.3389
Batch 214/248, train_loss: 0.2356, step time: 0.3422
Batch 215/248, train_loss: 0.7696, step time: 0.3770
Batch 216/248, train_loss: 0.2852, step time: 0.3402
Batch 217/248, train_loss: 0.8783, step time: 0.3691
Batch 218/248, train_loss: 0.9945, step time: 0.3801
Batch 219/248, train_loss: 0.1880, step time: 0.3402
Batch 220/248, train_loss: 0.7683, step time: 0.3434
Batch 221/248, train_loss: 0.7665, step time: 0.3711
Batch 222/248, train_loss: 0.2557, step time: 0.3444
Batch 223/248, train_loss: 0.0868, step time: 0.3633
Batch 224/248, train_loss: 0.1776, step time: 0.3450
Batch 225/248, train_loss: 0.9761, step time: 0.3850
Batch 226/248, train_loss: 0.8960, step time: 0.3467
Batch 227/248, train_loss: 0.2576, step time: 0.3516
Batch 228/248, train_loss: 0.7599, step time: 0.3753
Batch 229/248, train_loss: 0.1734, step time: 0.3813
Batch 230/248, train_loss: 0.2158, step time: 0.3383
Batch 231/248, train_loss: 0.9987, step time: 0.3459
Batch 232/248, train_loss: 0.1903, step time: 0.3601
Batch 233/248, train_loss: 0.9999, step time: 0.3822
Batch 234/248, train_loss: 0.9802, step time: 0.3771
Batch 235/248, train_loss: 0.9706, step time: 0.3742
Batch 236/248, train_loss: 0.9992, step time: 0.3833
Batch 237/248, train_loss: 0.2241, step time: 0.3647
Batch 238/248, train_loss: 0.1978, step time: 0.3479
Batch 239/248, train_loss: 0.0948, step time: 0.3437
Batch 240/248, train_loss: 0.6646, step time: 0.3665
Batch 241/248, train_loss: 0.9986, step time: 0.3807
Batch 242/248, train_loss: 0.8448, step time: 0.3775
Batch 243/248, train_loss: 0.9989, step time: 0.3543
Batch 244/248, train_loss: 0.9752, step time: 0.3392
Batch 245/248, train_loss: 0.1749, step time: 0.3596
Batch 246/248, train_loss: 0.9846, step time: 0.3614
Batch 247/248, train_loss: 0.1193, step time: 0.3423

Batch 248/248, train_loss: 1.0000, step time: 0.3460

Labels



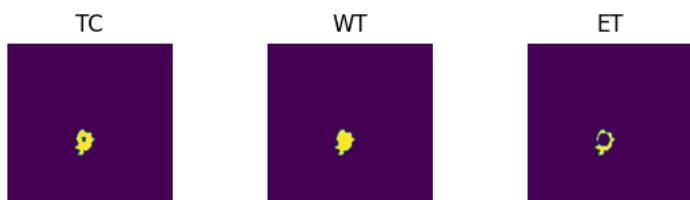
Predictions



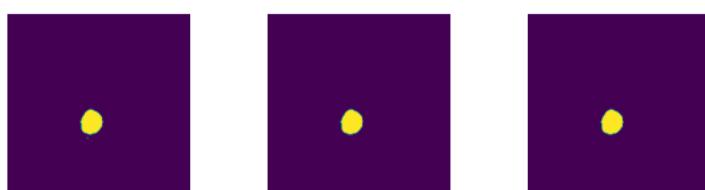
VAL

Batch 1/31, val_loss: 0.8797
Batch 2/31, val_loss: 0.9978
Batch 3/31, val_loss: 0.9896
Batch 4/31, val_loss: 0.9917
Batch 5/31, val_loss: 0.9997
Batch 6/31, val_loss: 0.7386
Batch 7/31, val_loss: 0.8543
Batch 8/31, val_loss: 0.9797
Batch 9/31, val_loss: 0.7238
Batch 10/31, val_loss: 0.9708
Batch 11/31, val_loss: 0.8486
Batch 12/31, val_loss: 0.9748
Batch 13/31, val_loss: 0.9799
Batch 14/31, val_loss: 0.9674
Batch 15/31, val_loss: 0.9925
Batch 16/31, val_loss: 0.9819
Batch 17/31, val_loss: 0.9967
Batch 18/31, val_loss: 0.9809
Batch 19/31, val_loss: 0.7770
Batch 20/31, val_loss: 0.8813
Batch 21/31, val_loss: 0.9232
Batch 22/31, val_loss: 0.9981
Batch 23/31, val_loss: 0.9838
Batch 24/31, val_loss: 0.7461
Batch 25/31, val_loss: 0.8177
Batch 26/31, val_loss: 0.9477
Batch 27/31, val_loss: 0.9962
Batch 28/31, val_loss: 0.7831
Batch 29/31, val_loss: 0.9933
Batch 30/31, val_loss: 0.9973
Batch 31/31, val_loss: 0.9928

Labels



Predictions



epoch 67

average train loss: 0.5879
average validation loss: 0.9254
saved as best model: True
current mean dice: 0.3151
current TC dice: 0.3301

current WT dice: 0.3364
current ET dice: 0.3086
Best Mean Metric: 0.3151
time consuming of epoch 67 is: 1389.6466

epoch 68/100

TRAIN

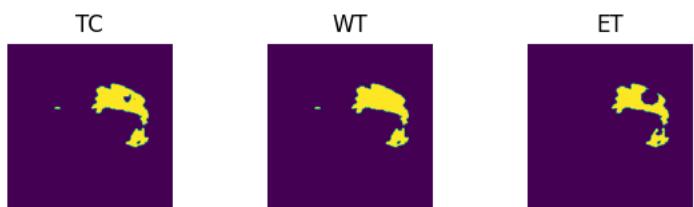
Batch 1/248, train_loss: 0.1250, step time: 0.3573
Batch 2/248, train_loss: 0.9986, step time: 0.3804
Batch 3/248, train_loss: 0.9195, step time: 0.3546
Batch 4/248, train_loss: 0.9996, step time: 0.3722
Batch 5/248, train_loss: 0.7103, step time: 0.3469
Batch 6/248, train_loss: 0.7122, step time: 0.3468
Batch 7/248, train_loss: 0.1150, step time: 0.3558
Batch 8/248, train_loss: 0.7514, step time: 0.3820
Batch 9/248, train_loss: 0.0749, step time: 0.3772
Batch 10/248, train_loss: 0.8459, step time: 0.3432
Batch 11/248, train_loss: 0.6346, step time: 0.3591
Batch 12/248, train_loss: 0.9857, step time: 0.3567
Batch 13/248, train_loss: 0.9367, step time: 0.3575
Batch 14/248, train_loss: 0.0787, step time: 0.3590
Batch 15/248, train_loss: 0.8373, step time: 0.3674
Batch 16/248, train_loss: 0.5636, step time: 0.3422
Batch 17/248, train_loss: 0.9813, step time: 0.3523
Batch 18/248, train_loss: 0.9550, step time: 0.3632
Batch 19/248, train_loss: 0.1537, step time: 0.3571
Batch 20/248, train_loss: 0.6039, step time: 0.3469
Batch 21/248, train_loss: 0.1386, step time: 0.3728
Batch 22/248, train_loss: 0.9999, step time: 0.3429
Batch 23/248, train_loss: 0.9996, step time: 0.3643
Batch 24/248, train_loss: 0.2099, step time: 0.3806
Batch 25/248, train_loss: 0.1323, step time: 0.3678
Batch 26/248, train_loss: 0.9691, step time: 0.3528
Batch 27/248, train_loss: 0.1045, step time: 0.3385
Batch 28/248, train_loss: 0.5559, step time: 0.3806
Batch 29/248, train_loss: 0.9796, step time: 0.3825
Batch 30/248, train_loss: 0.8961, step time: 0.3478
Batch 31/248, train_loss: 0.8421, step time: 0.3398
Batch 32/248, train_loss: 0.1816, step time: 0.3524
Batch 33/248, train_loss: 0.1093, step time: 0.3448
Batch 34/248, train_loss: 0.0805, step time: 0.3589
Batch 35/248, train_loss: 0.1686, step time: 0.3444
Batch 36/248, train_loss: 0.9993, step time: 0.3768
Batch 37/248, train_loss: 0.3466, step time: 0.3490
Batch 38/248, train_loss: 0.7717, step time: 0.3647
Batch 39/248, train_loss: 0.4117, step time: 0.3390
Batch 40/248, train_loss: 0.9998, step time: 0.3460
Batch 41/248, train_loss: 0.2531, step time: 0.3602
Batch 42/248, train_loss: 0.1126, step time: 0.3439
Batch 43/248, train_loss: 0.1020, step time: 0.3636
Batch 44/248, train_loss: 0.3640, step time: 0.3738
Batch 45/248, train_loss: 0.8047, step time: 0.3448
Batch 46/248, train_loss: 0.3780, step time: 0.3753
Batch 47/248, train_loss: 0.5136, step time: 0.3538
Batch 48/248, train_loss: 0.4521, step time: 0.3534
Batch 49/248, train_loss: 0.9490, step time: 0.3807
Batch 50/248, train_loss: 0.6035, step time: 0.3618
Batch 51/248, train_loss: 0.5825, step time: 0.3861
Batch 52/248, train_loss: 0.3739, step time: 0.3711
Batch 53/248, train_loss: 0.8385, step time: 0.3707
Batch 54/248, train_loss: 0.5742, step time: 0.3428
Batch 55/248, train_loss: 0.8273, step time: 0.3791
Batch 56/248, train_loss: 0.6645, step time: 0.3729
Batch 57/248, train_loss: 0.6369, step time: 0.3832
Batch 58/248, train_loss: 0.1580, step time: 0.3500
Batch 59/248, train_loss: 0.2315, step time: 0.3652
Batch 60/248, train_loss: 0.1327, step time: 0.3391
Batch 61/248, train_loss: 0.2275, step time: 0.3781
Batch 62/248, train_loss: 0.8520, step time: 0.3517
Batch 63/248, train_loss: 0.9728, step time: 0.3396
Batch 64/248, train_loss: 0.9680, step time: 0.3633
Batch 65/248, train_loss: 0.6502, step time: 0.3747
Batch 66/248, train_loss: 0.5813, step time: 0.3495
Batch 67/248, train_loss: 0.1533, step time: 0.3422
Batch 68/248, train_loss: 0.1658, step time: 0.3465
Batch 69/248, train_loss: 0.9995, step time: 0.3685
Batch 70/248, train_loss: 0.2310, step time: 0.3606
Batch 71/248, train_loss: 0.2513, step time: 0.3713
Batch 72/248, train_loss: 0.1226, step time: 0.3817
Batch 73/248, train_loss: 0.2112, step time: 0.3572
Batch 74/248, train_loss: 0.9972, step time: 0.3749
Batch 75/248, train_loss: 0.2292, step time: 0.3790
Batch 76/248, train_loss: 0.9951, step time: 0.3555
Batch 77/248, train_loss: 0.9969, step time: 0.3418

Batch 78/248, train_loss: 0.3459, step time: 0.3398
Batch 79/248, train_loss: 0.5188, step time: 0.3438
Batch 80/248, train_loss: 0.7052, step time: 0.3823
Batch 81/248, train_loss: 0.7904, step time: 0.3744
Batch 82/248, train_loss: 0.1866, step time: 0.3561
Batch 83/248, train_loss: 0.9764, step time: 0.3418
Batch 84/248, train_loss: 0.6221, step time: 0.3427
Batch 85/248, train_loss: 0.9884, step time: 0.3854
Batch 86/248, train_loss: 0.3526, step time: 0.3848
Batch 87/248, train_loss: 0.9791, step time: 0.3559
Batch 88/248, train_loss: 0.9434, step time: 0.3684
Batch 89/248, train_loss: 0.1125, step time: 0.3537
Batch 90/248, train_loss: 0.6586, step time: 0.3707
Batch 91/248, train_loss: 0.9758, step time: 0.3809
Batch 92/248, train_loss: 0.5669, step time: 0.3768
Batch 93/248, train_loss: 0.2428, step time: 0.3475
Batch 94/248, train_loss: 0.9733, step time: 0.3486
Batch 95/248, train_loss: 0.3326, step time: 0.3693
Batch 96/248, train_loss: 0.3268, step time: 0.3734
Batch 97/248, train_loss: 0.9998, step time: 0.3710
Batch 98/248, train_loss: 0.1844, step time: 0.3649
Batch 99/248, train_loss: 0.9220, step time: 0.3565
Batch 100/248, train_loss: 0.9879, step time: 0.3369
Batch 101/248, train_loss: 0.0760, step time: 0.3489
Batch 102/248, train_loss: 0.4255, step time: 0.3526
Batch 103/248, train_loss: 0.9741, step time: 0.3647
Batch 104/248, train_loss: 0.4589, step time: 0.3764
Batch 105/248, train_loss: 0.1386, step time: 0.3449
Batch 106/248, train_loss: 0.6565, step time: 0.3529
Batch 107/248, train_loss: 0.9280, step time: 0.3548
Batch 108/248, train_loss: 0.9633, step time: 0.3850
Batch 109/248, train_loss: 0.9941, step time: 0.3561
Batch 110/248, train_loss: 0.9857, step time: 0.3770
Batch 111/248, train_loss: 0.1781, step time: 0.3589
Batch 112/248, train_loss: 0.2542, step time: 0.3416
Batch 113/248, train_loss: 0.9999, step time: 0.3430
Batch 114/248, train_loss: 0.2196, step time: 0.3454
Batch 115/248, train_loss: 0.4378, step time: 0.3639
Batch 116/248, train_loss: 0.1245, step time: 0.3390
Batch 117/248, train_loss: 0.9896, step time: 0.3614
Batch 118/248, train_loss: 0.9473, step time: 0.3466
Batch 119/248, train_loss: 0.5028, step time: 0.3439
Batch 120/248, train_loss: 0.5547, step time: 0.3464
Batch 121/248, train_loss: 0.8760, step time: 0.3801
Batch 122/248, train_loss: 0.9086, step time: 0.3721
Batch 123/248, train_loss: 0.1529, step time: 0.3433
Batch 124/248, train_loss: 0.9150, step time: 0.3395
Batch 125/248, train_loss: 0.9858, step time: 0.3826
Batch 126/248, train_loss: 0.4450, step time: 0.3779
Batch 127/248, train_loss: 0.4462, step time: 0.3700
Batch 128/248, train_loss: 0.7754, step time: 0.3424
Batch 129/248, train_loss: 0.1518, step time: 0.3425
Batch 130/248, train_loss: 0.1798, step time: 0.3515
Batch 131/248, train_loss: 0.9142, step time: 0.3498
Batch 132/248, train_loss: 0.9123, step time: 0.3837
Batch 133/248, train_loss: 0.1976, step time: 0.3494
Batch 134/248, train_loss: 1.0000, step time: 0.3720
Batch 135/248, train_loss: 0.9416, step time: 0.3379
Batch 136/248, train_loss: 0.6605, step time: 0.3470
Batch 137/248, train_loss: 0.1979, step time: 0.3771
Batch 138/248, train_loss: 0.1490, step time: 0.3545
Batch 139/248, train_loss: 0.2267, step time: 0.3735
Batch 140/248, train_loss: 0.6470, step time: 0.3632
Batch 141/248, train_loss: 0.3022, step time: 0.3821
Batch 142/248, train_loss: 0.9911, step time: 0.3393
Batch 143/248, train_loss: 0.7060, step time: 0.3827
Batch 144/248, train_loss: 0.2037, step time: 0.3826
Batch 145/248, train_loss: 0.1225, step time: 0.3398
Batch 146/248, train_loss: 0.9879, step time: 0.3650
Batch 147/248, train_loss: 0.0786, step time: 0.3427
Batch 148/248, train_loss: 0.9466, step time: 0.3855
Batch 149/248, train_loss: 0.3826, step time: 0.3753
Batch 150/248, train_loss: 0.5698, step time: 0.3733
Batch 151/248, train_loss: 0.9330, step time: 0.3613
Batch 152/248, train_loss: 0.0779, step time: 0.3568
Batch 153/248, train_loss: 0.8749, step time: 0.3677
Batch 154/248, train_loss: 0.9734, step time: 0.3562
Batch 155/248, train_loss: 0.4086, step time: 0.3456
Batch 156/248, train_loss: 0.4553, step time: 0.3458
Batch 157/248, train_loss: 0.4103, step time: 0.3411
Batch 158/248, train_loss: 0.9993, step time: 0.3503
Batch 159/248, train_loss: 0.9866, step time: 0.3663
Batch 160/248, train_loss: 0.1987, step time: 0.3839
Batch 161/248, train_loss: 0.3340, step time: 0.3834
Batch 162/248, train_loss: 0.1659, step time: 0.3431

Batch 163/248, train_loss: 0.9369, step time: 0.3806
Batch 164/248, train_loss: 0.4960, step time: 0.3708
Batch 165/248, train_loss: 0.9950, step time: 0.3815
Batch 166/248, train_loss: 0.8192, step time: 0.3784
Batch 167/248, train_loss: 0.5517, step time: 0.3552
Batch 168/248, train_loss: 0.4874, step time: 0.3516
Batch 169/248, train_loss: 0.2159, step time: 0.3644
Batch 170/248, train_loss: 0.9766, step time: 0.3793
Batch 171/248, train_loss: 0.1204, step time: 0.3407
Batch 172/248, train_loss: 0.9992, step time: 0.3533
Batch 173/248, train_loss: 0.1330, step time: 0.3556
Batch 174/248, train_loss: 0.9998, step time: 0.3392
Batch 175/248, train_loss: 0.2147, step time: 0.3859
Batch 176/248, train_loss: 0.6543, step time: 0.3693
Batch 177/248, train_loss: 0.9848, step time: 0.3803
Batch 178/248, train_loss: 0.2957, step time: 0.3661
Batch 179/248, train_loss: 0.1321, step time: 0.3760
Batch 180/248, train_loss: 0.4916, step time: 0.3585
Batch 181/248, train_loss: 0.1691, step time: 0.3698
Batch 182/248, train_loss: 0.9356, step time: 0.3823
Batch 183/248, train_loss: 0.4129, step time: 0.3740
Batch 184/248, train_loss: 0.8825, step time: 0.3443
Batch 185/248, train_loss: 0.4208, step time: 0.3832
Batch 186/248, train_loss: 0.1699, step time: 0.3515
Batch 187/248, train_loss: 0.3025, step time: 0.3817
Batch 188/248, train_loss: 0.4950, step time: 0.3377
Batch 189/248, train_loss: 0.9976, step time: 0.3629
Batch 190/248, train_loss: 0.3185, step time: 0.3458
Batch 191/248, train_loss: 0.9959, step time: 0.3385
Batch 192/248, train_loss: 0.3986, step time: 0.3813
Batch 193/248, train_loss: 0.7380, step time: 0.3828
Batch 194/248, train_loss: 0.5828, step time: 0.3513
Batch 195/248, train_loss: 0.9994, step time: 0.3516
Batch 196/248, train_loss: 0.9999, step time: 0.3810
Batch 197/248, train_loss: 0.7564, step time: 0.3595
Batch 198/248, train_loss: 1.0000, step time: 0.3506
Batch 199/248, train_loss: 0.4813, step time: 0.3727
Batch 200/248, train_loss: 0.3581, step time: 0.3491
Batch 201/248, train_loss: 0.2047, step time: 0.3774
Batch 202/248, train_loss: 0.7296, step time: 0.3790
Batch 203/248, train_loss: 0.9803, step time: 0.3770
Batch 204/248, train_loss: 0.1274, step time: 0.3678
Batch 205/248, train_loss: 0.8902, step time: 0.3602
Batch 206/248, train_loss: 0.9911, step time: 0.3625
Batch 207/248, train_loss: 0.1386, step time: 0.3767
Batch 208/248, train_loss: 0.4476, step time: 0.3766
Batch 209/248, train_loss: 0.3147, step time: 0.3631
Batch 210/248, train_loss: 0.1344, step time: 0.3689
Batch 211/248, train_loss: 0.1320, step time: 0.3454
Batch 212/248, train_loss: 0.6745, step time: 0.3445
Batch 213/248, train_loss: 0.6358, step time: 0.3804
Batch 214/248, train_loss: 0.2413, step time: 0.3471
Batch 215/248, train_loss: 0.7508, step time: 0.3541
Batch 216/248, train_loss: 0.2759, step time: 0.3386
Batch 217/248, train_loss: 0.8688, step time: 0.3397
Batch 218/248, train_loss: 0.9992, step time: 0.3414
Batch 219/248, train_loss: 0.1664, step time: 0.3775
Batch 220/248, train_loss: 0.7620, step time: 0.3389
Batch 221/248, train_loss: 0.7673, step time: 0.3757
Batch 222/248, train_loss: 0.2571, step time: 0.3827
Batch 223/248, train_loss: 0.0863, step time: 0.3739
Batch 224/248, train_loss: 0.1540, step time: 0.3403
Batch 225/248, train_loss: 0.9741, step time: 0.3643
Batch 226/248, train_loss: 0.8696, step time: 0.3383
Batch 227/248, train_loss: 0.2434, step time: 0.3724
Batch 228/248, train_loss: 0.7650, step time: 0.3525
Batch 229/248, train_loss: 0.1606, step time: 0.3753
Batch 230/248, train_loss: 0.2208, step time: 0.3408
Batch 231/248, train_loss: 0.9981, step time: 0.3541
Batch 232/248, train_loss: 0.1882, step time: 0.3414
Batch 233/248, train_loss: 1.0000, step time: 0.3489
Batch 234/248, train_loss: 0.9805, step time: 0.3514
Batch 235/248, train_loss: 0.9763, step time: 0.3450
Batch 236/248, train_loss: 0.9992, step time: 0.3648
Batch 237/248, train_loss: 0.2251, step time: 0.3809
Batch 238/248, train_loss: 0.1910, step time: 0.3572
Batch 239/248, train_loss: 0.0913, step time: 0.3584
Batch 240/248, train_loss: 0.6829, step time: 0.3672
Batch 241/248, train_loss: 0.9977, step time: 0.3629
Batch 242/248, train_loss: 0.8526, step time: 0.3443
Batch 243/248, train_loss: 0.9989, step time: 0.3426
Batch 244/248, train_loss: 0.9592, step time: 0.3714
Batch 245/248, train_loss: 0.1708, step time: 0.3571
Batch 246/248, train_loss: 0.9793, step time: 0.3571
Batch 247/248, train_loss: 0.1151, step time: 0.3427

Batch 248/248, train_loss: 1.0000, step time: 0.3734

Labels



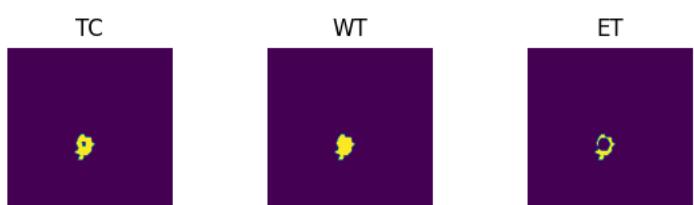
Predictions



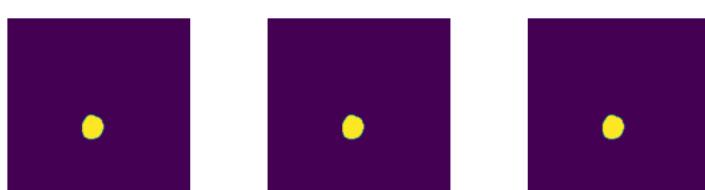
VAL

Batch 1/31, val_loss: 0.8780
Batch 2/31, val_loss: 0.9995
Batch 3/31, val_loss: 0.9961
Batch 4/31, val_loss: 0.9919
Batch 5/31, val_loss: 0.9998
Batch 6/31, val_loss: 0.7251
Batch 7/31, val_loss: 0.8560
Batch 8/31, val_loss: 0.9851
Batch 9/31, val_loss: 0.7299
Batch 10/31, val_loss: 0.9712
Batch 11/31, val_loss: 0.8462
Batch 12/31, val_loss: 0.9759
Batch 13/31, val_loss: 0.9874
Batch 14/31, val_loss: 0.9711
Batch 15/31, val_loss: 0.9984
Batch 16/31, val_loss: 0.9897
Batch 17/31, val_loss: 0.9979
Batch 18/31, val_loss: 0.9837
Batch 19/31, val_loss: 0.7835
Batch 20/31, val_loss: 0.8823
Batch 21/31, val_loss: 0.9200
Batch 22/31, val_loss: 0.9988
Batch 23/31, val_loss: 0.9901
Batch 24/31, val_loss: 0.7462
Batch 25/31, val_loss: 0.8161
Batch 26/31, val_loss: 0.9476
Batch 27/31, val_loss: 0.9980
Batch 28/31, val_loss: 0.7804
Batch 29/31, val_loss: 0.9982
Batch 30/31, val_loss: 0.9947
Batch 31/31, val_loss: 0.9929

Labels



Predictions



epoch 68

average train loss: 0.5791
average validation loss: 0.9268
saved as best model: True
current mean dice: 0.3167

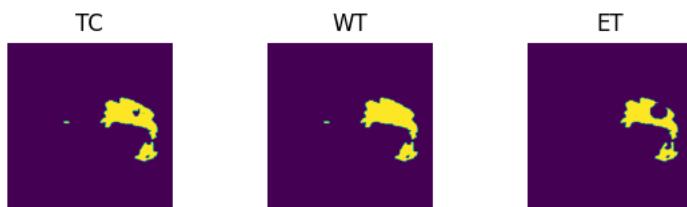
```
current TC dice: 0.3321
current WT dice: 0.3385
current ET dice: 0.3092
Best Mean Metric: 0.3167
time consuming of epoch 68 is: 1396.6251
-----
epoch 69/100
TRAIN
Batch 1/248, train_loss: 0.1145, step time: 0.3475
Batch 2/248, train_loss: 0.9975, step time: 0.3700
Batch 3/248, train_loss: 0.9214, step time: 0.3773
Batch 4/248, train_loss: 0.9999, step time: 0.3788
Batch 5/248, train_loss: 0.6902, step time: 0.3642
Batch 6/248, train_loss: 0.6744, step time: 0.3485
Batch 7/248, train_loss: 0.1220, step time: 0.3684
Batch 8/248, train_loss: 0.7477, step time: 0.3473
Batch 9/248, train_loss: 0.0769, step time: 0.3685
Batch 10/248, train_loss: 0.8385, step time: 0.3402
Batch 11/248, train_loss: 0.6414, step time: 0.3617
Batch 12/248, train_loss: 0.9986, step time: 0.3640
Batch 13/248, train_loss: 0.9040, step time: 0.3411
Batch 14/248, train_loss: 0.0845, step time: 0.3634
Batch 15/248, train_loss: 0.8293, step time: 0.3396
Batch 16/248, train_loss: 0.5630, step time: 0.3737
Batch 17/248, train_loss: 0.9807, step time: 0.3686
Batch 18/248, train_loss: 0.9628, step time: 0.3432
Batch 19/248, train_loss: 0.1491, step time: 0.3660
Batch 20/248, train_loss: 0.6047, step time: 0.3451
Batch 21/248, train_loss: 0.1526, step time: 0.3525
Batch 22/248, train_loss: 0.9998, step time: 0.3575
Batch 23/248, train_loss: 0.9981, step time: 0.3808
Batch 24/248, train_loss: 0.2027, step time: 0.3757
Batch 25/248, train_loss: 0.1095, step time: 0.3487
Batch 26/248, train_loss: 0.9689, step time: 0.3650
Batch 27/248, train_loss: 0.1043, step time: 0.3569
Batch 28/248, train_loss: 0.5386, step time: 0.3747
Batch 29/248, train_loss: 0.9822, step time: 0.3760
Batch 30/248, train_loss: 0.9446, step time: 0.3413
Batch 31/248, train_loss: 0.8241, step time: 0.3802
Batch 32/248, train_loss: 0.1775, step time: 0.3454
Batch 33/248, train_loss: 0.1077, step time: 0.3423
Batch 34/248, train_loss: 0.0778, step time: 0.3585
Batch 35/248, train_loss: 0.1402, step time: 0.3779
Batch 36/248, train_loss: 0.9996, step time: 0.3737
Batch 37/248, train_loss: 0.3131, step time: 0.3846
Batch 38/248, train_loss: 0.7652, step time: 0.3411
Batch 39/248, train_loss: 0.3836, step time: 0.3496
Batch 40/248, train_loss: 1.0000, step time: 0.3779
Batch 41/248, train_loss: 0.2651, step time: 0.3840
Batch 42/248, train_loss: 0.1130, step time: 0.3505
Batch 43/248, train_loss: 0.1309, step time: 0.3416
Batch 44/248, train_loss: 0.5588, step time: 0.3827
Batch 45/248, train_loss: 0.7905, step time: 0.3789
Batch 46/248, train_loss: 0.4203, step time: 0.3717
Batch 47/248, train_loss: 0.4777, step time: 0.3507
Batch 48/248, train_loss: 0.4425, step time: 0.3567
Batch 49/248, train_loss: 0.9483, step time: 0.3606
Batch 50/248, train_loss: 0.5937, step time: 0.3765
Batch 51/248, train_loss: 0.5927, step time: 0.3841
Batch 52/248, train_loss: 0.3906, step time: 0.3517
Batch 53/248, train_loss: 0.8583, step time: 0.3437
Batch 54/248, train_loss: 0.5613, step time: 0.3645
Batch 55/248, train_loss: 0.8378, step time: 0.3509
Batch 56/248, train_loss: 0.6352, step time: 0.3408
Batch 57/248, train_loss: 0.6293, step time: 0.3750
Batch 58/248, train_loss: 0.1475, step time: 0.3401
Batch 59/248, train_loss: 0.2118, step time: 0.3489
Batch 60/248, train_loss: 0.1344, step time: 0.3460
Batch 61/248, train_loss: 0.2167, step time: 0.3745
Batch 62/248, train_loss: 0.8571, step time: 0.3449
Batch 63/248, train_loss: 0.9795, step time: 0.3698
Batch 64/248, train_loss: 0.9661, step time: 0.3497
Batch 65/248, train_loss: 0.7242, step time: 0.3654
Batch 66/248, train_loss: 0.5782, step time: 0.3848
Batch 67/248, train_loss: 0.1648, step time: 0.3410
Batch 68/248, train_loss: 0.2150, step time: 0.3411
Batch 69/248, train_loss: 0.9997, step time: 0.3385
Batch 70/248, train_loss: 0.2295, step time: 0.3575
Batch 71/248, train_loss: 0.2641, step time: 0.3557
Batch 72/248, train_loss: 0.1296, step time: 0.3799
Batch 73/248, train_loss: 0.1789, step time: 0.3576
Batch 74/248, train_loss: 0.9998, step time: 0.3819
Batch 75/248, train_loss: 0.2538, step time: 0.3704
Batch 76/248, train_loss: 0.9706, step time: 0.3860
Batch 77/248, train_loss: 0.9977, step time: 0.3477
```

Batch 78/248, train_loss: 0.3453, step time: 0.3424
Batch 79/248, train_loss: 0.5249, step time: 0.3415
Batch 80/248, train_loss: 0.7008, step time: 0.3411
Batch 81/248, train_loss: 0.7978, step time: 0.3480
Batch 82/248, train_loss: 0.1697, step time: 0.3722
Batch 83/248, train_loss: 0.9769, step time: 0.3780
Batch 84/248, train_loss: 0.6284, step time: 0.3472
Batch 85/248, train_loss: 0.9799, step time: 0.3825
Batch 86/248, train_loss: 0.3464, step time: 0.3416
Batch 87/248, train_loss: 0.9970, step time: 0.3701
Batch 88/248, train_loss: 0.9628, step time: 0.3422
Batch 89/248, train_loss: 0.1332, step time: 0.3461
Batch 90/248, train_loss: 0.6492, step time: 0.3715
Batch 91/248, train_loss: 0.9794, step time: 0.3390
Batch 92/248, train_loss: 0.5228, step time: 0.3512
Batch 93/248, train_loss: 0.2172, step time: 0.3463
Batch 94/248, train_loss: 0.9745, step time: 0.3796
Batch 95/248, train_loss: 0.3150, step time: 0.3509
Batch 96/248, train_loss: 0.3312, step time: 0.3632
Batch 97/248, train_loss: 0.9998, step time: 0.3424
Batch 98/248, train_loss: 0.1938, step time: 0.3635
Batch 99/248, train_loss: 0.9220, step time: 0.3448
Batch 100/248, train_loss: 0.9897, step time: 0.3834
Batch 101/248, train_loss: 0.0848, step time: 0.3472
Batch 102/248, train_loss: 0.3972, step time: 0.3543
Batch 103/248, train_loss: 0.9714, step time: 0.3413
Batch 104/248, train_loss: 0.4216, step time: 0.3671
Batch 105/248, train_loss: 0.1298, step time: 0.3799
Batch 106/248, train_loss: 0.6520, step time: 0.3422
Batch 107/248, train_loss: 0.9239, step time: 0.3837
Batch 108/248, train_loss: 0.9609, step time: 0.3826
Batch 109/248, train_loss: 0.9986, step time: 0.3416
Batch 110/248, train_loss: 0.7205, step time: 0.3601
Batch 111/248, train_loss: 0.1739, step time: 0.3519
Batch 112/248, train_loss: 0.2629, step time: 0.3732
Batch 113/248, train_loss: 0.9999, step time: 0.3755
Batch 114/248, train_loss: 0.2224, step time: 0.3833
Batch 115/248, train_loss: 0.4508, step time: 0.3558
Batch 116/248, train_loss: 0.1114, step time: 0.3590
Batch 117/248, train_loss: 0.9887, step time: 0.3671
Batch 118/248, train_loss: 0.9685, step time: 0.3620
Batch 119/248, train_loss: 0.5533, step time: 0.3545
Batch 120/248, train_loss: 0.5976, step time: 0.3859
Batch 121/248, train_loss: 0.8709, step time: 0.3394
Batch 122/248, train_loss: 0.9063, step time: 0.3715
Batch 123/248, train_loss: 0.1823, step time: 0.3575
Batch 124/248, train_loss: 0.9023, step time: 0.3423
Batch 125/248, train_loss: 0.9881, step time: 0.3610
Batch 126/248, train_loss: 0.3408, step time: 0.3470
Batch 127/248, train_loss: 0.4345, step time: 0.3737
Batch 128/248, train_loss: 0.7617, step time: 0.3472
Batch 129/248, train_loss: 0.1691, step time: 0.3588
Batch 130/248, train_loss: 0.2041, step time: 0.3621
Batch 131/248, train_loss: 0.9098, step time: 0.3696
Batch 132/248, train_loss: 0.9022, step time: 0.3767
Batch 133/248, train_loss: 0.3165, step time: 0.3825
Batch 134/248, train_loss: 1.0000, step time: 0.3661
Batch 135/248, train_loss: 0.9353, step time: 0.3385
Batch 136/248, train_loss: 0.6552, step time: 0.3710
Batch 137/248, train_loss: 0.2196, step time: 0.3790
Batch 138/248, train_loss: 0.1320, step time: 0.3712
Batch 139/248, train_loss: 0.2303, step time: 0.3575
Batch 140/248, train_loss: 0.6378, step time: 0.3418
Batch 141/248, train_loss: 0.2729, step time: 0.3713
Batch 142/248, train_loss: 0.9916, step time: 0.3697
Batch 143/248, train_loss: 0.6979, step time: 0.3443
Batch 144/248, train_loss: 0.1987, step time: 0.3416
Batch 145/248, train_loss: 0.1080, step time: 0.3849
Batch 146/248, train_loss: 0.9936, step time: 0.3780
Batch 147/248, train_loss: 0.0840, step time: 0.3737
Batch 148/248, train_loss: 0.9571, step time: 0.3423
Batch 149/248, train_loss: 0.3990, step time: 0.3553
Batch 150/248, train_loss: 0.6219, step time: 0.3602
Batch 151/248, train_loss: 0.9410, step time: 0.3438
Batch 152/248, train_loss: 0.0850, step time: 0.3438
Batch 153/248, train_loss: 0.8913, step time: 0.3530
Batch 154/248, train_loss: 0.9740, step time: 0.3408
Batch 155/248, train_loss: 0.3957, step time: 0.3484
Batch 156/248, train_loss: 0.4490, step time: 0.3430
Batch 157/248, train_loss: 0.4163, step time: 0.3576
Batch 158/248, train_loss: 0.9991, step time: 0.3674
Batch 159/248, train_loss: 0.9917, step time: 0.3842
Batch 160/248, train_loss: 0.1785, step time: 0.3563
Batch 161/248, train_loss: 0.3439, step time: 0.3625
Batch 162/248, train_loss: 0.1367, step time: 0.3422

-- -- -- -- --
Batch 163/248, train_loss: 0.9149, step time: 0.3628
Batch 164/248, train_loss: 0.5238, step time: 0.3404
Batch 165/248, train_loss: 0.9988, step time: 0.3814
Batch 166/248, train_loss: 0.8078, step time: 0.3405
Batch 167/248, train_loss: 0.5585, step time: 0.3727
Batch 168/248, train_loss: 0.4660, step time: 0.3739
Batch 169/248, train_loss: 0.2192, step time: 0.3620
Batch 170/248, train_loss: 0.9673, step time: 0.3589
Batch 171/248, train_loss: 0.1214, step time: 0.3399
Batch 172/248, train_loss: 1.0000, step time: 0.3393
Batch 173/248, train_loss: 0.1425, step time: 0.3575
Batch 174/248, train_loss: 0.9994, step time: 0.3393
Batch 175/248, train_loss: 0.2160, step time: 0.3826
Batch 176/248, train_loss: 0.6448, step time: 0.3796
Batch 177/248, train_loss: 0.9938, step time: 0.3839
Batch 178/248, train_loss: 0.2997, step time: 0.3401
Batch 179/248, train_loss: 0.1239, step time: 0.3465
Batch 180/248, train_loss: 0.5051, step time: 0.3679
Batch 181/248, train_loss: 0.1606, step time: 0.3569
Batch 182/248, train_loss: 0.9255, step time: 0.3432
Batch 183/248, train_loss: 0.4184, step time: 0.3805
Batch 184/248, train_loss: 0.8808, step time: 0.3855
Batch 185/248, train_loss: 0.4230, step time: 0.3404
Batch 186/248, train_loss: 0.1777, step time: 0.3808
Batch 187/248, train_loss: 0.2740, step time: 0.3423
Batch 188/248, train_loss: 0.5043, step time: 0.3788
Batch 189/248, train_loss: 0.9951, step time: 0.3625
Batch 190/248, train_loss: 0.3348, step time: 0.3497
Batch 191/248, train_loss: 0.9958, step time: 0.3464
Batch 192/248, train_loss: 0.4040, step time: 0.3575
Batch 193/248, train_loss: 0.7477, step time: 0.3459
Batch 194/248, train_loss: 0.5704, step time: 0.3721
Batch 195/248, train_loss: 0.9984, step time: 0.3753
Batch 196/248, train_loss: 1.0000, step time: 0.3417
Batch 197/248, train_loss: 0.7523, step time: 0.3791
Batch 198/248, train_loss: 1.0000, step time: 0.3422
Batch 199/248, train_loss: 0.4949, step time: 0.3820
Batch 200/248, train_loss: 0.3710, step time: 0.3728
Batch 201/248, train_loss: 0.2175, step time: 0.3775
Batch 202/248, train_loss: 0.7489, step time: 0.3815
Batch 203/248, train_loss: 0.9838, step time: 0.3744
Batch 204/248, train_loss: 0.1542, step time: 0.3776
Batch 205/248, train_loss: 0.8621, step time: 0.3449
Batch 206/248, train_loss: 0.9915, step time: 0.3592
Batch 207/248, train_loss: 0.1610, step time: 0.3421
Batch 208/248, train_loss: 0.3903, step time: 0.3666
Batch 209/248, train_loss: 0.2958, step time: 0.3530
Batch 210/248, train_loss: 0.1208, step time: 0.3727
Batch 211/248, train_loss: 0.1255, step time: 0.3408
Batch 212/248, train_loss: 0.6571, step time: 0.3555
Batch 213/248, train_loss: 0.6224, step time: 0.3420
Batch 214/248, train_loss: 0.2007, step time: 0.3794
Batch 215/248, train_loss: 0.7727, step time: 0.3475
Batch 216/248, train_loss: 0.2430, step time: 0.3803
Batch 217/248, train_loss: 0.8915, step time: 0.3861
Batch 218/248, train_loss: 0.9971, step time: 0.3688
Batch 219/248, train_loss: 0.1692, step time: 0.3668
Batch 220/248, train_loss: 0.7527, step time: 0.3670
Batch 221/248, train_loss: 0.7492, step time: 0.3751
Batch 222/248, train_loss: 0.2545, step time: 0.3584
Batch 223/248, train_loss: 0.0877, step time: 0.3386
Batch 224/248, train_loss: 0.1717, step time: 0.3444
Batch 225/248, train_loss: 0.9714, step time: 0.3418
Batch 226/248, train_loss: 0.8643, step time: 0.3816
Batch 227/248, train_loss: 0.2485, step time: 0.3416
Batch 228/248, train_loss: 0.7233, step time: 0.3561
Batch 229/248, train_loss: 0.1644, step time: 0.3636
Batch 230/248, train_loss: 0.1979, step time: 0.3711
Batch 231/248, train_loss: 0.9964, step time: 0.3847
Batch 232/248, train_loss: 0.1871, step time: 0.3796
Batch 233/248, train_loss: 0.9999, step time: 0.3478
Batch 234/248, train_loss: 0.9826, step time: 0.3474
Batch 235/248, train_loss: 0.9634, step time: 0.3426
Batch 236/248, train_loss: 0.9989, step time: 0.3807
Batch 237/248, train_loss: 0.2266, step time: 0.3403
Batch 238/248, train_loss: 0.1715, step time: 0.3449
Batch 239/248, train_loss: 0.0952, step time: 0.3628
Batch 240/248, train_loss: 0.6326, step time: 0.3572
Batch 241/248, train_loss: 0.9999, step time: 0.3751
Batch 242/248, train_loss: 0.8197, step time: 0.3642
Batch 243/248, train_loss: 0.9941, step time: 0.3660
Batch 244/248, train_loss: 0.9723, step time: 0.3836
Batch 245/248, train_loss: 0.1642, step time: 0.3592
Batch 246/248, train_loss: 0.9854, step time: 0.3553
Batch 247/248, train_loss: 0.1159, step time: 0.3571

Batch 247/248, train_loss: 1.0000, step time: 0.3591

Labels



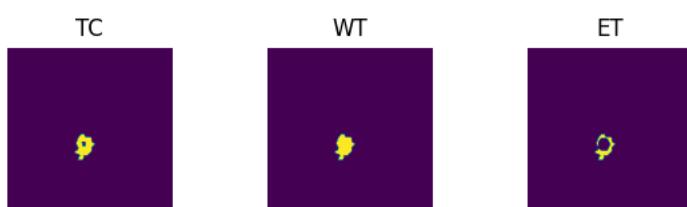
Predictions



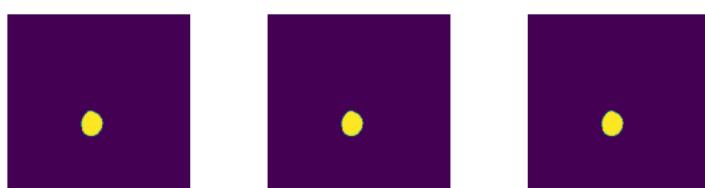
VAL

Batch 1/31, val_loss: 0.8785
Batch 2/31, val_loss: 0.9997
Batch 3/31, val_loss: 0.9963
Batch 4/31, val_loss: 0.9911
Batch 5/31, val_loss: 0.9998
Batch 6/31, val_loss: 0.7264
Batch 7/31, val_loss: 0.8556
Batch 8/31, val_loss: 0.9792
Batch 9/31, val_loss: 0.7321
Batch 10/31, val_loss: 0.9651
Batch 11/31, val_loss: 0.8510
Batch 12/31, val_loss: 0.9755
Batch 13/31, val_loss: 0.9941
Batch 14/31, val_loss: 0.9716
Batch 15/31, val_loss: 0.9950
Batch 16/31, val_loss: 0.9901
Batch 17/31, val_loss: 0.9970
Batch 18/31, val_loss: 0.9784
Batch 19/31, val_loss: 0.7864
Batch 20/31, val_loss: 0.8873
Batch 21/31, val_loss: 0.9208
Batch 22/31, val_loss: 0.9981
Batch 23/31, val_loss: 0.9893
Batch 24/31, val_loss: 0.7459
Batch 25/31, val_loss: 0.8177
Batch 26/31, val_loss: 0.9481
Batch 27/31, val_loss: 0.9980
Batch 28/31, val_loss: 0.7772
Batch 29/31, val_loss: 0.9951
Batch 30/31, val_loss: 0.9914
Batch 31/31, val_loss: 0.9923

Labels



Predictions



epoch 69

average train loss: 0.5777
average validation loss: 0.9266
saved as best model: True
current mean dice: 0.3187

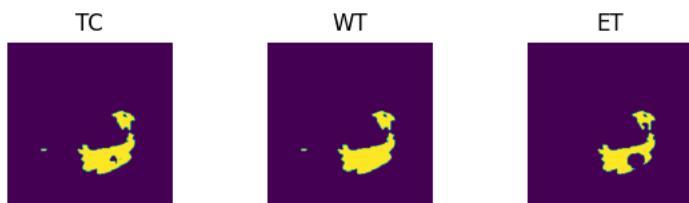
```
current TC dice: 0.3341
current WT dice: 0.3406
current ET dice: 0.3113
Best Mean Metric: 0.3187
time consuming of epoch 69 is: 1399.2357
-----
epoch 70/100
TRAIN
Batch 1/248, train_loss: 0.1107, step time: 0.3485
Batch 2/248, train_loss: 0.9962, step time: 0.3505
Batch 3/248, train_loss: 0.9085, step time: 0.3568
Batch 4/248, train_loss: 0.9996, step time: 0.3753
Batch 5/248, train_loss: 0.6772, step time: 0.3747
Batch 6/248, train_loss: 0.6297, step time: 0.3841
Batch 7/248, train_loss: 0.1129, step time: 0.3556
Batch 8/248, train_loss: 0.7514, step time: 0.3797
Batch 9/248, train_loss: 0.0717, step time: 0.3395
Batch 10/248, train_loss: 0.8314, step time: 0.3585
Batch 11/248, train_loss: 0.6171, step time: 0.3722
Batch 12/248, train_loss: 0.9912, step time: 0.3657
Batch 13/248, train_loss: 0.9263, step time: 0.3473
Batch 14/248, train_loss: 0.0861, step time: 0.3400
Batch 15/248, train_loss: 0.8278, step time: 0.3408
Batch 16/248, train_loss: 0.5374, step time: 0.3447
Batch 17/248, train_loss: 0.9818, step time: 0.3825
Batch 18/248, train_loss: 0.9541, step time: 0.3603
Batch 19/248, train_loss: 0.1588, step time: 0.3732
Batch 20/248, train_loss: 0.5973, step time: 0.3476
Batch 21/248, train_loss: 0.1210, step time: 0.3715
Batch 22/248, train_loss: 0.9999, step time: 0.3798
Batch 23/248, train_loss: 0.9949, step time: 0.3739
Batch 24/248, train_loss: 0.2078, step time: 0.3400
Batch 25/248, train_loss: 0.1238, step time: 0.3842
Batch 26/248, train_loss: 0.9627, step time: 0.3394
Batch 27/248, train_loss: 0.1035, step time: 0.3535
Batch 28/248, train_loss: 0.5098, step time: 0.3800
Batch 29/248, train_loss: 0.9809, step time: 0.3672
Batch 30/248, train_loss: 0.9251, step time: 0.3430
Batch 31/248, train_loss: 0.8124, step time: 0.3424
Batch 32/248, train_loss: 0.1818, step time: 0.3822
Batch 33/248, train_loss: 0.1096, step time: 0.3394
Batch 34/248, train_loss: 0.0774, step time: 0.3666
Batch 35/248, train_loss: 0.1401, step time: 0.3654
Batch 36/248, train_loss: 0.9973, step time: 0.3437
Batch 37/248, train_loss: 0.3405, step time: 0.3397
Batch 38/248, train_loss: 0.7587, step time: 0.3433
Batch 39/248, train_loss: 0.3779, step time: 0.3469
Batch 40/248, train_loss: 1.0000, step time: 0.3699
Batch 41/248, train_loss: 0.2640, step time: 0.3444
Batch 42/248, train_loss: 0.1074, step time: 0.3378
Batch 43/248, train_loss: 0.1105, step time: 0.3558
Batch 44/248, train_loss: 0.4749, step time: 0.3772
Batch 45/248, train_loss: 0.8092, step time: 0.3687
Batch 46/248, train_loss: 0.3650, step time: 0.3474
Batch 47/248, train_loss: 0.4753, step time: 0.3383
Batch 48/248, train_loss: 0.4245, step time: 0.3675
Batch 49/248, train_loss: 0.9444, step time: 0.3763
Batch 50/248, train_loss: 0.5919, step time: 0.3455
Batch 51/248, train_loss: 0.5529, step time: 0.3503
Batch 52/248, train_loss: 0.3509, step time: 0.3571
Batch 53/248, train_loss: 0.8372, step time: 0.3634
Batch 54/248, train_loss: 0.5691, step time: 0.3386
Batch 55/248, train_loss: 0.8128, step time: 0.3675
Batch 56/248, train_loss: 0.5835, step time: 0.3489
Batch 57/248, train_loss: 0.6269, step time: 0.3476
Batch 58/248, train_loss: 0.1502, step time: 0.3552
Batch 59/248, train_loss: 0.2054, step time: 0.3460
Batch 60/248, train_loss: 0.1373, step time: 0.3679
Batch 61/248, train_loss: 0.2234, step time: 0.3653
Batch 62/248, train_loss: 0.8699, step time: 0.3805
Batch 63/248, train_loss: 0.9753, step time: 0.3781
Batch 64/248, train_loss: 0.9645, step time: 0.3403
Batch 65/248, train_loss: 0.6024, step time: 0.3479
Batch 66/248, train_loss: 0.5471, step time: 0.3595
Batch 67/248, train_loss: 0.1504, step time: 0.3501
Batch 68/248, train_loss: 0.1710, step time: 0.3761
Batch 69/248, train_loss: 0.9999, step time: 0.3683
Batch 70/248, train_loss: 0.2316, step time: 0.3714
Batch 71/248, train_loss: 0.2621, step time: 0.3499
Batch 72/248, train_loss: 0.1528, step time: 0.3462
Batch 73/248, train_loss: 0.3869, step time: 0.3499
Batch 74/248, train_loss: 0.9991, step time: 0.3850
Batch 75/248, train_loss: 0.2299, step time: 0.3399
Batch 76/248, train_loss: 0.9802, step time: 0.3714
Batch 77/248, train_loss: 0.9993, step time: 0.3414
```

Batch 77/248, train_loss: 0.3485, step time: 0.3611
Batch 78/248, train_loss: 0.3482, step time: 0.3613
Batch 79/248, train_loss: 0.5459, step time: 0.3526
Batch 80/248, train_loss: 0.8258, step time: 0.3681
Batch 81/248, train_loss: 0.8701, step time: 0.3867
Batch 82/248, train_loss: 0.2027, step time: 0.3845
Batch 83/248, train_loss: 0.9796, step time: 0.3395
Batch 84/248, train_loss: 0.6171, step time: 0.3440
Batch 85/248, train_loss: 0.9792, step time: 0.3376
Batch 86/248, train_loss: 0.4749, step time: 0.3639
Batch 87/248, train_loss: 0.9811, step time: 0.3472
Batch 88/248, train_loss: 0.9594, step time: 0.3722
Batch 89/248, train_loss: 0.1614, step time: 0.3506
Batch 90/248, train_loss: 0.6427, step time: 0.3416
Batch 91/248, train_loss: 0.9748, step time: 0.3693
Batch 92/248, train_loss: 0.5115, step time: 0.3745
Batch 93/248, train_loss: 0.2688, step time: 0.3479
Batch 94/248, train_loss: 0.9660, step time: 0.3427
Batch 95/248, train_loss: 0.3248, step time: 0.3799
Batch 96/248, train_loss: 0.3429, step time: 0.3679
Batch 97/248, train_loss: 0.9999, step time: 0.3536
Batch 98/248, train_loss: 0.1945, step time: 0.3792
Batch 99/248, train_loss: 0.9441, step time: 0.3489
Batch 100/248, train_loss: 0.9980, step time: 0.3705
Batch 101/248, train_loss: 0.0911, step time: 0.3393
Batch 102/248, train_loss: 0.3831, step time: 0.3632
Batch 103/248, train_loss: 0.9807, step time: 0.3767
Batch 104/248, train_loss: 0.4377, step time: 0.3664
Batch 105/248, train_loss: 0.1378, step time: 0.3764
Batch 106/248, train_loss: 0.6312, step time: 0.3477
Batch 107/248, train_loss: 0.9213, step time: 0.3787
Batch 108/248, train_loss: 0.9577, step time: 0.3475
Batch 109/248, train_loss: 0.9980, step time: 0.3673
Batch 110/248, train_loss: 0.7276, step time: 0.3473
Batch 111/248, train_loss: 0.1706, step time: 0.3477
Batch 112/248, train_loss: 0.3000, step time: 0.3683
Batch 113/248, train_loss: 0.9998, step time: 0.3561
Batch 114/248, train_loss: 0.2699, step time: 0.3854
Batch 115/248, train_loss: 0.4281, step time: 0.3500
Batch 116/248, train_loss: 0.1160, step time: 0.3707
Batch 117/248, train_loss: 0.9881, step time: 0.3565
Batch 118/248, train_loss: 0.9371, step time: 0.3843
Batch 119/248, train_loss: 0.4950, step time: 0.3405
Batch 120/248, train_loss: 0.5462, step time: 0.3656
Batch 121/248, train_loss: 0.8429, step time: 0.3486
Batch 122/248, train_loss: 0.9065, step time: 0.3450
Batch 123/248, train_loss: 0.1751, step time: 0.3446
Batch 124/248, train_loss: 0.8992, step time: 0.3741
Batch 125/248, train_loss: 0.9816, step time: 0.3744
Batch 126/248, train_loss: 0.3431, step time: 0.3401
Batch 127/248, train_loss: 0.4297, step time: 0.3741
Batch 128/248, train_loss: 0.7594, step time: 0.3777
Batch 129/248, train_loss: 0.1521, step time: 0.3799
Batch 130/248, train_loss: 0.1905, step time: 0.3719
Batch 131/248, train_loss: 0.9356, step time: 0.3404
Batch 132/248, train_loss: 0.8941, step time: 0.3425
Batch 133/248, train_loss: 0.2392, step time: 0.3831
Batch 134/248, train_loss: 0.9999, step time: 0.3603
Batch 135/248, train_loss: 0.9417, step time: 0.3631
Batch 136/248, train_loss: 0.6514, step time: 0.3451
Batch 137/248, train_loss: 0.1764, step time: 0.3576
Batch 138/248, train_loss: 0.1298, step time: 0.3622
Batch 139/248, train_loss: 0.2236, step time: 0.3846
Batch 140/248, train_loss: 0.6293, step time: 0.3628
Batch 141/248, train_loss: 0.2785, step time: 0.3792
Batch 142/248, train_loss: 0.9874, step time: 0.3759
Batch 143/248, train_loss: 0.6913, step time: 0.3780
Batch 144/248, train_loss: 0.1924, step time: 0.3513
Batch 145/248, train_loss: 0.1115, step time: 0.3477
Batch 146/248, train_loss: 0.9916, step time: 0.3802
Batch 147/248, train_loss: 0.0893, step time: 0.3661
Batch 148/248, train_loss: 0.9632, step time: 0.3749
Batch 149/248, train_loss: 0.3644, step time: 0.3589
Batch 150/248, train_loss: 0.6031, step time: 0.3815
Batch 151/248, train_loss: 0.9329, step time: 0.3593
Batch 152/248, train_loss: 0.0795, step time: 0.3837
Batch 153/248, train_loss: 0.8796, step time: 0.3858
Batch 154/248, train_loss: 0.9716, step time: 0.3461
Batch 155/248, train_loss: 0.3909, step time: 0.3417
Batch 156/248, train_loss: 0.4275, step time: 0.3836
Batch 157/248, train_loss: 0.4107, step time: 0.3503
Batch 158/248, train_loss: 0.9978, step time: 0.3753
Batch 159/248, train_loss: 0.9910, step time: 0.3739
Batch 160/248, train_loss: 0.1800, step time: 0.3406
Batch 161/248, train_loss: 0.3090, step time: 0.3781

Batch 162/248, train_loss: 0.1220, step time: 0.3562
Batch 163/248, train_loss: 0.9370, step time: 0.3630
Batch 164/248, train_loss: 0.4739, step time: 0.3558
Batch 165/248, train_loss: 0.9989, step time: 0.3469
Batch 166/248, train_loss: 0.8256, step time: 0.3462
Batch 167/248, train_loss: 0.5397, step time: 0.3693
Batch 168/248, train_loss: 0.4345, step time: 0.3783
Batch 169/248, train_loss: 0.2082, step time: 0.3681
Batch 170/248, train_loss: 0.9735, step time: 0.3392
Batch 171/248, train_loss: 0.1288, step time: 0.3389
Batch 172/248, train_loss: 0.9980, step time: 0.3832
Batch 173/248, train_loss: 0.1377, step time: 0.3739
Batch 174/248, train_loss: 0.9723, step time: 0.3420
Batch 175/248, train_loss: 0.2228, step time: 0.3793
Batch 176/248, train_loss: 0.6349, step time: 0.3605
Batch 177/248, train_loss: 0.9919, step time: 0.3451
Batch 178/248, train_loss: 0.2933, step time: 0.3581
Batch 179/248, train_loss: 0.1277, step time: 0.3590
Batch 180/248, train_loss: 0.4806, step time: 0.3455
Batch 181/248, train_loss: 0.1726, step time: 0.3738
Batch 182/248, train_loss: 0.9328, step time: 0.3482
Batch 183/248, train_loss: 0.4114, step time: 0.3391
Batch 184/248, train_loss: 0.8616, step time: 0.3789
Batch 185/248, train_loss: 0.3958, step time: 0.3562
Batch 186/248, train_loss: 0.1613, step time: 0.3430
Batch 187/248, train_loss: 0.2905, step time: 0.3830
Batch 188/248, train_loss: 0.4804, step time: 0.3560
Batch 189/248, train_loss: 0.9979, step time: 0.3724
Batch 190/248, train_loss: 0.3425, step time: 0.3446
Batch 191/248, train_loss: 0.9925, step time: 0.3762
Batch 192/248, train_loss: 0.3935, step time: 0.3614
Batch 193/248, train_loss: 0.7347, step time: 0.3813
Batch 194/248, train_loss: 0.5536, step time: 0.3414
Batch 195/248, train_loss: 0.9967, step time: 0.3462
Batch 196/248, train_loss: 0.9999, step time: 0.3469
Batch 197/248, train_loss: 0.7380, step time: 0.3829
Batch 198/248, train_loss: 1.0000, step time: 0.3556
Batch 199/248, train_loss: 0.5009, step time: 0.3446
Batch 200/248, train_loss: 0.3362, step time: 0.3869
Batch 201/248, train_loss: 0.2116, step time: 0.3429
Batch 202/248, train_loss: 0.7152, step time: 0.3542
Batch 203/248, train_loss: 0.9766, step time: 0.3391
Batch 204/248, train_loss: 0.1528, step time: 0.3553
Batch 205/248, train_loss: 0.8909, step time: 0.3818
Batch 206/248, train_loss: 0.9894, step time: 0.3435
Batch 207/248, train_loss: 0.1406, step time: 0.3490
Batch 208/248, train_loss: 0.3944, step time: 0.3434
Batch 209/248, train_loss: 0.2855, step time: 0.3816
Batch 210/248, train_loss: 0.1274, step time: 0.3714
Batch 211/248, train_loss: 0.1329, step time: 0.3532
Batch 212/248, train_loss: 0.6592, step time: 0.3442
Batch 213/248, train_loss: 0.6137, step time: 0.3795
Batch 214/248, train_loss: 0.2161, step time: 0.3643
Batch 215/248, train_loss: 0.7452, step time: 0.3630
Batch 216/248, train_loss: 0.2655, step time: 0.3732
Batch 217/248, train_loss: 0.8613, step time: 0.3862
Batch 218/248, train_loss: 0.9976, step time: 0.3719
Batch 219/248, train_loss: 0.1553, step time: 0.3710
Batch 220/248, train_loss: 0.7397, step time: 0.3750
Batch 221/248, train_loss: 0.7338, step time: 0.3788
Batch 222/248, train_loss: 0.2727, step time: 0.3424
Batch 223/248, train_loss: 0.0836, step time: 0.3803
Batch 224/248, train_loss: 0.1477, step time: 0.3735
Batch 225/248, train_loss: 0.9695, step time: 0.3450
Batch 226/248, train_loss: 0.8911, step time: 0.3645
Batch 227/248, train_loss: 0.2450, step time: 0.3528
Batch 228/248, train_loss: 0.7418, step time: 0.3566
Batch 229/248, train_loss: 0.1798, step time: 0.3822
Batch 230/248, train_loss: 0.1791, step time: 0.3493
Batch 231/248, train_loss: 0.9954, step time: 0.3506
Batch 232/248, train_loss: 0.1657, step time: 0.3774
Batch 233/248, train_loss: 0.9997, step time: 0.3564
Batch 234/248, train_loss: 0.9876, step time: 0.3740
Batch 235/248, train_loss: 0.9649, step time: 0.3810
Batch 236/248, train_loss: 0.9980, step time: 0.3403
Batch 237/248, train_loss: 0.2240, step time: 0.3612
Batch 238/248, train_loss: 0.1813, step time: 0.3816
Batch 239/248, train_loss: 0.0898, step time: 0.3706
Batch 240/248, train_loss: 0.6438, step time: 0.3669
Batch 241/248, train_loss: 0.9998, step time: 0.3412
Batch 242/248, train_loss: 0.8197, step time: 0.3708
Batch 243/248, train_loss: 0.9971, step time: 0.3641
Batch 244/248, train_loss: 0.9489, step time: 0.3629
Batch 245/248, train_loss: 0.1761, step time: 0.3576
Batch 246/248, train_loss: 0.9784, step time: 0.3472

Batch 247/248, train_loss: 0.1178, step time: 0.3686
Batch 248/248, train_loss: 1.0000, step time: 0.3500

Labels



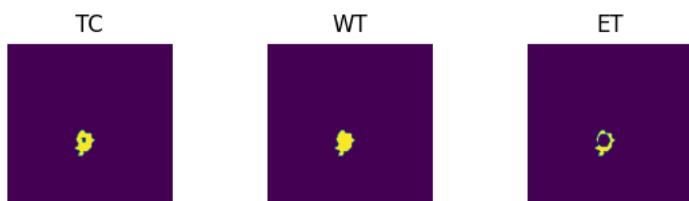
Predictions



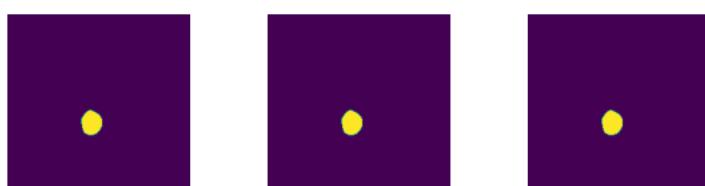
VAL

Batch 1/31, val_loss: 0.8848
Batch 2/31, val_loss: 0.9996
Batch 3/31, val_loss: 0.9946
Batch 4/31, val_loss: 0.9915
Batch 5/31, val_loss: 0.9998
Batch 6/31, val_loss: 0.7003
Batch 7/31, val_loss: 0.8637
Batch 8/31, val_loss: 0.9855
Batch 9/31, val_loss: 0.7224
Batch 10/31, val_loss: 0.9689
Batch 11/31, val_loss: 0.8491
Batch 12/31, val_loss: 0.9783
Batch 13/31, val_loss: 0.9938
Batch 14/31, val_loss: 0.9701
Batch 15/31, val_loss: 0.9999
Batch 16/31, val_loss: 0.9878
Batch 17/31, val_loss: 0.9945
Batch 18/31, val_loss: 0.9827
Batch 19/31, val_loss: 0.7867
Batch 20/31, val_loss: 0.8772
Batch 21/31, val_loss: 0.9183
Batch 22/31, val_loss: 0.9980
Batch 23/31, val_loss: 0.9935
Batch 24/31, val_loss: 0.6973
Batch 25/31, val_loss: 0.8178
Batch 26/31, val_loss: 0.9451
Batch 27/31, val_loss: 0.9986
Batch 28/31, val_loss: 0.7821
Batch 29/31, val_loss: 0.9952
Batch 30/31, val_loss: 0.9901
Batch 31/31, val_loss: 0.9927

Labels



Predictions



epoch 70

average train loss: 0.5742
average validation loss: 0.9245
saved as best model: True
current_mean_dice: 0.3316

current mean dice: 0.3210
current TC dice: 0.3367
current WT dice: 0.3432
current ET dice: 0.3155
Best Mean Metric: 0.3216
time consuming of epoch 70 is: 1399.0902

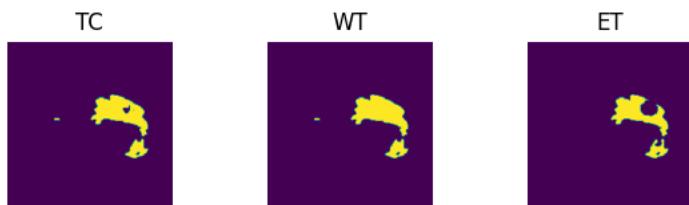
epoch 71/100
TRAIN
Batch 1/248, train_loss: 0.1149, step time: 0.3592
Batch 2/248, train_loss: 0.9999, step time: 0.3567
Batch 3/248, train_loss: 0.9111, step time: 0.3498
Batch 4/248, train_loss: 0.9987, step time: 0.3810
Batch 5/248, train_loss: 0.6559, step time: 0.3759
Batch 6/248, train_loss: 0.6510, step time: 0.3804
Batch 7/248, train_loss: 0.1161, step time: 0.3633
Batch 8/248, train_loss: 0.7517, step time: 0.3475
Batch 9/248, train_loss: 0.0716, step time: 0.3819
Batch 10/248, train_loss: 0.8276, step time: 0.3413
Batch 11/248, train_loss: 0.6072, step time: 0.3438
Batch 12/248, train_loss: 0.9881, step time: 0.3567
Batch 13/248, train_loss: 0.9200, step time: 0.3511
Batch 14/248, train_loss: 0.0796, step time: 0.3731
Batch 15/248, train_loss: 0.8098, step time: 0.3785
Batch 16/248, train_loss: 0.5463, step time: 0.3397
Batch 17/248, train_loss: 0.9823, step time: 0.3675
Batch 18/248, train_loss: 0.9485, step time: 0.3506
Batch 19/248, train_loss: 0.1491, step time: 0.3572
Batch 20/248, train_loss: 0.5820, step time: 0.3713
Batch 21/248, train_loss: 0.1239, step time: 0.3411
Batch 22/248, train_loss: 0.9996, step time: 0.3860
Batch 23/248, train_loss: 0.9995, step time: 0.3667
Batch 24/248, train_loss: 0.2133, step time: 0.3832
Batch 25/248, train_loss: 0.1228, step time: 0.3786
Batch 26/248, train_loss: 0.9678, step time: 0.3682
Batch 27/248, train_loss: 0.0986, step time: 0.3446
Batch 28/248, train_loss: 0.5202, step time: 0.3672
Batch 29/248, train_loss: 0.9786, step time: 0.3571
Batch 30/248, train_loss: 0.5966, step time: 0.3570
Batch 31/248, train_loss: 0.7976, step time: 0.3821
Batch 32/248, train_loss: 0.1677, step time: 0.3845
Batch 33/248, train_loss: 0.1087, step time: 0.3693
Batch 34/248, train_loss: 0.0767, step time: 0.3564
Batch 35/248, train_loss: 0.1258, step time: 0.3673
Batch 36/248, train_loss: 0.9993, step time: 0.3473
Batch 37/248, train_loss: 0.3029, step time: 0.3566
Batch 38/248, train_loss: 0.7515, step time: 0.3533
Batch 39/248, train_loss: 0.3643, step time: 0.3799
Batch 40/248, train_loss: 0.9984, step time: 0.3668
Batch 41/248, train_loss: 0.2442, step time: 0.3457
Batch 42/248, train_loss: 0.1068, step time: 0.3630
Batch 43/248, train_loss: 0.0914, step time: 0.3644
Batch 44/248, train_loss: 0.4366, step time: 0.3587
Batch 45/248, train_loss: 0.7695, step time: 0.3471
Batch 46/248, train_loss: 0.3386, step time: 0.3697
Batch 47/248, train_loss: 0.4522, step time: 0.3711
Batch 48/248, train_loss: 0.4519, step time: 0.3720
Batch 49/248, train_loss: 0.9575, step time: 0.3492
Batch 50/248, train_loss: 0.5659, step time: 0.3736
Batch 51/248, train_loss: 0.5397, step time: 0.3644
Batch 52/248, train_loss: 0.3534, step time: 0.3423
Batch 53/248, train_loss: 0.8263, step time: 0.3395
Batch 54/248, train_loss: 0.5401, step time: 0.3443
Batch 55/248, train_loss: 0.8142, step time: 0.3650
Batch 56/248, train_loss: 0.5650, step time: 0.3506
Batch 57/248, train_loss: 0.5956, step time: 0.3443
Batch 58/248, train_loss: 0.1439, step time: 0.3843
Batch 59/248, train_loss: 0.2134, step time: 0.3714
Batch 60/248, train_loss: 0.1243, step time: 0.3482
Batch 61/248, train_loss: 0.2066, step time: 0.3786
Batch 62/248, train_loss: 0.8618, step time: 0.3555
Batch 63/248, train_loss: 0.9682, step time: 0.3766
Batch 64/248, train_loss: 0.9546, step time: 0.3826
Batch 65/248, train_loss: 0.5973, step time: 0.3826
Batch 66/248, train_loss: 0.5527, step time: 0.3546
Batch 67/248, train_loss: 0.1395, step time: 0.3469
Batch 68/248, train_loss: 0.1562, step time: 0.3459
Batch 69/248, train_loss: 0.9997, step time: 0.3800
Batch 70/248, train_loss: 0.2304, step time: 0.3524
Batch 71/248, train_loss: 0.2329, step time: 0.3539
Batch 72/248, train_loss: 0.1153, step time: 0.3563
Batch 73/248, train_loss: 0.3514, step time: 0.3664
Batch 74/248, train_loss: 0.9977, step time: 0.3408
Batch 75/248, train_loss: 0.2312, step time: 0.3448
Batch 76/248, train_loss: 0.9775, step time: 0.3571

Batch 77/248, train_loss: 0.9962, step time: 0.3406
Batch 78/248, train_loss: 0.3311, step time: 0.3394
Batch 79/248, train_loss: 0.4901, step time: 0.3489
Batch 80/248, train_loss: 0.8036, step time: 0.3672
Batch 81/248, train_loss: 0.8384, step time: 0.3846
Batch 82/248, train_loss: 0.1823, step time: 0.3506
Batch 83/248, train_loss: 0.9811, step time: 0.3816
Batch 84/248, train_loss: 0.5699, step time: 0.3841
Batch 85/248, train_loss: 0.9784, step time: 0.3827
Batch 86/248, train_loss: 0.5295, step time: 0.3461
Batch 87/248, train_loss: 0.9201, step time: 0.3820
Batch 88/248, train_loss: 0.9415, step time: 0.3871
Batch 89/248, train_loss: 0.1174, step time: 0.3648
Batch 90/248, train_loss: 0.5985, step time: 0.3750
Batch 91/248, train_loss: 0.9761, step time: 0.3794
Batch 92/248, train_loss: 0.5950, step time: 0.3773
Batch 93/248, train_loss: 0.2270, step time: 0.3388
Batch 94/248, train_loss: 0.9811, step time: 0.3464
Batch 95/248, train_loss: 0.3043, step time: 0.3809
Batch 96/248, train_loss: 0.3355, step time: 0.3483
Batch 97/248, train_loss: 1.0000, step time: 0.3495
Batch 98/248, train_loss: 0.2021, step time: 0.3666
Batch 99/248, train_loss: 0.9406, step time: 0.3804
Batch 100/248, train_loss: 0.9992, step time: 0.3715
Batch 101/248, train_loss: 0.0841, step time: 0.3754
Batch 102/248, train_loss: 0.3793, step time: 0.3484
Batch 103/248, train_loss: 0.9720, step time: 0.3650
Batch 104/248, train_loss: 0.4080, step time: 0.3645
Batch 105/248, train_loss: 0.1450, step time: 0.3791
Batch 106/248, train_loss: 0.6255, step time: 0.3427
Batch 107/248, train_loss: 0.9241, step time: 0.3407
Batch 108/248, train_loss: 0.9564, step time: 0.3443
Batch 109/248, train_loss: 0.9938, step time: 0.3785
Batch 110/248, train_loss: 0.9528, step time: 0.3718
Batch 111/248, train_loss: 0.1685, step time: 0.3723
Batch 112/248, train_loss: 0.2842, step time: 0.3753
Batch 113/248, train_loss: 1.0000, step time: 0.3537
Batch 114/248, train_loss: 0.2260, step time: 0.3539
Batch 115/248, train_loss: 0.3939, step time: 0.3698
Batch 116/248, train_loss: 0.1169, step time: 0.3834
Batch 117/248, train_loss: 0.9914, step time: 0.3655
Batch 118/248, train_loss: 0.9411, step time: 0.3532
Batch 119/248, train_loss: 0.4927, step time: 0.3553
Batch 120/248, train_loss: 0.5242, step time: 0.3429
Batch 121/248, train_loss: 0.8360, step time: 0.3484
Batch 122/248, train_loss: 0.9270, step time: 0.3438
Batch 123/248, train_loss: 0.1682, step time: 0.3767
Batch 124/248, train_loss: 0.9086, step time: 0.3812
Batch 125/248, train_loss: 0.9836, step time: 0.3833
Batch 126/248, train_loss: 0.3729, step time: 0.3485
Batch 127/248, train_loss: 0.4383, step time: 0.3514
Batch 128/248, train_loss: 0.7762, step time: 0.3481
Batch 129/248, train_loss: 0.1672, step time: 0.3492
Batch 130/248, train_loss: 0.1670, step time: 0.3794
Batch 131/248, train_loss: 0.9110, step time: 0.3530
Batch 132/248, train_loss: 0.9580, step time: 0.3517
Batch 133/248, train_loss: 0.1964, step time: 0.3801
Batch 134/248, train_loss: 1.0000, step time: 0.3462
Batch 135/248, train_loss: 0.9508, step time: 0.3551
Batch 136/248, train_loss: 0.6601, step time: 0.3499
Batch 137/248, train_loss: 0.1583, step time: 0.3416
Batch 138/248, train_loss: 0.1320, step time: 0.3697
Batch 139/248, train_loss: 0.2456, step time: 0.3711
Batch 140/248, train_loss: 0.6371, step time: 0.3438
Batch 141/248, train_loss: 0.2455, step time: 0.3803
Batch 142/248, train_loss: 0.9892, step time: 0.3640
Batch 143/248, train_loss: 0.7218, step time: 0.3639
Batch 144/248, train_loss: 0.1915, step time: 0.3413
Batch 145/248, train_loss: 0.0968, step time: 0.3592
Batch 146/248, train_loss: 0.9854, step time: 0.3438
Batch 147/248, train_loss: 0.0783, step time: 0.3803
Batch 148/248, train_loss: 0.9558, step time: 0.3800
Batch 149/248, train_loss: 0.3745, step time: 0.3401
Batch 150/248, train_loss: 0.5992, step time: 0.3474
Batch 151/248, train_loss: 0.9442, step time: 0.3716
Batch 152/248, train_loss: 0.0791, step time: 0.3448
Batch 153/248, train_loss: 0.8906, step time: 0.3718
Batch 154/248, train_loss: 0.9727, step time: 0.3727
Batch 155/248, train_loss: 0.3637, step time: 0.3506
Batch 156/248, train_loss: 0.4167, step time: 0.3824
Batch 157/248, train_loss: 0.4049, step time: 0.3683
Batch 158/248, train_loss: 0.9993, step time: 0.3683
Batch 159/248, train_loss: 0.9893, step time: 0.3836
Batch 160/248, train_loss: 0.1752, step time: 0.3846
Batch 161/248, train_loss: 0.3106, step time: 0.3472

Batch 162/248, train_loss: 0.1518, step time: 0.3401
Batch 163/248, train_loss: 0.9336, step time: 0.3800
Batch 164/248, train_loss: 0.4793, step time: 0.3579
Batch 165/248, train_loss: 0.9979, step time: 0.3745
Batch 166/248, train_loss: 0.8214, step time: 0.3461
Batch 167/248, train_loss: 0.5300, step time: 0.3582
Batch 168/248, train_loss: 0.4296, step time: 0.3703
Batch 169/248, train_loss: 0.2190, step time: 0.3773
Batch 170/248, train_loss: 0.9804, step time: 0.3475
Batch 171/248, train_loss: 0.1209, step time: 0.3452
Batch 172/248, train_loss: 0.9983, step time: 0.3855
Batch 173/248, train_loss: 0.1398, step time: 0.3699
Batch 174/248, train_loss: 0.9778, step time: 0.3679
Batch 175/248, train_loss: 0.2168, step time: 0.3428
Batch 176/248, train_loss: 0.6273, step time: 0.3462
Batch 177/248, train_loss: 0.9973, step time: 0.3458
Batch 178/248, train_loss: 0.2863, step time: 0.3553
Batch 179/248, train_loss: 0.1244, step time: 0.3450
Batch 180/248, train_loss: 0.5284, step time: 0.3442
Batch 181/248, train_loss: 0.1605, step time: 0.3510
Batch 182/248, train_loss: 0.9356, step time: 0.3456
Batch 183/248, train_loss: 0.4356, step time: 0.3409
Batch 184/248, train_loss: 0.8643, step time: 0.3593
Batch 185/248, train_loss: 0.3947, step time: 0.3411
Batch 186/248, train_loss: 0.1581, step time: 0.3498
Batch 187/248, train_loss: 0.2794, step time: 0.3567
Batch 188/248, train_loss: 0.4939, step time: 0.3573
Batch 189/248, train_loss: 0.9974, step time: 0.3686
Batch 190/248, train_loss: 0.3188, step time: 0.3789
Batch 191/248, train_loss: 0.9952, step time: 0.3457
Batch 192/248, train_loss: 0.3924, step time: 0.3463
Batch 193/248, train_loss: 0.7263, step time: 0.3543
Batch 194/248, train_loss: 0.5428, step time: 0.3826
Batch 195/248, train_loss: 0.9997, step time: 0.3435
Batch 196/248, train_loss: 0.9999, step time: 0.3572
Batch 197/248, train_loss: 0.7313, step time: 0.3658
Batch 198/248, train_loss: 1.0000, step time: 0.3642
Batch 199/248, train_loss: 0.4467, step time: 0.3491
Batch 200/248, train_loss: 0.3164, step time: 0.3779
Batch 201/248, train_loss: 0.1961, step time: 0.3852
Batch 202/248, train_loss: 0.7301, step time: 0.3530
Batch 203/248, train_loss: 0.9812, step time: 0.3529
Batch 204/248, train_loss: 0.1492, step time: 0.3742
Batch 205/248, train_loss: 0.8510, step time: 0.3783
Batch 206/248, train_loss: 0.9893, step time: 0.3743
Batch 207/248, train_loss: 0.1465, step time: 0.3797
Batch 208/248, train_loss: 0.3775, step time: 0.3833
Batch 209/248, train_loss: 0.2923, step time: 0.3414
Batch 210/248, train_loss: 0.1184, step time: 0.3795
Batch 211/248, train_loss: 0.1293, step time: 0.3860
Batch 212/248, train_loss: 0.6569, step time: 0.3495
Batch 213/248, train_loss: 0.6004, step time: 0.3412
Batch 214/248, train_loss: 0.2242, step time: 0.3424
Batch 215/248, train_loss: 0.7417, step time: 0.3640
Batch 216/248, train_loss: 0.2769, step time: 0.3479
Batch 217/248, train_loss: 0.8943, step time: 0.3589
Batch 218/248, train_loss: 0.9994, step time: 0.3608
Batch 219/248, train_loss: 0.1425, step time: 0.3755
Batch 220/248, train_loss: 0.7364, step time: 0.3509
Batch 221/248, train_loss: 0.7254, step time: 0.3479
Batch 222/248, train_loss: 0.2553, step time: 0.3769
Batch 223/248, train_loss: 0.0844, step time: 0.3574
Batch 224/248, train_loss: 0.1447, step time: 0.3442
Batch 225/248, train_loss: 0.9719, step time: 0.3437
Batch 226/248, train_loss: 0.8815, step time: 0.3412
Batch 227/248, train_loss: 0.2600, step time: 0.3447
Batch 228/248, train_loss: 0.7159, step time: 0.3812
Batch 229/248, train_loss: 0.1712, step time: 0.3718
Batch 230/248, train_loss: 0.2060, step time: 0.3444
Batch 231/248, train_loss: 0.9996, step time: 0.3500
Batch 232/248, train_loss: 0.1776, step time: 0.3493
Batch 233/248, train_loss: 0.9995, step time: 0.3497
Batch 234/248, train_loss: 0.9862, step time: 0.3415
Batch 235/248, train_loss: 0.9734, step time: 0.3597
Batch 236/248, train_loss: 0.9992, step time: 0.3590
Batch 237/248, train_loss: 0.2306, step time: 0.3648
Batch 238/248, train_loss: 0.1901, step time: 0.3461
Batch 239/248, train_loss: 0.0938, step time: 0.3446
Batch 240/248, train_loss: 0.6720, step time: 0.3684
Batch 241/248, train_loss: 0.9999, step time: 0.3855
Batch 242/248, train_loss: 0.8317, step time: 0.3819
Batch 243/248, train_loss: 0.9986, step time: 0.3519
Batch 244/248, train_loss: 0.9494, step time: 0.3405
Batch 245/248, train_loss: 0.1763, step time: 0.3475
Batch 246/248, train_loss: 0.9844, step time: 0.3393

```
Batch 247/248, train_loss: 0.1231, step time: 0.3797  
Batch 248/248, train_loss: 1.0000, step time: 0.3774
```

Labels



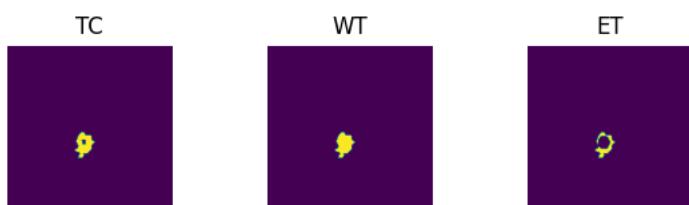
Predictions



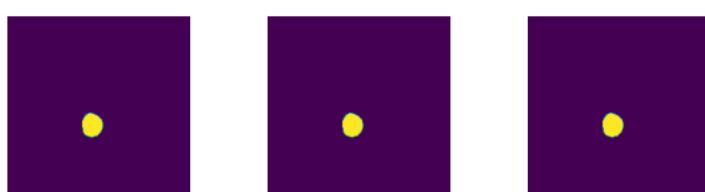
VAL

```
Batch 1/31, val_loss: 0.8772  
Batch 2/31, val_loss: 0.9996  
Batch 3/31, val_loss: 0.9949  
Batch 4/31, val_loss: 0.9911  
Batch 5/31, val_loss: 0.9998  
Batch 6/31, val_loss: 0.7255  
Batch 7/31, val_loss: 0.8541  
Batch 8/31, val_loss: 0.9816  
Batch 9/31, val_loss: 0.7332  
Batch 10/31, val_loss: 0.9655  
Batch 11/31, val_loss: 0.8536  
Batch 12/31, val_loss: 0.9760  
Batch 13/31, val_loss: 0.9812  
Batch 14/31, val_loss: 0.9680  
Batch 15/31, val_loss: 0.9998  
Batch 16/31, val_loss: 0.9905  
Batch 17/31, val_loss: 0.9968  
Batch 18/31, val_loss: 0.9798  
Batch 19/31, val_loss: 0.7770  
Batch 20/31, val_loss: 0.8737  
Batch 21/31, val_loss: 0.9203  
Batch 22/31, val_loss: 0.9993  
Batch 23/31, val_loss: 0.9874  
Batch 24/31, val_loss: 0.7256  
Batch 25/31, val_loss: 0.8168  
Batch 26/31, val_loss: 0.9464  
Batch 27/31, val_loss: 0.9918  
Batch 28/31, val_loss: 0.7778  
Batch 29/31, val_loss: 0.9946  
Batch 30/31, val_loss: 0.9910  
Batch 31/31, val_loss: 0.9926
```

Labels



Predictions



epoch 71

```
average train loss: 0.5698  
average validation loss: 0.9246  
saved as best model: False
```

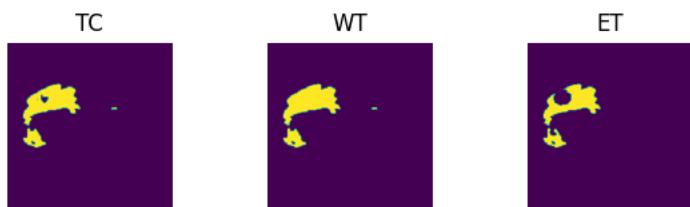
```
current mean dice: 0.3214
current TC dice: 0.3373
current WT dice: 0.3438
current ET dice: 0.3135
Best Mean Metric: 0.3216
time consuming of epoch 71 is: 1365.9350
-----
epoch 72/100
TRAIN
Batch 1/248, train_loss: 0.1129, step time: 0.3389
Batch 2/248, train_loss: 0.9947, step time: 0.3478
Batch 3/248, train_loss: 0.9107, step time: 0.3544
Batch 4/248, train_loss: 0.9997, step time: 0.3535
Batch 5/248, train_loss: 0.6625, step time: 0.3420
Batch 6/248, train_loss: 0.6274, step time: 0.3423
Batch 7/248, train_loss: 0.1245, step time: 0.3721
Batch 8/248, train_loss: 0.7589, step time: 0.3417
Batch 9/248, train_loss: 0.0687, step time: 0.3807
Batch 10/248, train_loss: 0.8168, step time: 0.3555
Batch 11/248, train_loss: 0.5910, step time: 0.3473
Batch 12/248, train_loss: 0.9902, step time: 0.3681
Batch 13/248, train_loss: 0.9189, step time: 0.3746
Batch 14/248, train_loss: 0.0778, step time: 0.3506
Batch 15/248, train_loss: 0.8092, step time: 0.3495
Batch 16/248, train_loss: 0.5390, step time: 0.3504
Batch 17/248, train_loss: 0.9787, step time: 0.3625
Batch 18/248, train_loss: 0.9491, step time: 0.3556
Batch 19/248, train_loss: 0.1682, step time: 0.3597
Batch 20/248, train_loss: 0.5501, step time: 0.3530
Batch 21/248, train_loss: 0.1129, step time: 0.3554
Batch 22/248, train_loss: 0.9998, step time: 0.3456
Batch 23/248, train_loss: 0.9998, step time: 0.3499
Batch 24/248, train_loss: 0.1867, step time: 0.3415
Batch 25/248, train_loss: 0.1153, step time: 0.3767
Batch 26/248, train_loss: 0.9667, step time: 0.3549
Batch 27/248, train_loss: 0.0983, step time: 0.3717
Batch 28/248, train_loss: 0.5005, step time: 0.3405
Batch 29/248, train_loss: 0.9799, step time: 0.3498
Batch 30/248, train_loss: 0.5822, step time: 0.3824
Batch 31/248, train_loss: 0.7844, step time: 0.3379
Batch 32/248, train_loss: 0.1726, step time: 0.3483
Batch 33/248, train_loss: 0.1041, step time: 0.3469
Batch 34/248, train_loss: 0.0767, step time: 0.3535
Batch 35/248, train_loss: 0.1292, step time: 0.3454
Batch 36/248, train_loss: 0.9985, step time: 0.3758
Batch 37/248, train_loss: 0.3161, step time: 0.3640
Batch 38/248, train_loss: 0.7527, step time: 0.3638
Batch 39/248, train_loss: 0.3662, step time: 0.3828
Batch 40/248, train_loss: 0.9998, step time: 0.3375
Batch 41/248, train_loss: 0.2540, step time: 0.3779
Batch 42/248, train_loss: 0.1023, step time: 0.3491
Batch 43/248, train_loss: 0.0998, step time: 0.3594
Batch 44/248, train_loss: 0.4540, step time: 0.3791
Batch 45/248, train_loss: 0.7724, step time: 0.3850
Batch 46/248, train_loss: 0.3436, step time: 0.3796
Batch 47/248, train_loss: 0.4440, step time: 0.3691
Batch 48/248, train_loss: 0.4415, step time: 0.3830
Batch 49/248, train_loss: 0.9570, step time: 0.3399
Batch 50/248, train_loss: 0.5547, step time: 0.3843
Batch 51/248, train_loss: 0.5357, step time: 0.3442
Batch 52/248, train_loss: 0.3380, step time: 0.3819
Batch 53/248, train_loss: 0.8262, step time: 0.3419
Batch 54/248, train_loss: 0.5315, step time: 0.3747
Batch 55/248, train_loss: 0.8080, step time: 0.3435
Batch 56/248, train_loss: 0.6357, step time: 0.3653
Batch 57/248, train_loss: 0.5776, step time: 0.3689
Batch 58/248, train_loss: 0.1397, step time: 0.3406
Batch 59/248, train_loss: 0.1955, step time: 0.3393
Batch 60/248, train_loss: 0.1357, step time: 0.3536
Batch 61/248, train_loss: 0.2251, step time: 0.3538
Batch 62/248, train_loss: 0.8403, step time: 0.3457
Batch 63/248, train_loss: 0.9646, step time: 0.3859
Batch 64/248, train_loss: 0.9570, step time: 0.3555
Batch 65/248, train_loss: 0.6031, step time: 0.3815
Batch 66/248, train_loss: 0.5453, step time: 0.3669
Batch 67/248, train_loss: 0.1420, step time: 0.3862
Batch 68/248, train_loss: 0.1717, step time: 0.3658
Batch 69/248, train_loss: 0.9993, step time: 0.3785
Batch 70/248, train_loss: 0.2348, step time: 0.3412
Batch 71/248, train_loss: 0.2276, step time: 0.3422
Batch 72/248, train_loss: 0.1170, step time: 0.3423
Batch 73/248, train_loss: 0.2168, step time: 0.3795
Batch 74/248, train_loss: 0.9998, step time: 0.3829
Batch 75/248, train_loss: 0.2326, step time: 0.3857
Batch 76/248, train_loss: 0.9741, step time: 0.3591
```

Batch 77/248, train_loss: 0.9997, step time: 0.3441
Batch 78/248, train_loss: 0.2987, step time: 0.3691
Batch 79/248, train_loss: 0.4644, step time: 0.3430
Batch 80/248, train_loss: 0.6851, step time: 0.3403
Batch 81/248, train_loss: 0.7779, step time: 0.3400
Batch 82/248, train_loss: 0.1696, step time: 0.3725
Batch 83/248, train_loss: 0.9845, step time: 0.3787
Batch 84/248, train_loss: 0.5980, step time: 0.3789
Batch 85/248, train_loss: 0.9820, step time: 0.3427
Batch 86/248, train_loss: 0.3011, step time: 0.3672
Batch 87/248, train_loss: 0.9888, step time: 0.3658
Batch 88/248, train_loss: 0.9201, step time: 0.3434
Batch 89/248, train_loss: 0.1118, step time: 0.3770
Batch 90/248, train_loss: 0.5854, step time: 0.3448
Batch 91/248, train_loss: 0.9733, step time: 0.3696
Batch 92/248, train_loss: 0.6284, step time: 0.3383
Batch 93/248, train_loss: 0.2299, step time: 0.3549
Batch 94/248, train_loss: 0.9627, step time: 0.3853
Batch 95/248, train_loss: 0.2950, step time: 0.3759
Batch 96/248, train_loss: 0.3248, step time: 0.3454
Batch 97/248, train_loss: 1.0000, step time: 0.3845
Batch 98/248, train_loss: 0.1902, step time: 0.3719
Batch 99/248, train_loss: 0.9513, step time: 0.3675
Batch 100/248, train_loss: 0.9923, step time: 0.3710
Batch 101/248, train_loss: 0.0761, step time: 0.3648
Batch 102/248, train_loss: 0.3659, step time: 0.3669
Batch 103/248, train_loss: 0.9661, step time: 0.3559
Batch 104/248, train_loss: 0.4181, step time: 0.3504
Batch 105/248, train_loss: 0.1372, step time: 0.3603
Batch 106/248, train_loss: 0.6263, step time: 0.3458
Batch 107/248, train_loss: 0.9227, step time: 0.3841
Batch 108/248, train_loss: 0.9570, step time: 0.3532
Batch 109/248, train_loss: 0.9991, step time: 0.3804
Batch 110/248, train_loss: 0.6791, step time: 0.3458
Batch 111/248, train_loss: 0.1814, step time: 0.3389
Batch 112/248, train_loss: 0.2839, step time: 0.3594
Batch 113/248, train_loss: 0.9997, step time: 0.3386
Batch 114/248, train_loss: 0.2334, step time: 0.3689
Batch 115/248, train_loss: 0.4331, step time: 0.3587
Batch 116/248, train_loss: 0.1154, step time: 0.3770
Batch 117/248, train_loss: 0.9890, step time: 0.3837
Batch 118/248, train_loss: 0.9172, step time: 0.3640
Batch 119/248, train_loss: 0.5231, step time: 0.3510
Batch 120/248, train_loss: 0.5301, step time: 0.3383
Batch 121/248, train_loss: 0.8399, step time: 0.3485
Batch 122/248, train_loss: 0.9137, step time: 0.3420
Batch 123/248, train_loss: 0.1930, step time: 0.3434
Batch 124/248, train_loss: 0.8987, step time: 0.3563
Batch 125/248, train_loss: 0.9835, step time: 0.3523
Batch 126/248, train_loss: 0.4595, step time: 0.3576
Batch 127/248, train_loss: 0.4140, step time: 0.3521
Batch 128/248, train_loss: 0.7924, step time: 0.3399
Batch 129/248, train_loss: 0.1603, step time: 0.3615
Batch 130/248, train_loss: 0.1665, step time: 0.3643
Batch 131/248, train_loss: 0.9107, step time: 0.3785
Batch 132/248, train_loss: 0.8996, step time: 0.3415
Batch 133/248, train_loss: 0.2153, step time: 0.3559
Batch 134/248, train_loss: 1.0000, step time: 0.3499
Batch 135/248, train_loss: 0.9750, step time: 0.3509
Batch 136/248, train_loss: 0.6333, step time: 0.3850
Batch 137/248, train_loss: 0.2118, step time: 0.3665
Batch 138/248, train_loss: 0.1243, step time: 0.3442
Batch 139/248, train_loss: 0.2294, step time: 0.3766
Batch 140/248, train_loss: 0.6171, step time: 0.3836
Batch 141/248, train_loss: 0.2712, step time: 0.3405
Batch 142/248, train_loss: 0.9882, step time: 0.3612
Batch 143/248, train_loss: 0.6725, step time: 0.3755
Batch 144/248, train_loss: 0.1832, step time: 0.3549
Batch 145/248, train_loss: 0.1105, step time: 0.3804
Batch 146/248, train_loss: 0.9947, step time: 0.3410
Batch 147/248, train_loss: 0.0795, step time: 0.3727
Batch 148/248, train_loss: 0.9529, step time: 0.3421
Batch 149/248, train_loss: 0.3516, step time: 0.3591
Batch 150/248, train_loss: 0.5945, step time: 0.3798
Batch 151/248, train_loss: 0.9297, step time: 0.3852
Batch 152/248, train_loss: 0.0845, step time: 0.3488
Batch 153/248, train_loss: 0.8709, step time: 0.3454
Batch 154/248, train_loss: 0.9744, step time: 0.3445
Batch 155/248, train_loss: 0.3929, step time: 0.3578
Batch 156/248, train_loss: 0.3782, step time: 0.3441
Batch 157/248, train_loss: 0.4040, step time: 0.3424
Batch 158/248, train_loss: 0.9993, step time: 0.3820
Batch 159/248, train_loss: 0.9916, step time: 0.3741
Batch 160/248, train_loss: 0.1981, step time: 0.3780
Batch 161/248, train_loss: 0.7949, step time: 0.3564

Batch 151/248, train_loss: 0.2550, step time: 0.3550
Batch 162/248, train_loss: 0.1162, step time: 0.3757
Batch 163/248, train_loss: 0.9199, step time: 0.3799
Batch 164/248, train_loss: 0.4674, step time: 0.3412
Batch 165/248, train_loss: 0.9938, step time: 0.3771
Batch 166/248, train_loss: 0.8032, step time: 0.3593
Batch 167/248, train_loss: 0.5587, step time: 0.3496
Batch 168/248, train_loss: 0.4348, step time: 0.3604
Batch 169/248, train_loss: 0.2112, step time: 0.3556
Batch 170/248, train_loss: 0.9874, step time: 0.3729
Batch 171/248, train_loss: 0.1148, step time: 0.3452
Batch 172/248, train_loss: 0.9998, step time: 0.3655
Batch 173/248, train_loss: 0.1370, step time: 0.3403
Batch 174/248, train_loss: 0.9773, step time: 0.3589
Batch 175/248, train_loss: 0.2195, step time: 0.3701
Batch 176/248, train_loss: 0.6193, step time: 0.3796
Batch 177/248, train_loss: 0.9880, step time: 0.3606
Batch 178/248, train_loss: 0.2806, step time: 0.3429
Batch 179/248, train_loss: 0.1252, step time: 0.3802
Batch 180/248, train_loss: 0.5189, step time: 0.3448
Batch 181/248, train_loss: 0.1663, step time: 0.3458
Batch 182/248, train_loss: 0.9274, step time: 0.3648
Batch 183/248, train_loss: 0.4075, step time: 0.3797
Batch 184/248, train_loss: 0.8611, step time: 0.3736
Batch 185/248, train_loss: 0.3706, step time: 0.3753
Batch 186/248, train_loss: 0.1591, step time: 0.3518
Batch 187/248, train_loss: 0.2956, step time: 0.3468
Batch 188/248, train_loss: 0.4742, step time: 0.3783
Batch 189/248, train_loss: 0.9980, step time: 0.3767
Batch 190/248, train_loss: 0.3136, step time: 0.3475
Batch 191/248, train_loss: 0.9947, step time: 0.3721
Batch 192/248, train_loss: 0.3507, step time: 0.3443
Batch 193/248, train_loss: 0.7815, step time: 0.3772
Batch 194/248, train_loss: 0.5377, step time: 0.3428
Batch 195/248, train_loss: 0.9963, step time: 0.3459
Batch 196/248, train_loss: 0.9999, step time: 0.3503
Batch 197/248, train_loss: 0.7216, step time: 0.3472
Batch 198/248, train_loss: 0.9999, step time: 0.3548
Batch 199/248, train_loss: 0.4407, step time: 0.3524
Batch 200/248, train_loss: 0.3112, step time: 0.3671
Batch 201/248, train_loss: 0.2020, step time: 0.3849
Batch 202/248, train_loss: 0.7381, step time: 0.3759
Batch 203/248, train_loss: 0.9798, step time: 0.3753
Batch 204/248, train_loss: 0.1582, step time: 0.3576
Batch 205/248, train_loss: 0.8370, step time: 0.3560
Batch 206/248, train_loss: 0.9910, step time: 0.3649
Batch 207/248, train_loss: 0.1331, step time: 0.3525
Batch 208/248, train_loss: 0.3657, step time: 0.3448
Batch 209/248, train_loss: 0.2666, step time: 0.3792
Batch 210/248, train_loss: 0.1206, step time: 0.3623
Batch 211/248, train_loss: 0.1314, step time: 0.3641
Batch 212/248, train_loss: 0.6544, step time: 0.3605
Batch 213/248, train_loss: 0.5897, step time: 0.3713
Batch 214/248, train_loss: 0.1904, step time: 0.3658
Batch 215/248, train_loss: 0.7399, step time: 0.3435
Batch 216/248, train_loss: 0.2866, step time: 0.3608
Batch 217/248, train_loss: 0.8797, step time: 0.3710
Batch 218/248, train_loss: 0.9931, step time: 0.3683
Batch 219/248, train_loss: 0.1535, step time: 0.3506
Batch 220/248, train_loss: 0.7290, step time: 0.3620
Batch 221/248, train_loss: 0.7155, step time: 0.3839
Batch 222/248, train_loss: 0.2414, step time: 0.3596
Batch 223/248, train_loss: 0.0836, step time: 0.3528
Batch 224/248, train_loss: 0.1474, step time: 0.3435
Batch 225/248, train_loss: 0.9676, step time: 0.3678
Batch 226/248, train_loss: 0.8407, step time: 0.3721
Batch 227/248, train_loss: 0.2319, step time: 0.3580
Batch 228/248, train_loss: 0.6948, step time: 0.3711
Batch 229/248, train_loss: 0.1618, step time: 0.3556
Batch 230/248, train_loss: 0.2073, step time: 0.3724
Batch 231/248, train_loss: 0.9991, step time: 0.3688
Batch 232/248, train_loss: 0.1601, step time: 0.3552
Batch 233/248, train_loss: 0.9999, step time: 0.3814
Batch 234/248, train_loss: 0.9872, step time: 0.3479
Batch 235/248, train_loss: 0.9698, step time: 0.3456
Batch 236/248, train_loss: 0.9994, step time: 0.3438
Batch 237/248, train_loss: 0.2275, step time: 0.3661
Batch 238/248, train_loss: 0.1748, step time: 0.3582
Batch 239/248, train_loss: 0.1044, step time: 0.3611
Batch 240/248, train_loss: 0.6298, step time: 0.3593
Batch 241/248, train_loss: 0.9999, step time: 0.3823
Batch 242/248, train_loss: 0.8226, step time: 0.3472
Batch 243/248, train_loss: 0.9996, step time: 0.3829
Batch 244/248, train_loss: 0.9992, step time: 0.3402
Batch 245/248, train_loss: 0.1715, step time: 0.3842

```
Batch 246/248, train_loss: 0.9996, step time: 0.3834  
Batch 247/248, train_loss: 0.1524, step time: 0.3672  
Batch 248/248, train_loss: 1.0000, step time: 0.3669
```

Labels



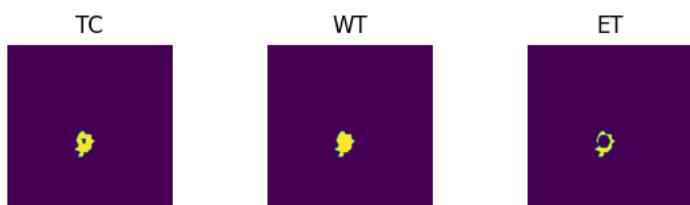
Predictions



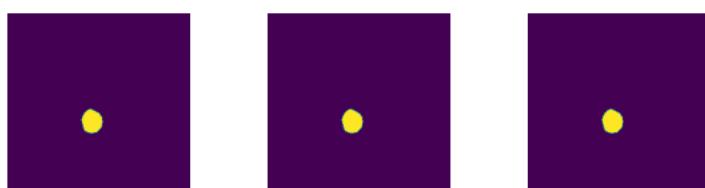
VAL

```
Batch 1/31, val_loss: 0.8741  
Batch 2/31, val_loss: 0.9996  
Batch 3/31, val_loss: 0.9937  
Batch 4/31, val_loss: 0.9915  
Batch 5/31, val_loss: 0.9998  
Batch 6/31, val_loss: 0.7349  
Batch 7/31, val_loss: 0.8532  
Batch 8/31, val_loss: 0.9925  
Batch 9/31, val_loss: 0.7391  
Batch 10/31, val_loss: 0.9732  
Batch 11/31, val_loss: 0.8597  
Batch 12/31, val_loss: 0.9760  
Batch 13/31, val_loss: 0.9902  
Batch 14/31, val_loss: 0.9709  
Batch 15/31, val_loss: 0.9999  
Batch 16/31, val_loss: 0.9833  
Batch 17/31, val_loss: 0.9968  
Batch 18/31, val_loss: 0.9807  
Batch 19/31, val_loss: 0.8003  
Batch 20/31, val_loss: 0.8747  
Batch 21/31, val_loss: 0.9205  
Batch 22/31, val_loss: 0.9995  
Batch 23/31, val_loss: 0.9917  
Batch 24/31, val_loss: 0.6977  
Batch 25/31, val_loss: 0.8170  
Batch 26/31, val_loss: 0.9439  
Batch 27/31, val_loss: 0.9943  
Batch 28/31, val_loss: 0.7795  
Batch 29/31, val_loss: 0.9985  
Batch 30/31, val_loss: 0.9918  
Batch 31/31, val_loss: 0.9931
```

Labels



Predictions



epoch 72

```
average train loss: 0.5646  
average validation loss: 0.9262  
saved as best model: False
```

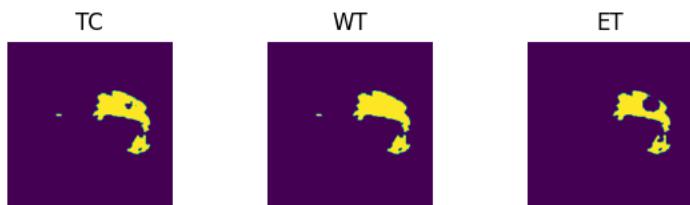
```
current mean dice: 0.3211
current TC dice: 0.3371
current WT dice: 0.3435
current ET dice: 0.3129
Best Mean Metric: 0.3216
time consuming of epoch 72 is: 1403.2395
-----
epoch 73/100
TRAIN
Batch 1/248, train_loss: 0.1218, step time: 0.3792
Batch 2/248, train_loss: 1.0000, step time: 0.3394
Batch 3/248, train_loss: 0.9140, step time: 0.3740
Batch 4/248, train_loss: 1.0000, step time: 0.3465
Batch 5/248, train_loss: 0.6834, step time: 0.3730
Batch 6/248, train_loss: 0.6890, step time: 0.3792
Batch 7/248, train_loss: 0.1133, step time: 0.3809
Batch 8/248, train_loss: 0.7558, step time: 0.3584
Batch 9/248, train_loss: 0.0701, step time: 0.3410
Batch 10/248, train_loss: 0.8126, step time: 0.3516
Batch 11/248, train_loss: 0.5770, step time: 0.3393
Batch 12/248, train_loss: 0.9977, step time: 0.3679
Batch 13/248, train_loss: 0.9256, step time: 0.3474
Batch 14/248, train_loss: 0.0782, step time: 0.3725
Batch 15/248, train_loss: 0.8062, step time: 0.3470
Batch 16/248, train_loss: 0.5156, step time: 0.3474
Batch 17/248, train_loss: 0.9807, step time: 0.3621
Batch 18/248, train_loss: 0.9526, step time: 0.3580
Batch 19/248, train_loss: 0.1502, step time: 0.3469
Batch 20/248, train_loss: 0.5842, step time: 0.3563
Batch 21/248, train_loss: 0.1367, step time: 0.3433
Batch 22/248, train_loss: 0.9999, step time: 0.3575
Batch 23/248, train_loss: 0.9998, step time: 0.3413
Batch 24/248, train_loss: 0.1932, step time: 0.3618
Batch 25/248, train_loss: 0.1209, step time: 0.3490
Batch 26/248, train_loss: 0.9601, step time: 0.3447
Batch 27/248, train_loss: 0.1091, step time: 0.3633
Batch 28/248, train_loss: 0.4867, step time: 0.3510
Batch 29/248, train_loss: 0.9781, step time: 0.3560
Batch 30/248, train_loss: 0.8664, step time: 0.3502
Batch 31/248, train_loss: 0.8139, step time: 0.3427
Batch 32/248, train_loss: 0.1707, step time: 0.3675
Batch 33/248, train_loss: 0.1133, step time: 0.3801
Batch 34/248, train_loss: 0.0748, step time: 0.3677
Batch 35/248, train_loss: 0.1213, step time: 0.3601
Batch 36/248, train_loss: 0.9995, step time: 0.3766
Batch 37/248, train_loss: 0.3071, step time: 0.3728
Batch 38/248, train_loss: 0.7405, step time: 0.3723
Batch 39/248, train_loss: 0.3705, step time: 0.3698
Batch 40/248, train_loss: 1.0000, step time: 0.3852
Batch 41/248, train_loss: 0.2498, step time: 0.3444
Batch 42/248, train_loss: 0.1057, step time: 0.3670
Batch 43/248, train_loss: 0.1053, step time: 0.3541
Batch 44/248, train_loss: 0.5470, step time: 0.3773
Batch 45/248, train_loss: 0.7962, step time: 0.3400
Batch 46/248, train_loss: 0.3223, step time: 0.3760
Batch 47/248, train_loss: 0.4351, step time: 0.3732
Batch 48/248, train_loss: 0.3695, step time: 0.3461
Batch 49/248, train_loss: 0.9445, step time: 0.3752
Batch 50/248, train_loss: 0.5799, step time: 0.3778
Batch 51/248, train_loss: 0.5142, step time: 0.3558
Batch 52/248, train_loss: 0.3268, step time: 0.3444
Batch 53/248, train_loss: 0.8322, step time: 0.3423
Batch 54/248, train_loss: 0.5407, step time: 0.3624
Batch 55/248, train_loss: 0.8259, step time: 0.3437
Batch 56/248, train_loss: 0.6508, step time: 0.3786
Batch 57/248, train_loss: 0.5817, step time: 0.3469
Batch 58/248, train_loss: 0.1466, step time: 0.3421
Batch 59/248, train_loss: 0.1994, step time: 0.3835
Batch 60/248, train_loss: 0.1200, step time: 0.3455
Batch 61/248, train_loss: 0.2401, step time: 0.3496
Batch 62/248, train_loss: 0.8242, step time: 0.3725
Batch 63/248, train_loss: 0.9647, step time: 0.3393
Batch 64/248, train_loss: 0.9462, step time: 0.3771
Batch 65/248, train_loss: 0.7104, step time: 0.3809
Batch 66/248, train_loss: 0.5302, step time: 0.3475
Batch 67/248, train_loss: 0.1389, step time: 0.3417
Batch 68/248, train_loss: 0.1628, step time: 0.3523
Batch 69/248, train_loss: 0.9981, step time: 0.3824
Batch 70/248, train_loss: 0.2339, step time: 0.3627
Batch 71/248, train_loss: 0.2633, step time: 0.3481
Batch 72/248, train_loss: 0.1086, step time: 0.3772
Batch 73/248, train_loss: 0.2316, step time: 0.3507
Batch 74/248, train_loss: 0.9989, step time: 0.3509
Batch 75/248, train_loss: 0.2205, step time: 0.3410
Batch 76/248, train_loss: 0.9772, step time: 0.3766
```

Batch 76/248, train_loss: 0.7712, step time: 0.3700
Batch 77/248, train_loss: 0.9957, step time: 0.3400
Batch 78/248, train_loss: 0.2966, step time: 0.3477
Batch 79/248, train_loss: 0.4640, step time: 0.3523
Batch 80/248, train_loss: 0.6598, step time: 0.3511
Batch 81/248, train_loss: 0.7671, step time: 0.3639
Batch 82/248, train_loss: 0.1714, step time: 0.3434
Batch 83/248, train_loss: 0.9739, step time: 0.3775
Batch 84/248, train_loss: 0.5762, step time: 0.3516
Batch 85/248, train_loss: 0.9818, step time: 0.3433
Batch 86/248, train_loss: 0.3074, step time: 0.3831
Batch 87/248, train_loss: 0.9770, step time: 0.3842
Batch 88/248, train_loss: 0.9462, step time: 0.3801
Batch 89/248, train_loss: 0.1129, step time: 0.3700
Batch 90/248, train_loss: 0.5840, step time: 0.3735
Batch 91/248, train_loss: 0.9712, step time: 0.3459
Batch 92/248, train_loss: 0.5734, step time: 0.3602
Batch 93/248, train_loss: 0.2453, step time: 0.3781
Batch 94/248, train_loss: 0.9654, step time: 0.3398
Batch 95/248, train_loss: 0.2798, step time: 0.3573
Batch 96/248, train_loss: 0.2965, step time: 0.3545
Batch 97/248, train_loss: 0.9997, step time: 0.3692
Batch 98/248, train_loss: 0.1780, step time: 0.3549
Batch 99/248, train_loss: 0.9272, step time: 0.3425
Batch 100/248, train_loss: 0.9983, step time: 0.3866
Batch 101/248, train_loss: 0.0741, step time: 0.3494
Batch 102/248, train_loss: 0.3361, step time: 0.3454
Batch 103/248, train_loss: 0.9664, step time: 0.3840
Batch 104/248, train_loss: 0.3873, step time: 0.3742
Batch 105/248, train_loss: 0.1338, step time: 0.3741
Batch 106/248, train_loss: 0.6196, step time: 0.3441
Batch 107/248, train_loss: 0.9136, step time: 0.3744
Batch 108/248, train_loss: 0.9524, step time: 0.3431
Batch 109/248, train_loss: 0.9932, step time: 0.3745
Batch 110/248, train_loss: 0.7744, step time: 0.3502
Batch 111/248, train_loss: 0.1590, step time: 0.3639
Batch 112/248, train_loss: 0.1963, step time: 0.3787
Batch 113/248, train_loss: 0.9996, step time: 0.3397
Batch 114/248, train_loss: 0.2201, step time: 0.3380
Batch 115/248, train_loss: 0.4011, step time: 0.3702
Batch 116/248, train_loss: 0.1113, step time: 0.3431
Batch 117/248, train_loss: 0.9882, step time: 0.3474
Batch 118/248, train_loss: 0.9228, step time: 0.3672
Batch 119/248, train_loss: 0.5077, step time: 0.3429
Batch 120/248, train_loss: 0.5680, step time: 0.3626
Batch 121/248, train_loss: 0.8532, step time: 0.3432
Batch 122/248, train_loss: 0.9024, step time: 0.3845
Batch 123/248, train_loss: 0.1468, step time: 0.3694
Batch 124/248, train_loss: 0.9028, step time: 0.3450
Batch 125/248, train_loss: 0.9764, step time: 0.3855
Batch 126/248, train_loss: 0.3872, step time: 0.3683
Batch 127/248, train_loss: 0.3943, step time: 0.3851
Batch 128/248, train_loss: 0.7693, step time: 0.3448
Batch 129/248, train_loss: 0.1509, step time: 0.3770
Batch 130/248, train_loss: 0.1929, step time: 0.3573
Batch 131/248, train_loss: 0.9250, step time: 0.3784
Batch 132/248, train_loss: 0.9088, step time: 0.3817
Batch 133/248, train_loss: 0.2156, step time: 0.3618
Batch 134/248, train_loss: 0.9999, step time: 0.3716
Batch 135/248, train_loss: 0.9490, step time: 0.3845
Batch 136/248, train_loss: 0.6382, step time: 0.3440
Batch 137/248, train_loss: 0.2018, step time: 0.3715
Batch 138/248, train_loss: 0.1184, step time: 0.3802
Batch 139/248, train_loss: 0.2245, step time: 0.3597
Batch 140/248, train_loss: 0.6045, step time: 0.3526
Batch 141/248, train_loss: 0.2670, step time: 0.3669
Batch 142/248, train_loss: 0.9912, step time: 0.3707
Batch 143/248, train_loss: 0.6922, step time: 0.3685
Batch 144/248, train_loss: 0.2024, step time: 0.3569
Batch 145/248, train_loss: 0.1126, step time: 0.3512
Batch 146/248, train_loss: 0.9989, step time: 0.3376
Batch 147/248, train_loss: 0.0853, step time: 0.3421
Batch 148/248, train_loss: 0.9525, step time: 0.3833
Batch 149/248, train_loss: 0.3603, step time: 0.3503
Batch 150/248, train_loss: 0.5975, step time: 0.3782
Batch 151/248, train_loss: 0.9230, step time: 0.3707
Batch 152/248, train_loss: 0.0866, step time: 0.3790
Batch 153/248, train_loss: 0.8995, step time: 0.3628
Batch 154/248, train_loss: 0.9720, step time: 0.3673
Batch 155/248, train_loss: 0.3554, step time: 0.3848
Batch 156/248, train_loss: 0.4266, step time: 0.3409
Batch 157/248, train_loss: 0.4073, step time: 0.3822
Batch 158/248, train_loss: 0.9994, step time: 0.3866
Batch 159/248, train_loss: 0.9898, step time: 0.3614
Batch 160/248, train_loss: 0.1697, step time: 0.3700

Batch 161/248, train_loss: 0.2819, step time: 0.3786
Batch 162/248, train_loss: 0.1314, step time: 0.3756
Batch 163/248, train_loss: 0.9177, step time: 0.3527
Batch 164/248, train_loss: 0.4589, step time: 0.3771
Batch 165/248, train_loss: 0.9895, step time: 0.3585
Batch 166/248, train_loss: 0.7930, step time: 0.3780
Batch 167/248, train_loss: 0.5129, step time: 0.3833
Batch 168/248, train_loss: 0.4323, step time: 0.3612
Batch 169/248, train_loss: 0.1942, step time: 0.3768
Batch 170/248, train_loss: 0.9678, step time: 0.3418
Batch 171/248, train_loss: 0.1181, step time: 0.3451
Batch 172/248, train_loss: 0.9990, step time: 0.3744
Batch 173/248, train_loss: 0.1326, step time: 0.3465
Batch 174/248, train_loss: 0.9898, step time: 0.3844
Batch 175/248, train_loss: 0.2438, step time: 0.3820
Batch 176/248, train_loss: 0.6170, step time: 0.3401
Batch 177/248, train_loss: 0.9899, step time: 0.3441
Batch 178/248, train_loss: 0.3022, step time: 0.3508
Batch 179/248, train_loss: 0.1253, step time: 0.3507
Batch 180/248, train_loss: 0.5265, step time: 0.3696
Batch 181/248, train_loss: 0.1765, step time: 0.3815
Batch 182/248, train_loss: 0.9409, step time: 0.3717
Batch 183/248, train_loss: 0.3247, step time: 0.3820
Batch 184/248, train_loss: 0.8583, step time: 0.3399
Batch 185/248, train_loss: 0.3669, step time: 0.3603
Batch 186/248, train_loss: 0.1656, step time: 0.3675
Batch 187/248, train_loss: 0.2736, step time: 0.3438
Batch 188/248, train_loss: 0.4631, step time: 0.3508
Batch 189/248, train_loss: 0.9993, step time: 0.3624
Batch 190/248, train_loss: 0.3295, step time: 0.3598
Batch 191/248, train_loss: 0.9989, step time: 0.3816
Batch 192/248, train_loss: 0.3518, step time: 0.3780
Batch 193/248, train_loss: 0.7143, step time: 0.3424
Batch 194/248, train_loss: 0.5192, step time: 0.3786
Batch 195/248, train_loss: 0.9999, step time: 0.3723
Batch 196/248, train_loss: 0.9998, step time: 0.3663
Batch 197/248, train_loss: 0.7240, step time: 0.3494
Batch 198/248, train_loss: 0.9999, step time: 0.3391
Batch 199/248, train_loss: 0.4370, step time: 0.3733
Batch 200/248, train_loss: 0.3343, step time: 0.3605
Batch 201/248, train_loss: 0.1990, step time: 0.3463
Batch 202/248, train_loss: 0.7026, step time: 0.3427
Batch 203/248, train_loss: 0.9730, step time: 0.3522
Batch 204/248, train_loss: 0.1661, step time: 0.3371
Batch 205/248, train_loss: 0.8412, step time: 0.3403
Batch 206/248, train_loss: 0.9881, step time: 0.3721
Batch 207/248, train_loss: 0.1583, step time: 0.3515
Batch 208/248, train_loss: 0.3467, step time: 0.3782
Batch 209/248, train_loss: 0.2762, step time: 0.3398
Batch 210/248, train_loss: 0.1153, step time: 0.3775
Batch 211/248, train_loss: 0.1278, step time: 0.3694
Batch 212/248, train_loss: 0.6341, step time: 0.3385
Batch 213/248, train_loss: 0.5795, step time: 0.3430
Batch 214/248, train_loss: 0.2272, step time: 0.3555
Batch 215/248, train_loss: 0.7085, step time: 0.3657
Batch 216/248, train_loss: 0.2812, step time: 0.3469
Batch 217/248, train_loss: 0.8539, step time: 0.3430
Batch 218/248, train_loss: 0.9940, step time: 0.3823
Batch 219/248, train_loss: 0.1327, step time: 0.3790
Batch 220/248, train_loss: 0.7150, step time: 0.3874
Batch 221/248, train_loss: 0.7109, step time: 0.3425
Batch 222/248, train_loss: 0.2675, step time: 0.3779
Batch 223/248, train_loss: 0.0852, step time: 0.3447
Batch 224/248, train_loss: 0.1356, step time: 0.3726
Batch 225/248, train_loss: 0.9726, step time: 0.3448
Batch 226/248, train_loss: 0.8689, step time: 0.3898
Batch 227/248, train_loss: 0.2350, step time: 0.3750
Batch 228/248, train_loss: 0.7226, step time: 0.3575
Batch 229/248, train_loss: 0.1660, step time: 0.3574
Batch 230/248, train_loss: 0.1737, step time: 0.3636
Batch 231/248, train_loss: 0.9993, step time: 0.3657
Batch 232/248, train_loss: 0.1568, step time: 0.3426
Batch 233/248, train_loss: 0.9998, step time: 0.3767
Batch 234/248, train_loss: 0.9688, step time: 0.3823
Batch 235/248, train_loss: 0.9698, step time: 0.3438
Batch 236/248, train_loss: 0.9994, step time: 0.3504
Batch 237/248, train_loss: 0.2245, step time: 0.3484
Batch 238/248, train_loss: 0.1740, step time: 0.3754
Batch 239/248, train_loss: 0.0936, step time: 0.3428
Batch 240/248, train_loss: 0.6296, step time: 0.3536
Batch 241/248, train_loss: 0.9998, step time: 0.3820
Batch 242/248, train_loss: 0.8124, step time: 0.3849
Batch 243/248, train_loss: 0.9900, step time: 0.3809
Batch 244/248, train_loss: 0.9421, step time: 0.3455
Batch 245/248, train_loss: 0.1740, step time: 0.3670

```
Batch 246/248, train_loss: 0.9860, step time: 0.3878  
Batch 247/248, train_loss: 0.1212, step time: 0.3415  
Batch 248/248, train_loss: 1.0000, step time: 0.3810
```

Labels



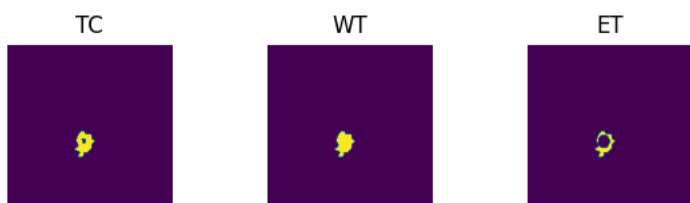
Predictions



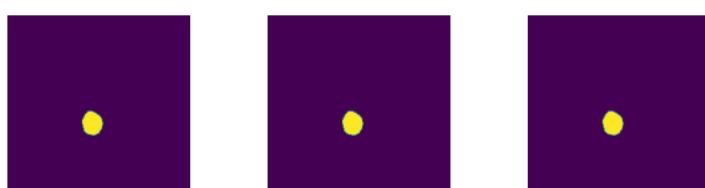
VAL

```
Batch 1/31, val_loss: 0.8749  
Batch 2/31, val_loss: 0.9976  
Batch 3/31, val_loss: 0.9911  
Batch 4/31, val_loss: 0.9907  
Batch 5/31, val_loss: 0.9998  
Batch 6/31, val_loss: 0.7310  
Batch 7/31, val_loss: 0.8517  
Batch 8/31, val_loss: 0.9612  
Batch 9/31, val_loss: 0.7221  
Batch 10/31, val_loss: 0.9632  
Batch 11/31, val_loss: 0.8432  
Batch 12/31, val_loss: 0.9739  
Batch 13/31, val_loss: 0.9873  
Batch 14/31, val_loss: 0.9694  
Batch 15/31, val_loss: 0.9992  
Batch 16/31, val_loss: 0.9900  
Batch 17/31, val_loss: 0.9971  
Batch 18/31, val_loss: 0.9782  
Batch 19/31, val_loss: 0.7809  
Batch 20/31, val_loss: 0.8735  
Batch 21/31, val_loss: 0.9157  
Batch 22/31, val_loss: 0.9984  
Batch 23/31, val_loss: 0.9857  
Batch 24/31, val_loss: 0.7060  
Batch 25/31, val_loss: 0.8164  
Batch 26/31, val_loss: 0.9424  
Batch 27/31, val_loss: 0.9892  
Batch 28/31, val_loss: 0.7831  
Batch 29/31, val_loss: 0.9952  
Batch 30/31, val_loss: 0.9967  
Batch 31/31, val_loss: 0.9920
```

Labels



Predictions



epoch 73

```
average train loss: 0.5635  
average validation loss: 0.9225
```

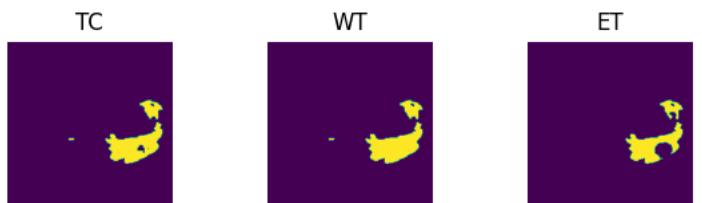
```
saved as best model: true
current mean dice: 0.3232
current TC dice: 0.3393
current WT dice: 0.3460
current ET dice: 0.3143
Best Mean Metric: 0.3232
time consuming of epoch 73 is: 1374.8788
-----
epoch 74/100
TRAIN
Batch 1/248, train_loss: 0.1171, step time: 0.3458
Batch 2/248, train_loss: 0.9991, step time: 0.3815
Batch 3/248, train_loss: 0.9150, step time: 0.3456
Batch 4/248, train_loss: 0.9996, step time: 0.3817
Batch 5/248, train_loss: 0.6548, step time: 0.3882
Batch 6/248, train_loss: 0.6450, step time: 0.3904
Batch 7/248, train_loss: 0.1169, step time: 0.3440
Batch 8/248, train_loss: 0.7399, step time: 0.3787
Batch 9/248, train_loss: 0.0732, step time: 0.3842
Batch 10/248, train_loss: 0.8159, step time: 0.3836
Batch 11/248, train_loss: 0.5741, step time: 0.3707
Batch 12/248, train_loss: 0.9939, step time: 0.3836
Batch 13/248, train_loss: 0.9127, step time: 0.3558
Batch 14/248, train_loss: 0.0816, step time: 0.3494
Batch 15/248, train_loss: 0.8123, step time: 0.3807
Batch 16/248, train_loss: 0.4991, step time: 0.3899
Batch 17/248, train_loss: 0.9764, step time: 0.3583
Batch 18/248, train_loss: 0.9574, step time: 0.3472
Batch 19/248, train_loss: 0.1520, step time: 0.3492
Batch 20/248, train_loss: 0.5519, step time: 0.3454
Batch 21/248, train_loss: 0.1009, step time: 0.3734
Batch 22/248, train_loss: 0.9998, step time: 0.3455
Batch 23/248, train_loss: 0.9999, step time: 0.3897
Batch 24/248, train_loss: 0.1995, step time: 0.3894
Batch 25/248, train_loss: 0.1326, step time: 0.3420
Batch 26/248, train_loss: 0.9565, step time: 0.3791
Batch 27/248, train_loss: 0.0974, step time: 0.3440
Batch 28/248, train_loss: 0.4732, step time: 0.3591
Batch 29/248, train_loss: 0.9804, step time: 0.3856
Batch 30/248, train_loss: 0.9112, step time: 0.3456
Batch 31/248, train_loss: 0.8052, step time: 0.3898
Batch 32/248, train_loss: 0.1561, step time: 0.3718
Batch 33/248, train_loss: 0.1078, step time: 0.3579
Batch 34/248, train_loss: 0.0792, step time: 0.3783
Batch 35/248, train_loss: 0.1440, step time: 0.3616
Batch 36/248, train_loss: 0.9979, step time: 0.3448
Batch 37/248, train_loss: 0.2759, step time: 0.3656
Batch 38/248, train_loss: 0.7380, step time: 0.3781
Batch 39/248, train_loss: 0.7848, step time: 0.3685
Batch 40/248, train_loss: 1.0000, step time: 0.3877
Batch 41/248, train_loss: 0.2463, step time: 0.3619
Batch 42/248, train_loss: 0.0966, step time: 0.3738
Batch 43/248, train_loss: 0.1079, step time: 0.3871
Batch 44/248, train_loss: 0.3336, step time: 0.3719
Batch 45/248, train_loss: 0.7576, step time: 0.3850
Batch 46/248, train_loss: 0.3437, step time: 0.3521
Batch 47/248, train_loss: 0.4127, step time: 0.3807
Batch 48/248, train_loss: 0.4037, step time: 0.3808
Batch 49/248, train_loss: 0.9384, step time: 0.3863
Batch 50/248, train_loss: 0.5315, step time: 0.3663
Batch 51/248, train_loss: 0.5060, step time: 0.3815
Batch 52/248, train_loss: 0.3257, step time: 0.3708
Batch 53/248, train_loss: 0.8240, step time: 0.3592
Batch 54/248, train_loss: 0.5199, step time: 0.3546
Batch 55/248, train_loss: 0.7928, step time: 0.3796
Batch 56/248, train_loss: 0.5460, step time: 0.3765
Batch 57/248, train_loss: 0.5818, step time: 0.3860
Batch 58/248, train_loss: 0.1350, step time: 0.3613
Batch 59/248, train_loss: 0.1786, step time: 0.3591
Batch 60/248, train_loss: 0.1366, step time: 0.3470
Batch 61/248, train_loss: 0.2120, step time: 0.3575
Batch 62/248, train_loss: 0.8575, step time: 0.3444
Batch 63/248, train_loss: 0.9694, step time: 0.3844
Batch 64/248, train_loss: 0.9552, step time: 0.3571
Batch 65/248, train_loss: 0.6147, step time: 0.3876
Batch 66/248, train_loss: 0.5164, step time: 0.3491
Batch 67/248, train_loss: 0.1485, step time: 0.3602
Batch 68/248, train_loss: 0.1737, step time: 0.3752
Batch 69/248, train_loss: 0.9997, step time: 0.3658
Batch 70/248, train_loss: 0.2147, step time: 0.3630
Batch 71/248, train_loss: 0.2115, step time: 0.3708
Batch 72/248, train_loss: 0.1120, step time: 0.3691
Batch 73/248, train_loss: 0.2017, step time: 0.3891
Batch 74/248, train_loss: 0.9983, step time: 0.3555
Batch 75/248, train_loss: 0.2220, step time: 0.3859
```

Batch 76/248, train_loss: 0.9730, step time: 0.3747
Batch 77/248, train_loss: 0.9985, step time: 0.3704
Batch 78/248, train_loss: 0.2814, step time: 0.3484
Batch 79/248, train_loss: 0.4477, step time: 0.3614
Batch 80/248, train_loss: 0.7158, step time: 0.3892
Batch 81/248, train_loss: 0.7538, step time: 0.3470
Batch 82/248, train_loss: 0.1681, step time: 0.3843
Batch 83/248, train_loss: 0.9766, step time: 0.3609
Batch 84/248, train_loss: 0.5431, step time: 0.3781
Batch 85/248, train_loss: 0.9880, step time: 0.3444
Batch 86/248, train_loss: 0.2994, step time: 0.3453
Batch 87/248, train_loss: 0.9768, step time: 0.3447
Batch 88/248, train_loss: 0.9083, step time: 0.3583
Batch 89/248, train_loss: 0.1101, step time: 0.3709
Batch 90/248, train_loss: 0.5886, step time: 0.3624
Batch 91/248, train_loss: 0.9722, step time: 0.3892
Batch 92/248, train_loss: 0.5412, step time: 0.3917
Batch 93/248, train_loss: 0.2200, step time: 0.3628
Batch 94/248, train_loss: 0.9624, step time: 0.3454
Batch 95/248, train_loss: 0.2850, step time: 0.3816
Batch 96/248, train_loss: 0.2982, step time: 0.3780
Batch 97/248, train_loss: 0.9987, step time: 0.3641
Batch 98/248, train_loss: 0.2153, step time: 0.3898
Batch 99/248, train_loss: 0.9012, step time: 0.3660
Batch 100/248, train_loss: 0.9873, step time: 0.3572
Batch 101/248, train_loss: 0.0741, step time: 0.3766
Batch 102/248, train_loss: 0.3420, step time: 0.3657
Batch 103/248, train_loss: 0.9675, step time: 0.3870
Batch 104/248, train_loss: 0.3967, step time: 0.3682
Batch 105/248, train_loss: 0.1378, step time: 0.3471
Batch 106/248, train_loss: 0.5814, step time: 0.3810
Batch 107/248, train_loss: 0.9025, step time: 0.3726
Batch 108/248, train_loss: 0.9444, step time: 0.3643
Batch 109/248, train_loss: 0.9947, step time: 0.3448
Batch 110/248, train_loss: 0.6706, step time: 0.3690
Batch 111/248, train_loss: 0.1501, step time: 0.3853
Batch 112/248, train_loss: 0.2071, step time: 0.3839
Batch 113/248, train_loss: 0.9998, step time: 0.3637
Batch 114/248, train_loss: 0.2152, step time: 0.3831
Batch 115/248, train_loss: 0.4048, step time: 0.3624
Batch 116/248, train_loss: 0.1161, step time: 0.3699
Batch 117/248, train_loss: 0.9885, step time: 0.3545
Batch 118/248, train_loss: 0.8999, step time: 0.3888
Batch 119/248, train_loss: 0.4723, step time: 0.3858
Batch 120/248, train_loss: 0.5175, step time: 0.3649
Batch 121/248, train_loss: 0.8068, step time: 0.3562
Batch 122/248, train_loss: 0.8951, step time: 0.3709
Batch 123/248, train_loss: 0.1441, step time: 0.3819
Batch 124/248, train_loss: 0.9017, step time: 0.3838
Batch 125/248, train_loss: 0.9802, step time: 0.3517
Batch 126/248, train_loss: 0.4956, step time: 0.3466
Batch 127/248, train_loss: 0.3701, step time: 0.3842
Batch 128/248, train_loss: 0.7391, step time: 0.3571
Batch 129/248, train_loss: 0.1426, step time: 0.3452
Batch 130/248, train_loss: 0.1631, step time: 0.3681
Batch 131/248, train_loss: 0.9028, step time: 0.3440
Batch 132/248, train_loss: 0.8852, step time: 0.3931
Batch 133/248, train_loss: 0.1889, step time: 0.3460
Batch 134/248, train_loss: 0.9999, step time: 0.3854
Batch 135/248, train_loss: 0.9309, step time: 0.3510
Batch 136/248, train_loss: 0.6442, step time: 0.3717
Batch 137/248, train_loss: 0.1643, step time: 0.3729
Batch 138/248, train_loss: 0.1322, step time: 0.3835
Batch 139/248, train_loss: 0.2669, step time: 0.3812
Batch 140/248, train_loss: 0.5778, step time: 0.3865
Batch 141/248, train_loss: 0.2831, step time: 0.3473
Batch 142/248, train_loss: 0.9921, step time: 0.3521
Batch 143/248, train_loss: 0.6756, step time: 0.3863
Batch 144/248, train_loss: 0.1823, step time: 0.3461
Batch 145/248, train_loss: 0.0909, step time: 0.3532
Batch 146/248, train_loss: 0.9946, step time: 0.3805
Batch 147/248, train_loss: 0.0754, step time: 0.3441
Batch 148/248, train_loss: 0.9569, step time: 0.3525
Batch 149/248, train_loss: 0.3350, step time: 0.3888
Batch 150/248, train_loss: 0.6043, step time: 0.3465
Batch 151/248, train_loss: 0.9292, step time: 0.3456
Batch 152/248, train_loss: 0.0789, step time: 0.3684
Batch 153/248, train_loss: 0.8563, step time: 0.3549
Batch 154/248, train_loss: 0.9680, step time: 0.3869
Batch 155/248, train_loss: 0.3525, step time: 0.3462
Batch 156/248, train_loss: 0.3716, step time: 0.3844
Batch 157/248, train_loss: 0.4033, step time: 0.3552
Batch 158/248, train_loss: 0.9994, step time: 0.3737
Batch 159/248, train_loss: 0.9864, step time: 0.3578
Batch 160/248, train_loss: 0.1561, step time: 0.3749

Batch 161/248, train_loss: 0.2564, step time: 0.3814
Batch 162/248, train_loss: 0.1174, step time: 0.3481
Batch 163/248, train_loss: 0.9186, step time: 0.3778
Batch 164/248, train_loss: 0.4520, step time: 0.3743
Batch 165/248, train_loss: 0.9905, step time: 0.3712
Batch 166/248, train_loss: 0.7815, step time: 0.3689
Batch 167/248, train_loss: 0.5001, step time: 0.3664
Batch 168/248, train_loss: 0.4082, step time: 0.3461
Batch 169/248, train_loss: 0.2006, step time: 0.3890
Batch 170/248, train_loss: 0.9737, step time: 0.3418
Batch 171/248, train_loss: 0.1153, step time: 0.3450
Batch 172/248, train_loss: 0.9987, step time: 0.3665
Batch 173/248, train_loss: 0.1161, step time: 0.3439
Batch 174/248, train_loss: 0.9999, step time: 0.3510
Batch 175/248, train_loss: 0.2036, step time: 0.3855
Batch 176/248, train_loss: 0.6054, step time: 0.3477
Batch 177/248, train_loss: 0.9885, step time: 0.3760
Batch 178/248, train_loss: 0.2844, step time: 0.3843
Batch 179/248, train_loss: 0.1242, step time: 0.3694
Batch 180/248, train_loss: 0.4751, step time: 0.3446
Batch 181/248, train_loss: 0.1611, step time: 0.3747
Batch 182/248, train_loss: 0.9302, step time: 0.3738
Batch 183/248, train_loss: 0.3102, step time: 0.3504
Batch 184/248, train_loss: 0.8489, step time: 0.3722
Batch 185/248, train_loss: 0.3406, step time: 0.3747
Batch 186/248, train_loss: 0.1634, step time: 0.3730
Batch 187/248, train_loss: 0.2756, step time: 0.3502
Batch 188/248, train_loss: 0.4448, step time: 0.3545
Batch 189/248, train_loss: 0.9984, step time: 0.3450
Batch 190/248, train_loss: 0.3078, step time: 0.3507
Batch 191/248, train_loss: 0.9916, step time: 0.3592
Batch 192/248, train_loss: 0.3054, step time: 0.3628
Batch 193/248, train_loss: 0.7176, step time: 0.3842
Batch 194/248, train_loss: 0.5077, step time: 0.3880
Batch 195/248, train_loss: 0.9927, step time: 0.3714
Batch 196/248, train_loss: 0.9999, step time: 0.3672
Batch 197/248, train_loss: 0.7175, step time: 0.3463
Batch 198/248, train_loss: 0.9999, step time: 0.3567
Batch 199/248, train_loss: 0.4436, step time: 0.3553
Batch 200/248, train_loss: 0.3060, step time: 0.3911
Batch 201/248, train_loss: 0.1938, step time: 0.3828
Batch 202/248, train_loss: 0.7222, step time: 0.3540
Batch 203/248, train_loss: 0.9863, step time: 0.3619
Batch 204/248, train_loss: 0.1439, step time: 0.3550
Batch 205/248, train_loss: 0.8202, step time: 0.3625
Batch 206/248, train_loss: 0.9962, step time: 0.3553
Batch 207/248, train_loss: 0.1729, step time: 0.3858
Batch 208/248, train_loss: 0.3707, step time: 0.3489
Batch 209/248, train_loss: 0.2728, step time: 0.3742
Batch 210/248, train_loss: 0.1378, step time: 0.3911
Batch 211/248, train_loss: 0.1268, step time: 0.3457
Batch 212/248, train_loss: 0.6068, step time: 0.3597
Batch 213/248, train_loss: 0.5658, step time: 0.3840
Batch 214/248, train_loss: 0.1946, step time: 0.3445
Batch 215/248, train_loss: 0.6976, step time: 0.3504
Batch 216/248, train_loss: 0.2521, step time: 0.3465
Batch 217/248, train_loss: 0.8836, step time: 0.3666
Batch 218/248, train_loss: 0.9994, step time: 0.3537
Batch 219/248, train_loss: 0.1567, step time: 0.3592
Batch 220/248, train_loss: 0.7112, step time: 0.3442
Batch 221/248, train_loss: 0.7037, step time: 0.3445
Batch 222/248, train_loss: 0.2361, step time: 0.3543
Batch 223/248, train_loss: 0.0852, step time: 0.3472
Batch 224/248, train_loss: 0.1457, step time: 0.3438
Batch 225/248, train_loss: 0.9727, step time: 0.3592
Batch 226/248, train_loss: 0.8329, step time: 0.3755
Batch 227/248, train_loss: 0.2336, step time: 0.3537
Batch 228/248, train_loss: 0.7004, step time: 0.3596
Batch 229/248, train_loss: 0.1623, step time: 0.3734
Batch 230/248, train_loss: 0.1604, step time: 0.3465
Batch 231/248, train_loss: 0.9994, step time: 0.3432
Batch 232/248, train_loss: 0.1620, step time: 0.3816
Batch 233/248, train_loss: 0.9999, step time: 0.3763
Batch 234/248, train_loss: 0.9753, step time: 0.3580
Batch 235/248, train_loss: 0.9542, step time: 0.3754
Batch 236/248, train_loss: 0.9987, step time: 0.3444
Batch 237/248, train_loss: 0.2269, step time: 0.3757
Batch 238/248, train_loss: 0.1530, step time: 0.3846
Batch 239/248, train_loss: 0.1185, step time: 0.3810
Batch 240/248, train_loss: 0.6259, step time: 0.3586
Batch 241/248, train_loss: 0.9999, step time: 0.3479
Batch 242/248, train_loss: 0.7947, step time: 0.3727
Batch 243/248, train_loss: 0.9978, step time: 0.3812
Batch 244/248, train_loss: 0.9562, step time: 0.3531
Batch 245/248, train_loss: 0.1642, step time: 0.3481

```
Batch 245/248, train_loss: 0.1012, step time: 0.3562  
Batch 246/248, train_loss: 0.9946, step time: 0.3570  
Batch 247/248, train_loss: 0.1192, step time: 0.3541  
Batch 248/248, train_loss: 1.0000, step time: 0.3802
```

Labels



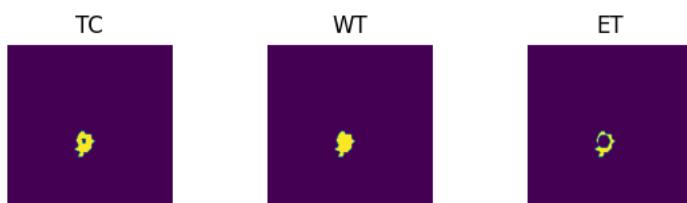
Predictions



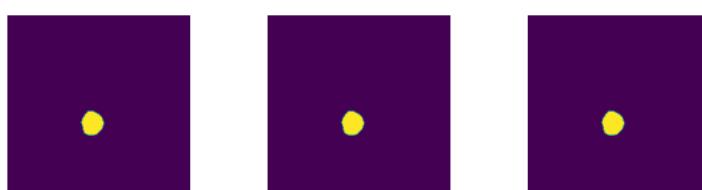
VAL

```
Batch 1/31, val_loss: 0.8771  
Batch 2/31, val_loss: 0.9973  
Batch 3/31, val_loss: 0.9923  
Batch 4/31, val_loss: 0.9912  
Batch 5/31, val_loss: 0.9998  
Batch 6/31, val_loss: 0.6839  
Batch 7/31, val_loss: 0.8598  
Batch 8/31, val_loss: 0.9790  
Batch 9/31, val_loss: 0.7266  
Batch 10/31, val_loss: 0.9661  
Batch 11/31, val_loss: 0.8514  
Batch 12/31, val_loss: 0.9748  
Batch 13/31, val_loss: 0.9785  
Batch 14/31, val_loss: 0.9713  
Batch 15/31, val_loss: 0.9999  
Batch 16/31, val_loss: 0.9900  
Batch 17/31, val_loss: 0.9896  
Batch 18/31, val_loss: 0.9792  
Batch 19/31, val_loss: 0.7821  
Batch 20/31, val_loss: 0.8739  
Batch 21/31, val_loss: 0.9173  
Batch 22/31, val_loss: 0.9987  
Batch 23/31, val_loss: 0.9875  
Batch 24/31, val_loss: 0.5518  
Batch 25/31, val_loss: 0.8201  
Batch 26/31, val_loss: 0.9428  
Batch 27/31, val_loss: 0.9906  
Batch 28/31, val_loss: 0.7791  
Batch 29/31, val_loss: 0.9923  
Batch 30/31, val_loss: 0.9942  
Batch 31/31, val_loss: 0.9925
```

Labels



Predictions



epoch 74

```
average train loss: 0.5570  
average validation loss: 0.9169
```

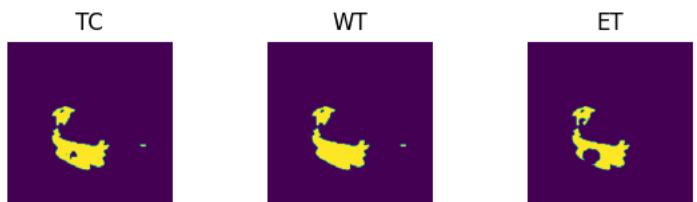
```
saved as best model: False
current mean dice: 0.3203
current TC dice: 0.3364
current WT dice: 0.3431
current ET dice: 0.3111
Best Mean Metric: 0.3232
time consuming of epoch 74 is: 1390.2619
-----
epoch 75/100
TRAIN
    Batch 1/248, train_loss: 0.1324, step time: 0.3460
    Batch 2/248, train_loss: 0.9980, step time: 0.3874
    Batch 3/248, train_loss: 0.9011, step time: 0.3894
    Batch 4/248, train_loss: 0.9986, step time: 0.3477
    Batch 5/248, train_loss: 0.7052, step time: 0.3481
    Batch 6/248, train_loss: 0.6834, step time: 0.3659
    Batch 7/248, train_loss: 0.1099, step time: 0.3684
    Batch 8/248, train_loss: 0.7538, step time: 0.3609
    Batch 9/248, train_loss: 0.0707, step time: 0.3845
    Batch 10/248, train_loss: 0.7995, step time: 0.3472
    Batch 11/248, train_loss: 0.5787, step time: 0.3440
    Batch 12/248, train_loss: 0.9892, step time: 0.3601
    Batch 13/248, train_loss: 0.8995, step time: 0.3701
    Batch 14/248, train_loss: 0.0768, step time: 0.3796
    Batch 15/248, train_loss: 0.8132, step time: 0.3462
    Batch 16/248, train_loss: 0.5049, step time: 0.3527
    Batch 17/248, train_loss: 0.9812, step time: 0.3777
    Batch 18/248, train_loss: 0.9592, step time: 0.3546
    Batch 19/248, train_loss: 0.1499, step time: 0.3447
    Batch 20/248, train_loss: 0.5115, step time: 0.3536
    Batch 21/248, train_loss: 0.1042, step time: 0.3624
    Batch 22/248, train_loss: 0.9996, step time: 0.3496
    Batch 23/248, train_loss: 0.9999, step time: 0.3557
    Batch 24/248, train_loss: 0.1751, step time: 0.3437
    Batch 25/248, train_loss: 0.1196, step time: 0.3876
    Batch 26/248, train_loss: 0.9628, step time: 0.3524
    Batch 27/248, train_loss: 0.1029, step time: 0.3448
    Batch 28/248, train_loss: 0.4684, step time: 0.3798
    Batch 29/248, train_loss: 0.9781, step time: 0.3437
    Batch 30/248, train_loss: 0.8548, step time: 0.3511
    Batch 31/248, train_loss: 0.7858, step time: 0.3465
    Batch 32/248, train_loss: 0.1713, step time: 0.3519
    Batch 33/248, train_loss: 0.1070, step time: 0.3802
    Batch 34/248, train_loss: 0.0732, step time: 0.3561
    Batch 35/248, train_loss: 0.1155, step time: 0.3858
    Batch 36/248, train_loss: 0.9981, step time: 0.3738
    Batch 37/248, train_loss: 0.2849, step time: 0.3474
    Batch 38/248, train_loss: 0.7413, step time: 0.3647
    Batch 39/248, train_loss: 0.3626, step time: 0.3442
    Batch 40/248, train_loss: 0.9999, step time: 0.3502
    Batch 41/248, train_loss: 0.2749, step time: 0.3651
    Batch 42/248, train_loss: 0.0987, step time: 0.3921
    Batch 43/248, train_loss: 0.0979, step time: 0.3638
    Batch 44/248, train_loss: 0.4644, step time: 0.3687
    Batch 45/248, train_loss: 0.8852, step time: 0.3879
    Batch 46/248, train_loss: 0.3485, step time: 0.3680
    Batch 47/248, train_loss: 0.3981, step time: 0.3850
    Batch 48/248, train_loss: 0.3845, step time: 0.3880
    Batch 49/248, train_loss: 0.9393, step time: 0.3877
    Batch 50/248, train_loss: 0.5242, step time: 0.3894
    Batch 51/248, train_loss: 0.5128, step time: 0.3629
    Batch 52/248, train_loss: 0.3131, step time: 0.3868
    Batch 53/248, train_loss: 0.8084, step time: 0.3520
    Batch 54/248, train_loss: 0.5210, step time: 0.3614
    Batch 55/248, train_loss: 0.7823, step time: 0.3887
    Batch 56/248, train_loss: 0.5413, step time: 0.3702
    Batch 57/248, train_loss: 0.5875, step time: 0.3892
    Batch 58/248, train_loss: 0.1359, step time: 0.3452
    Batch 59/248, train_loss: 0.1781, step time: 0.3851
    Batch 60/248, train_loss: 0.1179, step time: 0.3871
    Batch 61/248, train_loss: 0.1914, step time: 0.3419
    Batch 62/248, train_loss: 0.8186, step time: 0.3727
    Batch 63/248, train_loss: 0.9641, step time: 0.3800
    Batch 64/248, train_loss: 0.9520, step time: 0.3503
    Batch 65/248, train_loss: 0.6308, step time: 0.3480
    Batch 66/248, train_loss: 0.5096, step time: 0.3628
    Batch 67/248, train_loss: 0.1587, step time: 0.3867
    Batch 68/248, train_loss: 0.1876, step time: 0.3860
    Batch 69/248, train_loss: 0.9993, step time: 0.3738
    Batch 70/248, train_loss: 0.2219, step time: 0.3504
    Batch 71/248, train_loss: 0.1907, step time: 0.3560
    Batch 72/248, train_loss: 0.1032, step time: 0.3480
    Batch 73/248, train_loss: 0.2020, step time: 0.3454
    Batch 74/248, train_loss: 0.9993, step time: 0.3541
    Batch 75/248, train_loss: 0.2360, step time: 0.3690
```

Batch 76/248, train_loss: 0.9945, step time: 0.3494
Batch 77/248, train_loss: 0.9953, step time: 0.3524
Batch 78/248, train_loss: 0.2619, step time: 0.3803
Batch 79/248, train_loss: 0.4619, step time: 0.3783
Batch 80/248, train_loss: 0.7262, step time: 0.3871
Batch 81/248, train_loss: 0.7648, step time: 0.3788
Batch 82/248, train_loss: 0.1704, step time: 0.3716
Batch 83/248, train_loss: 0.9797, step time: 0.3584
Batch 84/248, train_loss: 0.5142, step time: 0.3745
Batch 85/248, train_loss: 0.9844, step time: 0.3757
Batch 86/248, train_loss: 0.3273, step time: 0.3638
Batch 87/248, train_loss: 0.9893, step time: 0.3770
Batch 88/248, train_loss: 0.9381, step time: 0.3816
Batch 89/248, train_loss: 0.1366, step time: 0.3437
Batch 90/248, train_loss: 0.5980, step time: 0.3610
Batch 91/248, train_loss: 0.9688, step time: 0.3456
Batch 92/248, train_loss: 0.5583, step time: 0.3816
Batch 93/248, train_loss: 0.2623, step time: 0.3650
Batch 94/248, train_loss: 0.9605, step time: 0.3692
Batch 95/248, train_loss: 0.2682, step time: 0.3921
Batch 96/248, train_loss: 0.3087, step time: 0.3574
Batch 97/248, train_loss: 0.9998, step time: 0.3457
Batch 98/248, train_loss: 0.1836, step time: 0.3461
Batch 99/248, train_loss: 0.9166, step time: 0.3481
Batch 100/248, train_loss: 0.9922, step time: 0.3768
Batch 101/248, train_loss: 0.0806, step time: 0.3726
Batch 102/248, train_loss: 0.3599, step time: 0.3885
Batch 103/248, train_loss: 0.9705, step time: 0.3834
Batch 104/248, train_loss: 0.4042, step time: 0.3576
Batch 105/248, train_loss: 0.1359, step time: 0.3754
Batch 106/248, train_loss: 0.6018, step time: 0.3477
Batch 107/248, train_loss: 0.9148, step time: 0.3674
Batch 108/248, train_loss: 0.9461, step time: 0.3554
Batch 109/248, train_loss: 0.9927, step time: 0.3889
Batch 110/248, train_loss: 0.7299, step time: 0.3456
Batch 111/248, train_loss: 0.1586, step time: 0.3531
Batch 112/248, train_loss: 0.2467, step time: 0.3513
Batch 113/248, train_loss: 0.9993, step time: 0.3626
Batch 114/248, train_loss: 0.2172, step time: 0.3715
Batch 115/248, train_loss: 0.3745, step time: 0.3707
Batch 116/248, train_loss: 0.1138, step time: 0.3463
Batch 117/248, train_loss: 0.9864, step time: 0.3656
Batch 118/248, train_loss: 0.9246, step time: 0.3553
Batch 119/248, train_loss: 0.4992, step time: 0.3435
Batch 120/248, train_loss: 0.5032, step time: 0.3453
Batch 121/248, train_loss: 0.8553, step time: 0.3778
Batch 122/248, train_loss: 0.8901, step time: 0.3663
Batch 123/248, train_loss: 0.1449, step time: 0.3743
Batch 124/248, train_loss: 0.8778, step time: 0.3749
Batch 125/248, train_loss: 0.9807, step time: 0.3685
Batch 126/248, train_loss: 0.3354, step time: 0.3467
Batch 127/248, train_loss: 0.3707, step time: 0.3491
Batch 128/248, train_loss: 0.7157, step time: 0.3650
Batch 129/248, train_loss: 0.1598, step time: 0.3901
Batch 130/248, train_loss: 0.1392, step time: 0.3768
Batch 131/248, train_loss: 0.9056, step time: 0.3446
Batch 132/248, train_loss: 0.8846, step time: 0.3803
Batch 133/248, train_loss: 0.1784, step time: 0.3900
Batch 134/248, train_loss: 0.9999, step time: 0.3466
Batch 135/248, train_loss: 0.9273, step time: 0.3447
Batch 136/248, train_loss: 0.5951, step time: 0.3579
Batch 137/248, train_loss: 0.1689, step time: 0.3681
Batch 138/248, train_loss: 0.1277, step time: 0.3657
Batch 139/248, train_loss: 0.2113, step time: 0.3847
Batch 140/248, train_loss: 0.5893, step time: 0.3865
Batch 141/248, train_loss: 0.2377, step time: 0.3447
Batch 142/248, train_loss: 0.9986, step time: 0.3683
Batch 143/248, train_loss: 0.6726, step time: 0.3630
Batch 144/248, train_loss: 0.1809, step time: 0.3454
Batch 145/248, train_loss: 0.0907, step time: 0.3715
Batch 146/248, train_loss: 0.9976, step time: 0.3430
Batch 147/248, train_loss: 0.0748, step time: 0.3839
Batch 148/248, train_loss: 0.9505, step time: 0.3889
Batch 149/248, train_loss: 0.3284, step time: 0.3868
Batch 150/248, train_loss: 0.5789, step time: 0.3531
Batch 151/248, train_loss: 0.9396, step time: 0.3439
Batch 152/248, train_loss: 0.0759, step time: 0.3461
Batch 153/248, train_loss: 0.8706, step time: 0.3431
Batch 154/248, train_loss: 0.9735, step time: 0.3449
Batch 155/248, train_loss: 0.3602, step time: 0.3478
Batch 156/248, train_loss: 0.3479, step time: 0.3447
Batch 157/248, train_loss: 0.4045, step time: 0.3750
Batch 158/248, train_loss: 0.9990, step time: 0.3449
Batch 159/248, train_loss: 0.9890, step time: 0.3855
Batch 160/248, train_loss: 0.1517, step time: 0.3006

Batch 100/248, train_loss: 0.1947, step time: 0.3660
Batch 101/248, train_loss: 0.2385, step time: 0.3906
Batch 102/248, train_loss: 0.1193, step time: 0.3664
Batch 103/248, train_loss: 0.9066, step time: 0.3438
Batch 104/248, train_loss: 0.4353, step time: 0.3544
Batch 105/248, train_loss: 0.9951, step time: 0.3881
Batch 106/248, train_loss: 0.7641, step time: 0.3619
Batch 107/248, train_loss: 0.4849, step time: 0.3760
Batch 108/248, train_loss: 0.3815, step time: 0.3728
Batch 109/248, train_loss: 0.1961, step time: 0.3808
Batch 110/248, train_loss: 0.9809, step time: 0.3646
Batch 111/248, train_loss: 0.1265, step time: 0.3875
Batch 112/248, train_loss: 0.9962, step time: 0.3668
Batch 113/248, train_loss: 0.1335, step time: 0.3832
Batch 114/248, train_loss: 0.9630, step time: 0.3816
Batch 115/248, train_loss: 0.2118, step time: 0.3817
Batch 116/248, train_loss: 0.6066, step time: 0.3615
Batch 117/248, train_loss: 0.9821, step time: 0.3857
Batch 118/248, train_loss: 0.2915, step time: 0.3897
Batch 119/248, train_loss: 0.1226, step time: 0.3585
Batch 120/248, train_loss: 0.4715, step time: 0.3450
Batch 121/248, train_loss: 0.1693, step time: 0.3529
Batch 122/248, train_loss: 0.9281, step time: 0.3727
Batch 123/248, train_loss: 0.3014, step time: 0.3722
Batch 124/248, train_loss: 0.8477, step time: 0.3854
Batch 125/248, train_loss: 0.3333, step time: 0.3508
Batch 126/248, train_loss: 0.1668, step time: 0.3455
Batch 127/248, train_loss: 0.2537, step time: 0.3851
Batch 128/248, train_loss: 0.4297, step time: 0.3676
Batch 129/248, train_loss: 0.9987, step time: 0.3718
Batch 130/248, train_loss: 0.2809, step time: 0.3507
Batch 131/248, train_loss: 0.9939, step time: 0.3452
Batch 132/248, train_loss: 0.3317, step time: 0.3482
Batch 133/248, train_loss: 0.7150, step time: 0.3434
Batch 134/248, train_loss: 0.4878, step time: 0.3841
Batch 135/248, train_loss: 0.9952, step time: 0.3717
Batch 136/248, train_loss: 0.9998, step time: 0.3443
Batch 137/248, train_loss: 0.6951, step time: 0.3551
Batch 138/248, train_loss: 1.0000, step time: 0.3763
Batch 139/248, train_loss: 0.4332, step time: 0.3730
Batch 140/248, train_loss: 0.2751, step time: 0.3646
Batch 141/248, train_loss: 0.1863, step time: 0.3452
Batch 142/248, train_loss: 0.6716, step time: 0.3627
Batch 143/248, train_loss: 0.9776, step time: 0.3523
Batch 144/248, train_loss: 0.1363, step time: 0.3731
Batch 145/248, train_loss: 0.8285, step time: 0.3576
Batch 146/248, train_loss: 0.9868, step time: 0.3800
Batch 147/248, train_loss: 0.1412, step time: 0.3913
Batch 148/248, train_loss: 0.3613, step time: 0.3559
Batch 149/248, train_loss: 0.2659, step time: 0.3811
Batch 150/248, train_loss: 0.1351, step time: 0.3451
Batch 151/248, train_loss: 0.1426, step time: 0.3891
Batch 152/248, train_loss: 0.6129, step time: 0.3724
Batch 153/248, train_loss: 0.5421, step time: 0.3873
Batch 154/248, train_loss: 0.1653, step time: 0.3797
Batch 155/248, train_loss: 0.7019, step time: 0.3623
Batch 156/248, train_loss: 0.2589, step time: 0.3839
Batch 157/248, train_loss: 0.8631, step time: 0.3721
Batch 158/248, train_loss: 0.9988, step time: 0.3446
Batch 159/248, train_loss: 0.1370, step time: 0.3502
Batch 160/248, train_loss: 0.6924, step time: 0.3756
Batch 161/248, train_loss: 0.7177, step time: 0.3516
Batch 162/248, train_loss: 0.2361, step time: 0.3872
Batch 163/248, train_loss: 0.0816, step time: 0.3552
Batch 164/248, train_loss: 0.1294, step time: 0.3622
Batch 165/248, train_loss: 0.9665, step time: 0.3783
Batch 166/248, train_loss: 0.8548, step time: 0.3430
Batch 167/248, train_loss: 0.2196, step time: 0.3582
Batch 168/248, train_loss: 0.6810, step time: 0.3494
Batch 169/248, train_loss: 0.1604, step time: 0.3838
Batch 170/248, train_loss: 0.1661, step time: 0.3495
Batch 171/248, train_loss: 0.9925, step time: 0.3662
Batch 172/248, train_loss: 0.1480, step time: 0.3476
Batch 173/248, train_loss: 0.9993, step time: 0.3610
Batch 174/248, train_loss: 0.9704, step time: 0.3829
Batch 175/248, train_loss: 0.9587, step time: 0.3454
Batch 176/248, train_loss: 0.9982, step time: 0.3735
Batch 177/248, train_loss: 0.2212, step time: 0.3450
Batch 178/248, train_loss: 0.1605, step time: 0.3466
Batch 179/248, train_loss: 0.0873, step time: 0.3467
Batch 180/248, train_loss: 0.6453, step time: 0.3767
Batch 181/248, train_loss: 0.9993, step time: 0.3662
Batch 182/248, train_loss: 0.7806, step time: 0.3808
Batch 183/248, train_loss: 0.9857, step time: 0.3783
Batch 184/248, train_loss: 0.9442, step time: 0.3758

```
Batch 245/248, train_loss: 0.1641, step time: 0.3885  
Batch 246/248, train_loss: 0.9642, step time: 0.3805  
Batch 247/248, train_loss: 0.1108, step time: 0.3860  
Batch 248/248, train_loss: 1.0000, step time: 0.3815
```

Labels



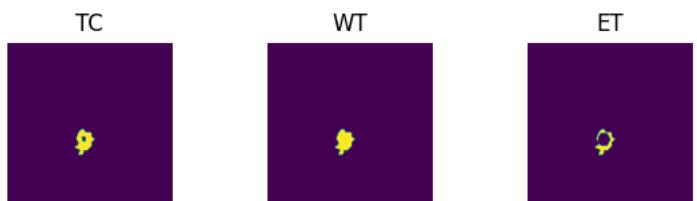
Predictions



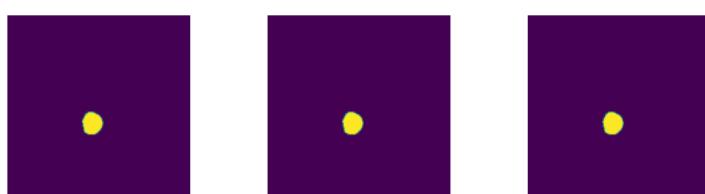
VAL

```
Batch 1/31, val_loss: 0.8758  
Batch 2/31, val_loss: 0.9968  
Batch 3/31, val_loss: 0.9931  
Batch 4/31, val_loss: 0.9892  
Batch 5/31, val_loss: 0.9998  
Batch 6/31, val_loss: 0.7115  
Batch 7/31, val_loss: 0.8514  
Batch 8/31, val_loss: 0.9775  
Batch 9/31, val_loss: 0.7238  
Batch 10/31, val_loss: 0.9532  
Batch 11/31, val_loss: 0.8373  
Batch 12/31, val_loss: 0.9739  
Batch 13/31, val_loss: 0.9839  
Batch 14/31, val_loss: 0.9687  
Batch 15/31, val_loss: 0.9958  
Batch 16/31, val_loss: 0.9898  
Batch 17/31, val_loss: 0.9918  
Batch 18/31, val_loss: 0.9753  
Batch 19/31, val_loss: 0.7736  
Batch 20/31, val_loss: 0.8964  
Batch 21/31, val_loss: 0.9134  
Batch 22/31, val_loss: 0.9970  
Batch 23/31, val_loss: 0.9832  
Batch 24/31, val_loss: 0.6317  
Batch 25/31, val_loss: 0.8141  
Batch 26/31, val_loss: 0.9401  
Batch 27/31, val_loss: 0.9910  
Batch 28/31, val_loss: 0.7782  
Batch 29/31, val_loss: 0.9954  
Batch 30/31, val_loss: 0.9927  
Batch 31/31, val_loss: 0.9913
```

Labels



Predictions



epoch 75

```
average train loss: 0.5532  
average validation loss: 0.9189
```

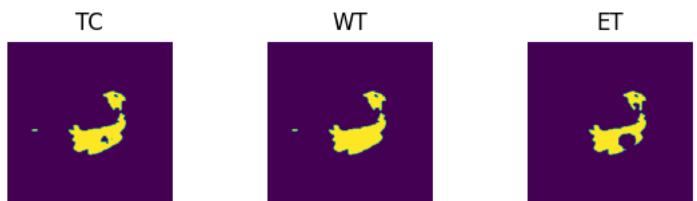
```
-----  
saved as best model: True  
current mean dice: 0.3306  
current TC dice: 0.3484  
current WT dice: 0.3553  
current ET dice: 0.3186  
Best Mean Metric: 0.3306  
time consuming of epoch 75 is: 1406.3692  
-----  
epoch 76/100  
TRAIN  
Batch 1/248, train_loss: 0.1086, step time: 0.3851  
Batch 2/248, train_loss: 0.9953, step time: 0.3533  
Batch 3/248, train_loss: 0.8882, step time: 0.3439  
Batch 4/248, train_loss: 0.9998, step time: 0.3606  
Batch 5/248, train_loss: 0.6332, step time: 0.3831  
Batch 6/248, train_loss: 0.6836, step time: 0.3802  
Batch 7/248, train_loss: 0.1085, step time: 0.3789  
Batch 8/248, train_loss: 0.7301, step time: 0.3738  
Batch 9/248, train_loss: 0.0670, step time: 0.3625  
Batch 10/248, train_loss: 0.7950, step time: 0.3724  
Batch 11/248, train_loss: 0.5327, step time: 0.3595  
Batch 12/248, train_loss: 0.9897, step time: 0.3423  
Batch 13/248, train_loss: 0.9026, step time: 0.3772  
Batch 14/248, train_loss: 0.0780, step time: 0.3883  
Batch 15/248, train_loss: 0.7919, step time: 0.3474  
Batch 16/248, train_loss: 0.4927, step time: 0.3720  
Batch 17/248, train_loss: 0.9820, step time: 0.3832  
Batch 18/248, train_loss: 0.9466, step time: 0.3492  
Batch 19/248, train_loss: 0.1929, step time: 0.3731  
Batch 20/248, train_loss: 0.4817, step time: 0.3580  
Batch 21/248, train_loss: 0.1129, step time: 0.3640  
Batch 22/248, train_loss: 0.9985, step time: 0.3417  
Batch 23/248, train_loss: 1.0000, step time: 0.3714  
Batch 24/248, train_loss: 0.1688, step time: 0.3466  
Batch 25/248, train_loss: 0.1165, step time: 0.3654  
Batch 26/248, train_loss: 0.9484, step time: 0.3421  
Batch 27/248, train_loss: 0.1079, step time: 0.3577  
Batch 28/248, train_loss: 0.4270, step time: 0.3789  
Batch 29/248, train_loss: 0.9721, step time: 0.3662  
Batch 30/248, train_loss: 0.6536, step time: 0.3526  
Batch 31/248, train_loss: 0.7719, step time: 0.3424  
Batch 32/248, train_loss: 0.1530, step time: 0.3598  
Batch 33/248, train_loss: 0.1081, step time: 0.3658  
Batch 34/248, train_loss: 0.0736, step time: 0.3549  
Batch 35/248, train_loss: 0.1122, step time: 0.3721  
Batch 36/248, train_loss: 0.9963, step time: 0.3762  
Batch 37/248, train_loss: 0.2555, step time: 0.3435  
Batch 38/248, train_loss: 0.7338, step time: 0.3818  
Batch 39/248, train_loss: 0.3309, step time: 0.3498  
Batch 40/248, train_loss: 0.9999, step time: 0.3410  
Batch 41/248, train_loss: 0.2415, step time: 0.3425  
Batch 42/248, train_loss: 0.1051, step time: 0.3453  
Batch 43/248, train_loss: 0.0935, step time: 0.3810  
Batch 44/248, train_loss: 0.4485, step time: 0.3583  
Batch 45/248, train_loss: 0.7477, step time: 0.3694  
Batch 46/248, train_loss: 0.3047, step time: 0.3469  
Batch 47/248, train_loss: 0.3681, step time: 0.3808  
Batch 48/248, train_loss: 0.3436, step time: 0.3725  
Batch 49/248, train_loss: 0.9428, step time: 0.3742  
Batch 50/248, train_loss: 0.4932, step time: 0.3739  
Batch 51/248, train_loss: 0.4785, step time: 0.3444  
Batch 52/248, train_loss: 0.2989, step time: 0.3593  
Batch 53/248, train_loss: 0.8085, step time: 0.3634  
Batch 54/248, train_loss: 0.4908, step time: 0.3556  
Batch 55/248, train_loss: 0.8022, step time: 0.3489  
Batch 56/248, train_loss: 0.5389, step time: 0.3524  
Batch 57/248, train_loss: 0.5418, step time: 0.3513  
Batch 58/248, train_loss: 0.1213, step time: 0.3812  
Batch 59/248, train_loss: 0.1708, step time: 0.3491  
Batch 60/248, train_loss: 0.1167, step time: 0.3421  
Batch 61/248, train_loss: 0.1951, step time: 0.3830  
Batch 62/248, train_loss: 0.8404, step time: 0.3416  
Batch 63/248, train_loss: 0.9742, step time: 0.3525  
Batch 64/248, train_loss: 0.9642, step time: 0.3663  
Batch 65/248, train_loss: 0.5814, step time: 0.3847  
Batch 66/248, train_loss: 0.4850, step time: 0.3669  
Batch 67/248, train_loss: 0.1522, step time: 0.3808  
Batch 68/248, train_loss: 0.1468, step time: 0.3834  
Batch 69/248, train_loss: 0.9997, step time: 0.3539  
Batch 70/248, train_loss: 0.2387, step time: 0.3817  
Batch 71/248, train_loss: 0.2968, step time: 0.3725  
Batch 72/248, train_loss: 0.1133, step time: 0.3779  
Batch 73/248, train_loss: 0.3220, step time: 0.3755  
Batch 74/248, train_loss: 0.9994, step time: 0.3638  
Batch 75/248, train_loss: 0.2200, step time: 0.3502
```

Batch 1/248, train_loss: 0.2598, step time: 0.3627
Batch 2/248, train_loss: 0.9714, step time: 0.3628
Batch 3/248, train_loss: 0.9998, step time: 0.3508
Batch 4/248, train_loss: 0.2865, step time: 0.3462
Batch 5/248, train_loss: 0.4230, step time: 0.3574
Batch 6/248, train_loss: 0.6810, step time: 0.3445
Batch 7/248, train_loss: 0.7216, step time: 0.3774
Batch 8/248, train_loss: 0.1742, step time: 0.3863
Batch 9/248, train_loss: 0.9662, step time: 0.3830
Batch 10/248, train_loss: 0.5679, step time: 0.3552
Batch 11/248, train_loss: 0.9701, step time: 0.3411
Batch 12/248, train_loss: 0.3982, step time: 0.3444
Batch 13/248, train_loss: 0.9743, step time: 0.3638
Batch 14/248, train_loss: 0.9259, step time: 0.3474
Batch 15/248, train_loss: 0.1177, step time: 0.3433
Batch 16/248, train_loss: 0.5806, step time: 0.3433
Batch 17/248, train_loss: 0.9694, step time: 0.3554
Batch 18/248, train_loss: 0.5397, step time: 0.3679
Batch 19/248, train_loss: 0.2385, step time: 0.3562
Batch 20/248, train_loss: 0.9556, step time: 0.3505
Batch 21/248, train_loss: 0.2719, step time: 0.3523
Batch 22/248, train_loss: 0.2790, step time: 0.3462
Batch 23/248, train_loss: 1.0000, step time: 0.3539
Batch 24/248, train_loss: 0.1826, step time: 0.3502
Batch 25/248, train_loss: 0.9036, step time: 0.3855
Batch 26/248, train_loss: 0.9897, step time: 0.3837
Batch 27/248, train_loss: 0.0821, step time: 0.3731
Batch 28/248, train_loss: 0.3120, step time: 0.3436
Batch 29/248, train_loss: 0.9661, step time: 0.3609
Batch 30/248, train_loss: 0.3995, step time: 0.3524
Batch 31/248, train_loss: 0.1481, step time: 0.3813
Batch 32/248, train_loss: 0.5724, step time: 0.3503
Batch 33/248, train_loss: 0.9028, step time: 0.3615
Batch 34/248, train_loss: 0.9552, step time: 0.3418
Batch 35/248, train_loss: 0.9986, step time: 0.3734
Batch 36/248, train_loss: 0.6641, step time: 0.3490
Batch 37/248, train_loss: 0.1727, step time: 0.3658
Batch 38/248, train_loss: 0.1950, step time: 0.3481
Batch 39/248, train_loss: 0.9998, step time: 0.3541
Batch 40/248, train_loss: 0.2210, step time: 0.3753
Batch 41/248, train_loss: 0.3869, step time: 0.3429
Batch 42/248, train_loss: 0.1178, step time: 0.3608
Batch 43/248, train_loss: 0.9874, step time: 0.3462
Batch 44/248, train_loss: 0.9676, step time: 0.3500
Batch 45/248, train_loss: 0.4902, step time: 0.3594
Batch 46/248, train_loss: 0.4886, step time: 0.3863
Batch 47/248, train_loss: 0.7731, step time: 0.3439
Batch 48/248, train_loss: 0.9301, step time: 0.3568
Batch 49/248, train_loss: 0.1292, step time: 0.3651
Batch 50/248, train_loss: 0.8982, step time: 0.3602
Batch 51/248, train_loss: 0.9793, step time: 0.3432
Batch 52/248, train_loss: 0.2666, step time: 0.3464
Batch 53/248, train_loss: 0.3572, step time: 0.3620
Batch 54/248, train_loss: 0.6913, step time: 0.3661
Batch 55/248, train_loss: 0.1617, step time: 0.3818
Batch 56/248, train_loss: 0.1710, step time: 0.3855
Batch 57/248, train_loss: 0.9063, step time: 0.3782
Batch 58/248, train_loss: 0.8651, step time: 0.3840
Batch 59/248, train_loss: 0.1964, step time: 0.3926
Batch 60/248, train_loss: 1.0000, step time: 0.3807
Batch 61/248, train_loss: 0.9376, step time: 0.3726
Batch 62/248, train_loss: 0.5413, step time: 0.3480
Batch 63/248, train_loss: 0.1993, step time: 0.3730
Batch 64/248, train_loss: 0.1234, step time: 0.3566
Batch 65/248, train_loss: 0.1882, step time: 0.3674
Batch 66/248, train_loss: 0.5722, step time: 0.3718
Batch 67/248, train_loss: 0.2565, step time: 0.3437
Batch 68/248, train_loss: 0.9854, step time: 0.3690
Batch 69/248, train_loss: 0.6496, step time: 0.3560
Batch 70/248, train_loss: 0.1748, step time: 0.3579
Batch 71/248, train_loss: 0.1364, step time: 0.3886
Batch 72/248, train_loss: 0.9829, step time: 0.3716
Batch 73/248, train_loss: 0.0719, step time: 0.3804
Batch 74/248, train_loss: 0.9558, step time: 0.3762
Batch 75/248, train_loss: 0.3184, step time: 0.3575
Batch 76/248, train_loss: 0.5531, step time: 0.3442
Batch 77/248, train_loss: 0.9140, step time: 0.3686
Batch 78/248, train_loss: 0.0708, step time: 0.3869
Batch 79/248, train_loss: 0.8346, step time: 0.3666
Batch 80/248, train_loss: 0.9665, step time: 0.3632
Batch 81/248, train_loss: 0.3228, step time: 0.3631
Batch 82/248, train_loss: 0.3579, step time: 0.3463
Batch 83/248, train_loss: 0.4069, step time: 0.3705
Batch 84/248, train_loss: 0.9983, step time: 0.3718
Batch 85/248, train_loss: 0.9942, step time: 0.3735

Batch 160/248, train_loss: 0.1700, step time: 0.3815
Batch 161/248, train_loss: 0.2243, step time: 0.3822
Batch 162/248, train_loss: 0.1313, step time: 0.3770
Batch 163/248, train_loss: 0.9035, step time: 0.3441
Batch 164/248, train_loss: 0.4356, step time: 0.3447
Batch 165/248, train_loss: 0.9950, step time: 0.3555
Batch 166/248, train_loss: 0.7500, step time: 0.3643
Batch 167/248, train_loss: 0.4868, step time: 0.3844
Batch 168/248, train_loss: 0.3687, step time: 0.3464
Batch 169/248, train_loss: 0.2077, step time: 0.3652
Batch 170/248, train_loss: 0.9663, step time: 0.3826
Batch 171/248, train_loss: 0.1167, step time: 0.3651
Batch 172/248, train_loss: 0.9974, step time: 0.3705
Batch 173/248, train_loss: 0.1415, step time: 0.3838
Batch 174/248, train_loss: 0.9817, step time: 0.3488
Batch 175/248, train_loss: 0.2182, step time: 0.3825
Batch 176/248, train_loss: 0.5751, step time: 0.3832
Batch 177/248, train_loss: 0.9958, step time: 0.3550
Batch 178/248, train_loss: 0.2726, step time: 0.3866
Batch 179/248, train_loss: 0.1219, step time: 0.3705
Batch 180/248, train_loss: 0.4760, step time: 0.3889
Batch 181/248, train_loss: 0.1726, step time: 0.3828
Batch 182/248, train_loss: 0.9295, step time: 0.3810
Batch 183/248, train_loss: 0.3433, step time: 0.3405
Batch 184/248, train_loss: 0.7967, step time: 0.3410
Batch 185/248, train_loss: 0.3279, step time: 0.3494
Batch 186/248, train_loss: 0.1571, step time: 0.3865
Batch 187/248, train_loss: 0.2593, step time: 0.3884
Batch 188/248, train_loss: 0.4123, step time: 0.3856
Batch 189/248, train_loss: 0.9950, step time: 0.3543
Batch 190/248, train_loss: 0.2697, step time: 0.3559
Batch 191/248, train_loss: 0.9890, step time: 0.3812
Batch 192/248, train_loss: 0.3513, step time: 0.3466
Batch 193/248, train_loss: 0.7003, step time: 0.3447
Batch 194/248, train_loss: 0.4587, step time: 0.3782
Batch 195/248, train_loss: 0.9947, step time: 0.3473
Batch 196/248, train_loss: 0.9998, step time: 0.3740
Batch 197/248, train_loss: 0.6787, step time: 0.3548
Batch 198/248, train_loss: 0.9999, step time: 0.3545
Batch 199/248, train_loss: 0.3902, step time: 0.3549
Batch 200/248, train_loss: 0.2776, step time: 0.3738
Batch 201/248, train_loss: 0.1942, step time: 0.3803
Batch 202/248, train_loss: 0.6804, step time: 0.3539
Batch 203/248, train_loss: 0.9710, step time: 0.3641
Batch 204/248, train_loss: 0.1383, step time: 0.3565
Batch 205/248, train_loss: 0.8352, step time: 0.3780
Batch 206/248, train_loss: 0.9877, step time: 0.3812
Batch 207/248, train_loss: 0.1339, step time: 0.3451
Batch 208/248, train_loss: 0.3613, step time: 0.3798
Batch 209/248, train_loss: 0.2711, step time: 0.3557
Batch 210/248, train_loss: 0.1222, step time: 0.3434
Batch 211/248, train_loss: 0.1278, step time: 0.3457
Batch 212/248, train_loss: 0.5911, step time: 0.3599
Batch 213/248, train_loss: 0.5171, step time: 0.3584
Batch 214/248, train_loss: 0.1635, step time: 0.3462
Batch 215/248, train_loss: 0.6771, step time: 0.3642
Batch 216/248, train_loss: 0.2401, step time: 0.3785
Batch 217/248, train_loss: 0.8752, step time: 0.3692
Batch 218/248, train_loss: 0.9981, step time: 0.3881
Batch 219/248, train_loss: 0.1130, step time: 0.3690
Batch 220/248, train_loss: 0.6721, step time: 0.3469
Batch 221/248, train_loss: 0.6788, step time: 0.3436
Batch 222/248, train_loss: 0.2394, step time: 0.3430
Batch 223/248, train_loss: 0.0801, step time: 0.3580
Batch 224/248, train_loss: 0.1287, step time: 0.3495
Batch 225/248, train_loss: 0.9625, step time: 0.3539
Batch 226/248, train_loss: 0.8548, step time: 0.3699
Batch 227/248, train_loss: 0.2280, step time: 0.3866
Batch 228/248, train_loss: 0.6494, step time: 0.3838
Batch 229/248, train_loss: 0.1703, step time: 0.3513
Batch 230/248, train_loss: 0.1801, step time: 0.3679
Batch 231/248, train_loss: 0.9921, step time: 0.3835
Batch 232/248, train_loss: 0.1384, step time: 0.3470
Batch 233/248, train_loss: 0.9996, step time: 0.3908
Batch 234/248, train_loss: 0.9630, step time: 0.3820
Batch 235/248, train_loss: 0.9364, step time: 0.3778
Batch 236/248, train_loss: 0.9989, step time: 0.3872
Batch 237/248, train_loss: 0.2283, step time: 0.3570
Batch 238/248, train_loss: 0.1791, step time: 0.3462
Batch 239/248, train_loss: 0.0945, step time: 0.3899
Batch 240/248, train_loss: 0.6120, step time: 0.3743
Batch 241/248, train_loss: 0.9999, step time: 0.3588
Batch 242/248, train_loss: 0.7836, step time: 0.3806
Batch 243/248, train_loss: 0.9929, step time: 0.3776
Batch 244/248, train_loss: 0.9929, step time: 0.3771

```
Batch 245/248, train_loss: 0.1735, step time: 0.3916  
Batch 246/248, train_loss: 0.9982, step time: 0.3620  
Batch 247/248, train_loss: 0.1174, step time: 0.3557  
Batch 248/248, train_loss: 1.0000, step time: 0.3715
```

Labels



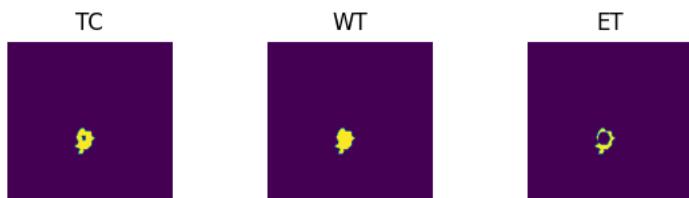
Predictions



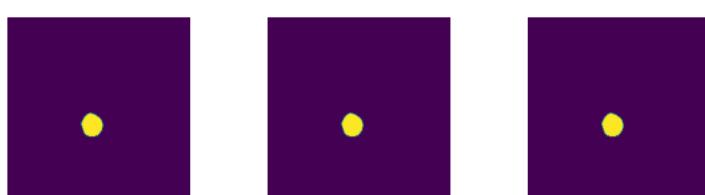
VAL

```
Batch 1/31, val_loss: 0.8772  
Batch 2/31, val_loss: 0.9995  
Batch 3/31, val_loss: 0.9927  
Batch 4/31, val_loss: 0.9898  
Batch 5/31, val_loss: 0.9997  
Batch 6/31, val_loss: 0.7054  
Batch 7/31, val_loss: 0.8551  
Batch 8/31, val_loss: 0.9736  
Batch 9/31, val_loss: 0.7315  
Batch 10/31, val_loss: 0.9637  
Batch 11/31, val_loss: 0.8411  
Batch 12/31, val_loss: 0.9752  
Batch 13/31, val_loss: 0.9903  
Batch 14/31, val_loss: 0.9692  
Batch 15/31, val_loss: 0.9979  
Batch 16/31, val_loss: 0.9829  
Batch 17/31, val_loss: 0.9954  
Batch 18/31, val_loss: 0.9726  
Batch 19/31, val_loss: 0.7878  
Batch 20/31, val_loss: 0.8862  
Batch 21/31, val_loss: 0.9149  
Batch 22/31, val_loss: 0.9973  
Batch 23/31, val_loss: 0.9879  
Batch 24/31, val_loss: 0.5305  
Batch 25/31, val_loss: 0.8175  
Batch 26/31, val_loss: 0.9406  
Batch 27/31, val_loss: 0.9952  
Batch 28/31, val_loss: 0.7803  
Batch 29/31, val_loss: 0.9922  
Batch 30/31, val_loss: 0.9883  
Batch 31/31, val_loss: 0.9912
```

Labels



Predictions



epoch 76

average train loss: 0.5463

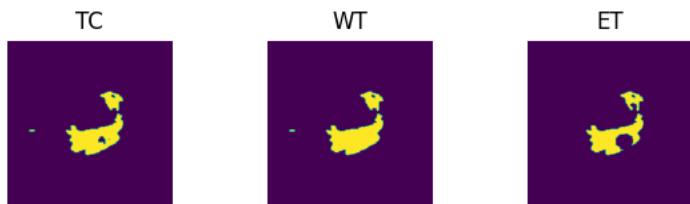
```
average validation loss: 0.9169
saved as best model: True
current mean dice: 0.3309
current TC dice: 0.3481
current WT dice: 0.3551
current ET dice: 0.3204
Best Mean Metric: 0.3309
time consuming of epoch 76 is: 1423.0018
-----
epoch 77/100
TRAIN
Batch 1/248, train_loss: 0.1287, step time: 0.3713
Batch 2/248, train_loss: 0.9999, step time: 0.3449
Batch 3/248, train_loss: 0.8922, step time: 0.3814
Batch 4/248, train_loss: 0.9983, step time: 0.3697
Batch 5/248, train_loss: 0.5932, step time: 0.3775
Batch 6/248, train_loss: 0.6314, step time: 0.3421
Batch 7/248, train_loss: 0.1026, step time: 0.3798
Batch 8/248, train_loss: 0.7363, step time: 0.3427
Batch 9/248, train_loss: 0.0698, step time: 0.3779
Batch 10/248, train_loss: 0.7772, step time: 0.3688
Batch 11/248, train_loss: 0.5138, step time: 0.3410
Batch 12/248, train_loss: 0.9873, step time: 0.3800
Batch 13/248, train_loss: 0.8783, step time: 0.3743
Batch 14/248, train_loss: 0.0882, step time: 0.3389
Batch 15/248, train_loss: 0.7825, step time: 0.3529
Batch 16/248, train_loss: 0.4472, step time: 0.3613
Batch 17/248, train_loss: 0.9707, step time: 0.3764
Batch 18/248, train_loss: 0.9473, step time: 0.3634
Batch 19/248, train_loss: 0.1520, step time: 0.3476
Batch 20/248, train_loss: 0.4922, step time: 0.3755
Batch 21/248, train_loss: 0.1002, step time: 0.3777
Batch 22/248, train_loss: 0.9999, step time: 0.3446
Batch 23/248, train_loss: 0.9999, step time: 0.3413
Batch 24/248, train_loss: 0.1794, step time: 0.3780
Batch 25/248, train_loss: 0.1119, step time: 0.3565
Batch 26/248, train_loss: 0.9475, step time: 0.3637
Batch 27/248, train_loss: 0.1024, step time: 0.3525
Batch 28/248, train_loss: 0.4135, step time: 0.3765
Batch 29/248, train_loss: 0.9721, step time: 0.3769
Batch 30/248, train_loss: 0.5283, step time: 0.3595
Batch 31/248, train_loss: 0.7814, step time: 0.3447
Batch 32/248, train_loss: 0.1436, step time: 0.3508
Batch 33/248, train_loss: 0.1059, step time: 0.3449
Batch 34/248, train_loss: 0.0709, step time: 0.3840
Batch 35/248, train_loss: 0.1015, step time: 0.3495
Batch 36/248, train_loss: 0.9984, step time: 0.3717
Batch 37/248, train_loss: 0.2814, step time: 0.3520
Batch 38/248, train_loss: 0.7087, step time: 0.3503
Batch 39/248, train_loss: 0.3153, step time: 0.3498
Batch 40/248, train_loss: 1.0000, step time: 0.3832
Batch 41/248, train_loss: 0.2602, step time: 0.3383
Batch 42/248, train_loss: 0.0953, step time: 0.3403
Batch 43/248, train_loss: 0.0913, step time: 0.3663
Batch 44/248, train_loss: 0.4027, step time: 0.3421
Batch 45/248, train_loss: 0.7013, step time: 0.3394
Batch 46/248, train_loss: 0.3255, step time: 0.3438
Batch 47/248, train_loss: 0.3326, step time: 0.3482
Batch 48/248, train_loss: 0.3581, step time: 0.3800
Batch 49/248, train_loss: 0.9131, step time: 0.3504
Batch 50/248, train_loss: 0.4596, step time: 0.3596
Batch 51/248, train_loss: 0.4504, step time: 0.3794
Batch 52/248, train_loss: 0.3176, step time: 0.3516
Batch 53/248, train_loss: 0.8082, step time: 0.3597
Batch 54/248, train_loss: 0.4771, step time: 0.3814
Batch 55/248, train_loss: 0.7426, step time: 0.3592
Batch 56/248, train_loss: 0.5119, step time: 0.3422
Batch 57/248, train_loss: 0.5513, step time: 0.3624
Batch 58/248, train_loss: 0.1344, step time: 0.3415
Batch 59/248, train_loss: 0.1855, step time: 0.3680
Batch 60/248, train_loss: 0.1177, step time: 0.3555
Batch 61/248, train_loss: 0.2024, step time: 0.3517
Batch 62/248, train_loss: 0.8032, step time: 0.3531
Batch 63/248, train_loss: 0.9729, step time: 0.3764
Batch 64/248, train_loss: 0.9402, step time: 0.3705
Batch 65/248, train_loss: 0.5618, step time: 0.3421
Batch 66/248, train_loss: 0.4622, step time: 0.3765
Batch 67/248, train_loss: 0.1594, step time: 0.3692
Batch 68/248, train_loss: 0.1744, step time: 0.3454
Batch 69/248, train_loss: 0.9959, step time: 0.3639
Batch 70/248, train_loss: 0.2213, step time: 0.3637
Batch 71/248, train_loss: 0.2152, step time: 0.3514
Batch 72/248, train_loss: 0.1122, step time: 0.3658
Batch 73/248, train_loss: 0.2284, step time: 0.3574
Batch 74/248, train_loss: 0.9973, step time: 0.3594
```

Batch 75/248, train_loss: 0.2226, step time: 0.3855
Batch 76/248, train_loss: 0.9652, step time: 0.3831
Batch 77/248, train_loss: 0.9996, step time: 0.3579
Batch 78/248, train_loss: 0.2366, step time: 0.3769
Batch 79/248, train_loss: 0.3811, step time: 0.3862
Batch 80/248, train_loss: 0.6318, step time: 0.3659
Batch 81/248, train_loss: 0.6790, step time: 0.3846
Batch 82/248, train_loss: 0.1652, step time: 0.3666
Batch 83/248, train_loss: 0.9623, step time: 0.3691
Batch 84/248, train_loss: 0.5015, step time: 0.3739
Batch 85/248, train_loss: 0.9740, step time: 0.3855
Batch 86/248, train_loss: 0.3109, step time: 0.3656
Batch 87/248, train_loss: 0.9928, step time: 0.3649
Batch 88/248, train_loss: 0.9437, step time: 0.3594
Batch 89/248, train_loss: 0.1137, step time: 0.3714
Batch 90/248, train_loss: 0.5255, step time: 0.3449
Batch 91/248, train_loss: 0.9664, step time: 0.3513
Batch 92/248, train_loss: 0.5163, step time: 0.3687
Batch 93/248, train_loss: 0.2042, step time: 0.3645
Batch 94/248, train_loss: 0.9548, step time: 0.3404
Batch 95/248, train_loss: 0.2520, step time: 0.3757
Batch 96/248, train_loss: 0.2799, step time: 0.3467
Batch 97/248, train_loss: 0.9995, step time: 0.3832
Batch 98/248, train_loss: 0.1643, step time: 0.3823
Batch 99/248, train_loss: 0.8982, step time: 0.3548
Batch 100/248, train_loss: 0.9739, step time: 0.3476
Batch 101/248, train_loss: 0.0737, step time: 0.3709
Batch 102/248, train_loss: 0.3455, step time: 0.3696
Batch 103/248, train_loss: 0.9549, step time: 0.3480
Batch 104/248, train_loss: 0.3817, step time: 0.3738
Batch 105/248, train_loss: 0.1334, step time: 0.3705
Batch 106/248, train_loss: 0.5475, step time: 0.3640
Batch 107/248, train_loss: 0.9038, step time: 0.3845
Batch 108/248, train_loss: 0.9351, step time: 0.3670
Batch 109/248, train_loss: 0.9990, step time: 0.3670
Batch 110/248, train_loss: 0.7401, step time: 0.3649
Batch 111/248, train_loss: 0.1545, step time: 0.3559
Batch 112/248, train_loss: 0.1702, step time: 0.3738
Batch 113/248, train_loss: 0.9999, step time: 0.3816
Batch 114/248, train_loss: 0.2091, step time: 0.3436
Batch 115/248, train_loss: 0.3801, step time: 0.3701
Batch 116/248, train_loss: 0.1126, step time: 0.3706
Batch 117/248, train_loss: 0.9860, step time: 0.3605
Batch 118/248, train_loss: 0.9394, step time: 0.3477
Batch 119/248, train_loss: 0.4787, step time: 0.3632
Batch 120/248, train_loss: 0.4735, step time: 0.3574
Batch 121/248, train_loss: 0.8375, step time: 0.3740
Batch 122/248, train_loss: 0.8844, step time: 0.3695
Batch 123/248, train_loss: 0.1078, step time: 0.3635
Batch 124/248, train_loss: 0.9109, step time: 0.3646
Batch 125/248, train_loss: 0.9802, step time: 0.3459
Batch 126/248, train_loss: 0.3077, step time: 0.3674
Batch 127/248, train_loss: 0.3213, step time: 0.3496
Batch 128/248, train_loss: 0.7343, step time: 0.3607
Batch 129/248, train_loss: 0.1541, step time: 0.3768
Batch 130/248, train_loss: 0.2029, step time: 0.3739
Batch 131/248, train_loss: 0.9178, step time: 0.3427
Batch 132/248, train_loss: 0.8420, step time: 0.3603
Batch 133/248, train_loss: 0.2144, step time: 0.3666
Batch 134/248, train_loss: 0.9998, step time: 0.3534
Batch 135/248, train_loss: 0.9261, step time: 0.3601
Batch 136/248, train_loss: 0.5048, step time: 0.3723
Batch 137/248, train_loss: 0.1799, step time: 0.3727
Batch 138/248, train_loss: 0.1294, step time: 0.3887
Batch 139/248, train_loss: 0.2388, step time: 0.3458
Batch 140/248, train_loss: 0.5336, step time: 0.3546
Batch 141/248, train_loss: 0.2481, step time: 0.3655
Batch 142/248, train_loss: 0.9909, step time: 0.3439
Batch 143/248, train_loss: 0.6509, step time: 0.3448
Batch 144/248, train_loss: 0.1725, step time: 0.3487
Batch 145/248, train_loss: 0.1239, step time: 0.3763
Batch 146/248, train_loss: 0.9907, step time: 0.3701
Batch 147/248, train_loss: 0.0770, step time: 0.3826
Batch 148/248, train_loss: 0.9558, step time: 0.3491
Batch 149/248, train_loss: 0.3047, step time: 0.3793
Batch 150/248, train_loss: 0.5558, step time: 0.3815
Batch 151/248, train_loss: 0.9077, step time: 0.3474
Batch 152/248, train_loss: 0.0729, step time: 0.3611
Batch 153/248, train_loss: 0.8146, step time: 0.3858
Batch 154/248, train_loss: 0.9555, step time: 0.3587
Batch 155/248, train_loss: 0.2075, step time: 0.3878
Batch 156/248, train_loss: 0.3189, step time: 0.3840
Batch 157/248, train_loss: 0.4084, step time: 0.3656
Batch 158/248, train_loss: 0.9990, step time: 0.3548
Batch 159/248, train_loss: 0.9851, step time: 0.3801

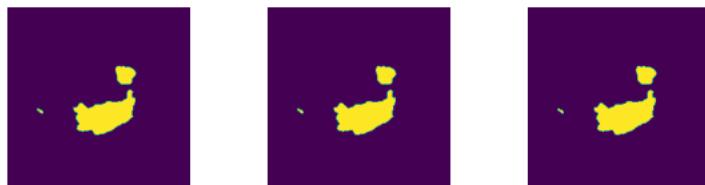
Batch 160/248, train_loss: 0.1380, step time: 0.3809
Batch 161/248, train_loss: 0.1823, step time: 0.3532
Batch 162/248, train_loss: 0.1291, step time: 0.3483
Batch 163/248, train_loss: 0.8721, step time: 0.3437
Batch 164/248, train_loss: 0.3608, step time: 0.3875
Batch 165/248, train_loss: 0.9952, step time: 0.3646
Batch 166/248, train_loss: 0.7061, step time: 0.3610
Batch 167/248, train_loss: 0.4441, step time: 0.3545
Batch 168/248, train_loss: 0.3486, step time: 0.3515
Batch 169/248, train_loss: 0.1848, step time: 0.3548
Batch 170/248, train_loss: 0.9768, step time: 0.3560
Batch 171/248, train_loss: 0.1162, step time: 0.3840
Batch 172/248, train_loss: 0.9965, step time: 0.3432
Batch 173/248, train_loss: 0.1455, step time: 0.3880
Batch 174/248, train_loss: 0.9505, step time: 0.3670
Batch 175/248, train_loss: 0.1939, step time: 0.3888
Batch 176/248, train_loss: 0.5443, step time: 0.3444
Batch 177/248, train_loss: 0.9796, step time: 0.3794
Batch 178/248, train_loss: 0.3026, step time: 0.3452
Batch 179/248, train_loss: 0.1261, step time: 0.3593
Batch 180/248, train_loss: 0.4529, step time: 0.3552
Batch 181/248, train_loss: 0.1845, step time: 0.3644
Batch 182/248, train_loss: 0.9231, step time: 0.3850
Batch 183/248, train_loss: 0.2443, step time: 0.3681
Batch 184/248, train_loss: 0.7963, step time: 0.3481
Batch 185/248, train_loss: 0.2479, step time: 0.3631
Batch 186/248, train_loss: 0.1288, step time: 0.3844
Batch 187/248, train_loss: 0.2652, step time: 0.3461
Batch 188/248, train_loss: 0.3834, step time: 0.3820
Batch 189/248, train_loss: 0.9950, step time: 0.3458
Batch 190/248, train_loss: 0.2696, step time: 0.3733
Batch 191/248, train_loss: 0.9938, step time: 0.3576
Batch 192/248, train_loss: 0.3519, step time: 0.3760
Batch 193/248, train_loss: 0.6946, step time: 0.3451
Batch 194/248, train_loss: 0.3891, step time: 0.3724
Batch 195/248, train_loss: 0.9994, step time: 0.3539
Batch 196/248, train_loss: 0.9999, step time: 0.3565
Batch 197/248, train_loss: 0.6263, step time: 0.3636
Batch 198/248, train_loss: 0.9999, step time: 0.3849
Batch 199/248, train_loss: 0.3321, step time: 0.3463
Batch 200/248, train_loss: 0.2543, step time: 0.3842
Batch 201/248, train_loss: 0.1862, step time: 0.3477
Batch 202/248, train_loss: 0.6539, step time: 0.3721
Batch 203/248, train_loss: 0.9820, step time: 0.3506
Batch 204/248, train_loss: 0.1516, step time: 0.3873
Batch 205/248, train_loss: 0.8022, step time: 0.3496
Batch 206/248, train_loss: 0.9813, step time: 0.3763
Batch 207/248, train_loss: 0.1375, step time: 0.3455
Batch 208/248, train_loss: 0.3055, step time: 0.3564
Batch 209/248, train_loss: 0.2377, step time: 0.3770
Batch 210/248, train_loss: 0.1218, step time: 0.3476
Batch 211/248, train_loss: 0.1264, step time: 0.3521
Batch 212/248, train_loss: 0.5487, step time: 0.3446
Batch 213/248, train_loss: 0.4573, step time: 0.3896
Batch 214/248, train_loss: 0.1524, step time: 0.3457
Batch 215/248, train_loss: 0.6512, step time: 0.3852
Batch 216/248, train_loss: 0.2422, step time: 0.3551
Batch 217/248, train_loss: 0.8484, step time: 0.3553
Batch 218/248, train_loss: 0.9991, step time: 0.3892
Batch 219/248, train_loss: 0.1049, step time: 0.3659
Batch 220/248, train_loss: 0.6233, step time: 0.3748
Batch 221/248, train_loss: 0.6336, step time: 0.3885
Batch 222/248, train_loss: 0.2330, step time: 0.3826
Batch 223/248, train_loss: 0.0867, step time: 0.3806
Batch 224/248, train_loss: 0.1393, step time: 0.3599
Batch 225/248, train_loss: 0.9573, step time: 0.3872
Batch 226/248, train_loss: 0.8143, step time: 0.3441
Batch 227/248, train_loss: 0.2468, step time: 0.3466
Batch 228/248, train_loss: 0.5980, step time: 0.3460
Batch 229/248, train_loss: 0.1728, step time: 0.3664
Batch 230/248, train_loss: 0.1656, step time: 0.3670
Batch 231/248, train_loss: 0.9973, step time: 0.3874
Batch 232/248, train_loss: 0.1364, step time: 0.3501
Batch 233/248, train_loss: 0.9998, step time: 0.3843
Batch 234/248, train_loss: 0.9736, step time: 0.3660
Batch 235/248, train_loss: 0.9286, step time: 0.3636
Batch 236/248, train_loss: 0.9988, step time: 0.3442
Batch 237/248, train_loss: 0.2235, step time: 0.3522
Batch 238/248, train_loss: 0.1558, step time: 0.3828
Batch 239/248, train_loss: 0.0867, step time: 0.3529
Batch 240/248, train_loss: 0.5384, step time: 0.3456
Batch 241/248, train_loss: 0.9999, step time: 0.3734
Batch 242/248, train_loss: 0.7246, step time: 0.3845
Batch 243/248, train_loss: 0.9961, step time: 0.3675
Batch 244/248, train_loss: 0.9971, step time: 0.3520

```
Batch 244/248, train_loss: 0.0971, step time: 0.0000  
Batch 245/248, train_loss: 0.1802, step time: 0.3894  
Batch 246/248, train_loss: 0.9978, step time: 0.3769  
Batch 247/248, train_loss: 0.1155, step time: 0.3444  
Batch 248/248, train_loss: 1.0000, step time: 0.3715
```

Labels



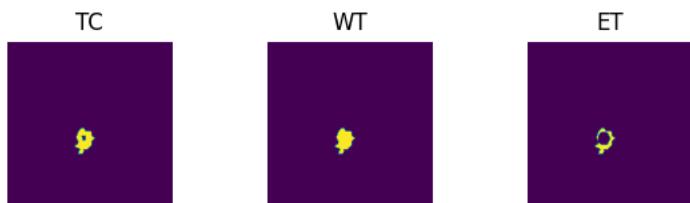
Predictions



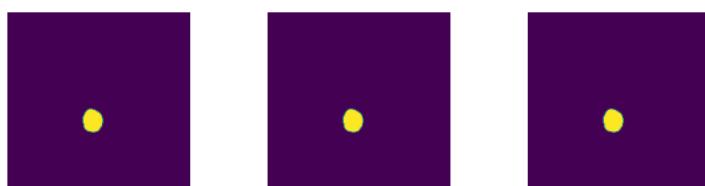
VAL

```
Batch 1/31, val_loss: 0.8791  
Batch 2/31, val_loss: 0.9998  
Batch 3/31, val_loss: 0.9855  
Batch 4/31, val_loss: 0.9886  
Batch 5/31, val_loss: 0.9997  
Batch 6/31, val_loss: 0.5564  
Batch 7/31, val_loss: 0.8585  
Batch 8/31, val_loss: 0.9837  
Batch 9/31, val_loss: 0.7049  
Batch 10/31, val_loss: 0.9623  
Batch 11/31, val_loss: 0.8425  
Batch 12/31, val_loss: 0.9760  
Batch 13/31, val_loss: 0.9816  
Batch 14/31, val_loss: 0.9692  
Batch 15/31, val_loss: 0.9998  
Batch 16/31, val_loss: 0.9876  
Batch 17/31, val_loss: 0.9960  
Batch 18/31, val_loss: 0.9747  
Batch 19/31, val_loss: 0.7780  
Batch 20/31, val_loss: 0.8770  
Batch 21/31, val_loss: 0.9101  
Batch 22/31, val_loss: 0.9980  
Batch 23/31, val_loss: 0.9905  
Batch 24/31, val_loss: 0.3272  
Batch 25/31, val_loss: 0.8205  
Batch 26/31, val_loss: 0.9380  
Batch 27/31, val_loss: 0.9962  
Batch 28/31, val_loss: 0.7743  
Batch 29/31, val_loss: 0.9939  
Batch 30/31, val_loss: 0.9933  
Batch 31/31, val_loss: 0.9909
```

Labels



Predictions



epoch 77

average train loss: 0.5338

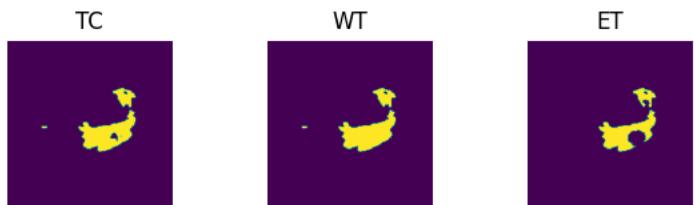
```
average validation loss: 0.9043
saved as best model: False
current mean dice: 0.3309
current TC dice: 0.3480
current WT dice: 0.3552
current ET dice: 0.3204
Best Mean Metric: 0.3309
time consuming of epoch 77 is: 1412.7025
-----
epoch 78/100
TRAIN
Batch 1/248, train_loss: 0.1192, step time: 0.3632
Batch 2/248, train_loss: 0.9988, step time: 0.3539
Batch 3/248, train_loss: 0.8604, step time: 0.3708
Batch 4/248, train_loss: 0.9999, step time: 0.3702
Batch 5/248, train_loss: 0.5677, step time: 0.3819
Batch 6/248, train_loss: 0.7167, step time: 0.3651
Batch 7/248, train_loss: 0.1115, step time: 0.3750
Batch 8/248, train_loss: 0.7513, step time: 0.3511
Batch 9/248, train_loss: 0.0691, step time: 0.3569
Batch 10/248, train_loss: 0.7360, step time: 0.3755
Batch 11/248, train_loss: 0.4895, step time: 0.3524
Batch 12/248, train_loss: 0.9869, step time: 0.3702
Batch 13/248, train_loss: 0.9155, step time: 0.3921
Batch 14/248, train_loss: 0.0770, step time: 0.3634
Batch 15/248, train_loss: 0.7371, step time: 0.3659
Batch 16/248, train_loss: 0.3893, step time: 0.3753
Batch 17/248, train_loss: 0.9726, step time: 0.3859
Batch 18/248, train_loss: 0.9315, step time: 0.3634
Batch 19/248, train_loss: 0.1488, step time: 0.3728
Batch 20/248, train_loss: 0.4810, step time: 0.3522
Batch 21/248, train_loss: 0.0913, step time: 0.3504
Batch 22/248, train_loss: 0.9998, step time: 0.3732
Batch 23/248, train_loss: 1.0000, step time: 0.3706
Batch 24/248, train_loss: 0.1525, step time: 0.3551
Batch 25/248, train_loss: 0.1148, step time: 0.3609
Batch 26/248, train_loss: 0.9605, step time: 0.3770
Batch 27/248, train_loss: 0.0948, step time: 0.3531
Batch 28/248, train_loss: 0.3716, step time: 0.3559
Batch 29/248, train_loss: 0.9698, step time: 0.3844
Batch 30/248, train_loss: 0.4968, step time: 0.3587
Batch 31/248, train_loss: 0.7138, step time: 0.3617
Batch 32/248, train_loss: 0.1343, step time: 0.3864
Batch 33/248, train_loss: 0.1081, step time: 0.3496
Batch 34/248, train_loss: 0.0718, step time: 0.3797
Batch 35/248, train_loss: 0.0992, step time: 0.3781
Batch 36/248, train_loss: 0.9979, step time: 0.3641
Batch 37/248, train_loss: 0.2862, step time: 0.3643
Batch 38/248, train_loss: 0.6413, step time: 0.3855
Batch 39/248, train_loss: 0.2833, step time: 0.3842
Batch 40/248, train_loss: 1.0000, step time: 0.3775
Batch 41/248, train_loss: 0.2533, step time: 0.3498
Batch 42/248, train_loss: 0.1051, step time: 0.3653
Batch 43/248, train_loss: 0.0820, step time: 0.3758
Batch 44/248, train_loss: 0.5308, step time: 0.3849
Batch 45/248, train_loss: 0.8609, step time: 0.3523
Batch 46/248, train_loss: 0.3164, step time: 0.3709
Batch 47/248, train_loss: 0.2661, step time: 0.3698
Batch 48/248, train_loss: 0.3334, step time: 0.3630
Batch 49/248, train_loss: 0.9904, step time: 0.3711
Batch 50/248, train_loss: 0.3896, step time: 0.3516
Batch 51/248, train_loss: 0.5114, step time: 0.3586
Batch 52/248, train_loss: 0.2778, step time: 0.3491
Batch 53/248, train_loss: 0.7890, step time: 0.3708
Batch 54/248, train_loss: 0.4201, step time: 0.3481
Batch 55/248, train_loss: 0.7629, step time: 0.3448
Batch 56/248, train_loss: 0.5103, step time: 0.3479
Batch 57/248, train_loss: 0.4619, step time: 0.3780
Batch 58/248, train_loss: 0.1299, step time: 0.3485
Batch 59/248, train_loss: 0.1897, step time: 0.3555
Batch 60/248, train_loss: 0.1370, step time: 0.3460
Batch 61/248, train_loss: 0.2209, step time: 0.3705
Batch 62/248, train_loss: 0.7305, step time: 0.3705
Batch 63/248, train_loss: 0.9730, step time: 0.3774
Batch 64/248, train_loss: 0.9535, step time: 0.3630
Batch 65/248, train_loss: 0.5668, step time: 0.3641
Batch 66/248, train_loss: 0.3748, step time: 0.3651
Batch 67/248, train_loss: 0.1572, step time: 0.3589
Batch 68/248, train_loss: 0.1595, step time: 0.3443
Batch 69/248, train_loss: 0.9998, step time: 0.3620
Batch 70/248, train_loss: 0.2291, step time: 0.3593
Batch 71/248, train_loss: 0.2677, step time: 0.3698
Batch 72/248, train_loss: 0.1152, step time: 0.3853
Batch 73/248, train_loss: 0.2654, step time: 0.3572
Batch 74/248, train_loss: 0.9940, step time: 0.3531
```

--
Batch 75/248, train_loss: 0.2494, step time: 0.3510
Batch 76/248, train_loss: 0.9819, step time: 0.3664
Batch 77/248, train_loss: 0.9995, step time: 0.3734
Batch 78/248, train_loss: 0.2923, step time: 0.3758
Batch 79/248, train_loss: 0.3412, step time: 0.3509
Batch 80/248, train_loss: 0.6500, step time: 0.3496
Batch 81/248, train_loss: 0.6523, step time: 0.3847
Batch 82/248, train_loss: 0.1638, step time: 0.3830
Batch 83/248, train_loss: 0.9600, step time: 0.3459
Batch 84/248, train_loss: 0.5035, step time: 0.3470
Batch 85/248, train_loss: 0.9567, step time: 0.3631
Batch 86/248, train_loss: 0.3304, step time: 0.3723
Batch 87/248, train_loss: 0.9948, step time: 0.3657
Batch 88/248, train_loss: 0.9522, step time: 0.3606
Batch 89/248, train_loss: 0.1709, step time: 0.3831
Batch 90/248, train_loss: 0.4913, step time: 0.3568
Batch 91/248, train_loss: 0.9610, step time: 0.3452
Batch 92/248, train_loss: 0.5230, step time: 0.3744
Batch 93/248, train_loss: 0.2235, step time: 0.3441
Batch 94/248, train_loss: 0.9485, step time: 0.3896
Batch 95/248, train_loss: 0.2569, step time: 0.3848
Batch 96/248, train_loss: 0.2898, step time: 0.3554
Batch 97/248, train_loss: 1.0000, step time: 0.3852
Batch 98/248, train_loss: 0.1783, step time: 0.3816
Batch 99/248, train_loss: 0.9117, step time: 0.3615
Batch 100/248, train_loss: 0.9880, step time: 0.3548
Batch 101/248, train_loss: 0.0724, step time: 0.3514
Batch 102/248, train_loss: 0.2826, step time: 0.3512
Batch 103/248, train_loss: 0.9605, step time: 0.3814
Batch 104/248, train_loss: 0.3784, step time: 0.3890
Batch 105/248, train_loss: 0.1365, step time: 0.3863
Batch 106/248, train_loss: 0.5192, step time: 0.3762
Batch 107/248, train_loss: 0.8932, step time: 0.3890
Batch 108/248, train_loss: 0.9716, step time: 0.3769
Batch 109/248, train_loss: 0.9950, step time: 0.3864
Batch 110/248, train_loss: 0.6170, step time: 0.3726
Batch 111/248, train_loss: 0.1696, step time: 0.3444
Batch 112/248, train_loss: 0.2811, step time: 0.3808
Batch 113/248, train_loss: 0.9997, step time: 0.3545
Batch 114/248, train_loss: 0.2378, step time: 0.3686
Batch 115/248, train_loss: 0.2700, step time: 0.3589
Batch 116/248, train_loss: 0.1161, step time: 0.3659
Batch 117/248, train_loss: 0.9806, step time: 0.3844
Batch 118/248, train_loss: 0.9439, step time: 0.3804
Batch 119/248, train_loss: 0.4509, step time: 0.3573
Batch 120/248, train_loss: 0.4098, step time: 0.3571
Batch 121/248, train_loss: 0.7670, step time: 0.3532
Batch 122/248, train_loss: 0.8700, step time: 0.3717
Batch 123/248, train_loss: 0.1243, step time: 0.3834
Batch 124/248, train_loss: 0.8319, step time: 0.3447
Batch 125/248, train_loss: 0.9745, step time: 0.3820
Batch 126/248, train_loss: 0.2757, step time: 0.3870
Batch 127/248, train_loss: 0.2683, step time: 0.3505
Batch 128/248, train_loss: 0.6858, step time: 0.3510
Batch 129/248, train_loss: 0.1548, step time: 0.3706
Batch 130/248, train_loss: 0.1783, step time: 0.3467
Batch 131/248, train_loss: 0.8737, step time: 0.3462
Batch 132/248, train_loss: 0.8013, step time: 0.3713
Batch 133/248, train_loss: 0.1945, step time: 0.3677
Batch 134/248, train_loss: 0.9995, step time: 0.3473
Batch 135/248, train_loss: 0.9373, step time: 0.3576
Batch 136/248, train_loss: 0.4145, step time: 0.3613
Batch 137/248, train_loss: 0.1750, step time: 0.3543
Batch 138/248, train_loss: 0.1285, step time: 0.3593
Batch 139/248, train_loss: 0.2961, step time: 0.3448
Batch 140/248, train_loss: 0.4442, step time: 0.3737
Batch 141/248, train_loss: 0.2558, step time: 0.3833
Batch 142/248, train_loss: 0.9833, step time: 0.3677
Batch 143/248, train_loss: 0.5718, step time: 0.3611
Batch 144/248, train_loss: 0.1850, step time: 0.3574
Batch 145/248, train_loss: 0.1037, step time: 0.3854
Batch 146/248, train_loss: 0.9686, step time: 0.3430
Batch 147/248, train_loss: 0.0738, step time: 0.3858
Batch 148/248, train_loss: 0.9393, step time: 0.3818
Batch 149/248, train_loss: 0.2802, step time: 0.3890
Batch 150/248, train_loss: 0.6136, step time: 0.3668
Batch 151/248, train_loss: 0.9151, step time: 0.3904
Batch 152/248, train_loss: 0.0914, step time: 0.3447
Batch 153/248, train_loss: 0.8362, step time: 0.3446
Batch 154/248, train_loss: 0.9612, step time: 0.3870
Batch 155/248, train_loss: 0.2665, step time: 0.3882
Batch 156/248, train_loss: 0.2970, step time: 0.3477
Batch 157/248, train_loss: 0.4049, step time: 0.3585
Batch 158/248, train_loss: 0.9992, step time: 0.3725
Batch 159/248, train_loss: 0.0052, step time: 0.3626

Batch 1/248, train_loss: 0.9993, step time: 0.3480
Batch 10/248, train_loss: 0.1453, step time: 0.3498
Batch 11/248, train_loss: 0.1317, step time: 0.3466
Batch 12/248, train_loss: 0.1175, step time: 0.3574
Batch 13/248, train_loss: 0.8288, step time: 0.3511
Batch 14/248, train_loss: 0.3753, step time: 0.3497
Batch 15/248, train_loss: 0.9979, step time: 0.3907
Batch 16/248, train_loss: 0.6493, step time: 0.3548
Batch 17/248, train_loss: 0.3711, step time: 0.3440
Batch 18/248, train_loss: 0.3501, step time: 0.3561
Batch 19/248, train_loss: 0.1849, step time: 0.3873
Batch 20/248, train_loss: 0.9660, step time: 0.3818
Batch 21/248, train_loss: 0.1327, step time: 0.3568
Batch 22/248, train_loss: 0.9994, step time: 0.3644
Batch 23/248, train_loss: 0.1196, step time: 0.3645
Batch 24/248, train_loss: 0.9571, step time: 0.3593
Batch 25/248, train_loss: 0.2304, step time: 0.3464
Batch 26/248, train_loss: 0.5338, step time: 0.3461
Batch 27/248, train_loss: 0.9864, step time: 0.3455
Batch 28/248, train_loss: 0.2915, step time: 0.3459
Batch 29/248, train_loss: 0.1256, step time: 0.3676
Batch 30/248, train_loss: 0.4446, step time: 0.3591
Batch 31/248, train_loss: 0.1712, step time: 0.3498
Batch 32/248, train_loss: 0.9252, step time: 0.3731
Batch 33/248, train_loss: 0.2612, step time: 0.3548
Batch 34/248, train_loss: 0.8347, step time: 0.3733
Batch 35/248, train_loss: 0.2832, step time: 0.3862
Batch 36/248, train_loss: 0.1446, step time: 0.3854
Batch 37/248, train_loss: 0.2861, step time: 0.3711
Batch 38/248, train_loss: 0.3667, step time: 0.3473
Batch 39/248, train_loss: 0.9966, step time: 0.3833
Batch 40/248, train_loss: 0.2517, step time: 0.3478
Batch 41/248, train_loss: 0.9867, step time: 0.3676
Batch 42/248, train_loss: 0.3611, step time: 0.3448
Batch 43/248, train_loss: 0.6189, step time: 0.3598
Batch 44/248, train_loss: 0.3021, step time: 0.3844
Batch 45/248, train_loss: 0.9921, step time: 0.3652
Batch 46/248, train_loss: 0.9996, step time: 0.3505
Batch 47/248, train_loss: 0.5832, step time: 0.3829
Batch 48/248, train_loss: 1.0000, step time: 0.3739
Batch 49/248, train_loss: 0.3028, step time: 0.3829
Batch 50/248, train_loss: 0.2606, step time: 0.3670
Batch 51/248, train_loss: 0.1840, step time: 0.3458
Batch 52/248, train_loss: 0.6337, step time: 0.3462
Batch 53/248, train_loss: 0.9665, step time: 0.3471
Batch 54/248, train_loss: 0.1368, step time: 0.3463
Batch 55/248, train_loss: 0.7848, step time: 0.3684
Batch 56/248, train_loss: 0.9778, step time: 0.3627
Batch 57/248, train_loss: 0.1275, step time: 0.3581
Batch 58/248, train_loss: 0.2929, step time: 0.3659
Batch 59/248, train_loss: 0.2578, step time: 0.3589
Batch 60/248, train_loss: 0.1385, step time: 0.3550
Batch 61/248, train_loss: 0.1375, step time: 0.3742
Batch 62/248, train_loss: 0.4559, step time: 0.3541
Batch 63/248, train_loss: 0.3823, step time: 0.3632
Batch 64/248, train_loss: 0.1491, step time: 0.3816
Batch 65/248, train_loss: 0.5817, step time: 0.3466
Batch 66/248, train_loss: 0.2690, step time: 0.3696
Batch 67/248, train_loss: 0.7593, step time: 0.3454
Batch 68/248, train_loss: 0.9995, step time: 0.3842
Batch 69/248, train_loss: 0.1018, step time: 0.3865
Batch 70/248, train_loss: 0.5678, step time: 0.3476
Batch 71/248, train_loss: 0.5803, step time: 0.3851
Batch 72/248, train_loss: 0.2319, step time: 0.3915
Batch 73/248, train_loss: 0.0786, step time: 0.3638
Batch 74/248, train_loss: 0.1387, step time: 0.3636
Batch 75/248, train_loss: 0.9391, step time: 0.3441
Batch 76/248, train_loss: 0.7396, step time: 0.3703
Batch 77/248, train_loss: 0.2125, step time: 0.3593
Batch 78/248, train_loss: 0.5513, step time: 0.3883
Batch 79/248, train_loss: 0.1619, step time: 0.3562
Batch 80/248, train_loss: 0.1598, step time: 0.3566
Batch 81/248, train_loss: 0.9984, step time: 0.3788
Batch 82/248, train_loss: 0.1203, step time: 0.3465
Batch 83/248, train_loss: 0.9995, step time: 0.3527
Batch 84/248, train_loss: 0.9754, step time: 0.3578
Batch 85/248, train_loss: 0.9254, step time: 0.3437
Batch 86/248, train_loss: 0.9991, step time: 0.3441
Batch 87/248, train_loss: 0.2256, step time: 0.3573
Batch 88/248, train_loss: 0.1662, step time: 0.3606
Batch 89/248, train_loss: 0.0881, step time: 0.3619
Batch 90/248, train_loss: 0.5533, step time: 0.3452
Batch 91/248, train_loss: 1.0000, step time: 0.3464
Batch 92/248, train_loss: 0.6815, step time: 0.3847
Batch 93/248, train_loss: 0.9973, step time: 0.3482

```
Batch 244/248, train_loss: 0.9231, step time: 0.3543  
Batch 245/248, train_loss: 0.1591, step time: 0.3606  
Batch 246/248, train_loss: 0.9888, step time: 0.3574  
Batch 247/248, train_loss: 0.1166, step time: 0.3488  
Batch 248/248, train_loss: 1.0000, step time: 0.3721
```

Labels



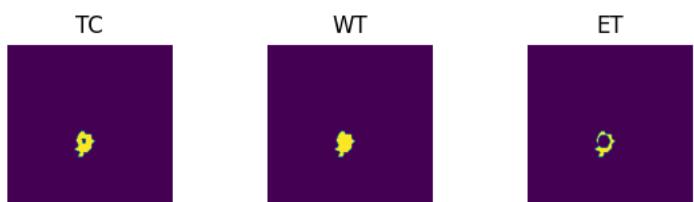
Predictions



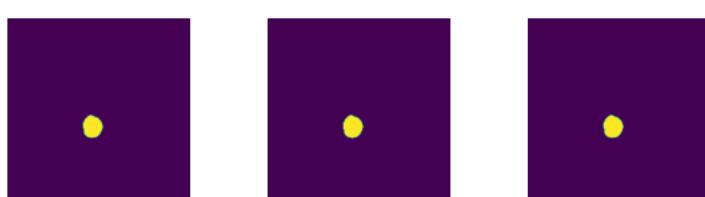
VAL

```
Batch 1/31, val_loss: 0.8766  
Batch 2/31, val_loss: 0.9988  
Batch 3/31, val_loss: 0.9943  
Batch 4/31, val_loss: 0.9863  
Batch 5/31, val_loss: 0.9997  
Batch 6/31, val_loss: 0.5592  
Batch 7/31, val_loss: 0.8596  
Batch 8/31, val_loss: 0.9851  
Batch 9/31, val_loss: 0.6883  
Batch 10/31, val_loss: 0.9620  
Batch 11/31, val_loss: 0.8519  
Batch 12/31, val_loss: 0.9798  
Batch 13/31, val_loss: 0.9774  
Batch 14/31, val_loss: 0.9705  
Batch 15/31, val_loss: 0.9999  
Batch 16/31, val_loss: 0.9893  
Batch 17/31, val_loss: 0.9954  
Batch 18/31, val_loss: 0.9761  
Batch 19/31, val_loss: 0.7917  
Batch 20/31, val_loss: 0.8955  
Batch 21/31, val_loss: 0.9111  
Batch 22/31, val_loss: 0.9995  
Batch 23/31, val_loss: 0.9958  
Batch 24/31, val_loss: 0.3410  
Batch 25/31, val_loss: 0.8250  
Batch 26/31, val_loss: 0.9362  
Batch 27/31, val_loss: 0.9941  
Batch 28/31, val_loss: 0.7766  
Batch 29/31, val_loss: 0.9940  
Batch 30/31, val_loss: 0.9927  
Batch 31/31, val_loss: 0.9892
```

Labels



Predictions



epoch 78

average train loss: 0.5257

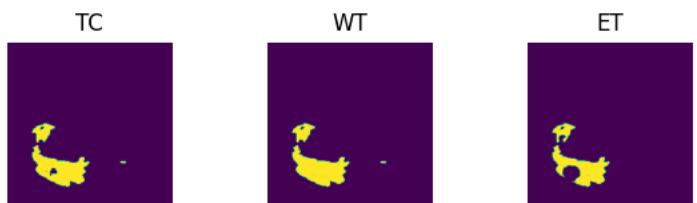
```
average validation loss: 0.9062
saved as best model: True
current mean dice: 0.3406
current TC dice: 0.3588
current WT dice: 0.3661
current ET dice: 0.3286
Best Mean Metric: 0.3406
time consuming of epoch 78 is: 1414.6981
-----
epoch 79/100
TRAIN
Batch 1/248, train_loss: 0.1151, step time: 0.3870
Batch 2/248, train_loss: 0.9992, step time: 0.3418
Batch 3/248, train_loss: 0.8452, step time: 0.3875
Batch 4/248, train_loss: 1.0000, step time: 0.3431
Batch 5/248, train_loss: 0.5960, step time: 0.3877
Batch 6/248, train_loss: 0.6652, step time: 0.3706
Batch 7/248, train_loss: 0.1189, step time: 0.3705
Batch 8/248, train_loss: 0.7375, step time: 0.3453
Batch 9/248, train_loss: 0.0701, step time: 0.3696
Batch 10/248, train_loss: 0.6956, step time: 0.3446
Batch 11/248, train_loss: 0.4199, step time: 0.3477
Batch 12/248, train_loss: 0.9971, step time: 0.3881
Batch 13/248, train_loss: 0.8580, step time: 0.3615
Batch 14/248, train_loss: 0.0901, step time: 0.3785
Batch 15/248, train_loss: 0.6921, step time: 0.3802
Batch 16/248, train_loss: 0.3786, step time: 0.3766
Batch 17/248, train_loss: 0.9670, step time: 0.3468
Batch 18/248, train_loss: 0.9313, step time: 0.3875
Batch 19/248, train_loss: 0.1593, step time: 0.3494
Batch 20/248, train_loss: 0.4615, step time: 0.3426
Batch 21/248, train_loss: 0.0950, step time: 0.3561
Batch 22/248, train_loss: 0.9998, step time: 0.3535
Batch 23/248, train_loss: 0.9999, step time: 0.3631
Batch 24/248, train_loss: 0.1632, step time: 0.3627
Batch 25/248, train_loss: 0.1132, step time: 0.3862
Batch 26/248, train_loss: 0.9394, step time: 0.3594
Batch 27/248, train_loss: 0.1042, step time: 0.3608
Batch 28/248, train_loss: 0.3389, step time: 0.3859
Batch 29/248, train_loss: 0.9636, step time: 0.3852
Batch 30/248, train_loss: 0.9167, step time: 0.3526
Batch 31/248, train_loss: 0.6777, step time: 0.3485
Batch 32/248, train_loss: 0.1531, step time: 0.3456
Batch 33/248, train_loss: 0.1054, step time: 0.3743
Batch 34/248, train_loss: 0.0709, step time: 0.3452
Batch 35/248, train_loss: 0.0873, step time: 0.3889
Batch 36/248, train_loss: 0.9926, step time: 0.3547
Batch 37/248, train_loss: 0.2449, step time: 0.3470
Batch 38/248, train_loss: 0.5991, step time: 0.3600
Batch 39/248, train_loss: 0.2951, step time: 0.3712
Batch 40/248, train_loss: 1.0000, step time: 0.3579
Batch 41/248, train_loss: 0.2889, step time: 0.3574
Batch 42/248, train_loss: 0.1004, step time: 0.3452
Batch 43/248, train_loss: 0.0936, step time: 0.3856
Batch 44/248, train_loss: 0.3056, step time: 0.3543
Batch 45/248, train_loss: 0.6681, step time: 0.3611
Batch 46/248, train_loss: 0.3007, step time: 0.3465
Batch 47/248, train_loss: 0.2355, step time: 0.3507
Batch 48/248, train_loss: 0.3697, step time: 0.3535
Batch 49/248, train_loss: 0.9034, step time: 0.3519
Batch 50/248, train_loss: 0.3278, step time: 0.3789
Batch 51/248, train_loss: 0.3712, step time: 0.3734
Batch 52/248, train_loss: 0.2464, step time: 0.3730
Batch 53/248, train_loss: 0.7781, step time: 0.3899
Batch 54/248, train_loss: 0.4127, step time: 0.3454
Batch 55/248, train_loss: 0.6524, step time: 0.3551
Batch 56/248, train_loss: 0.5277, step time: 0.3473
Batch 57/248, train_loss: 0.5041, step time: 0.3796
Batch 58/248, train_loss: 0.1295, step time: 0.3860
Batch 59/248, train_loss: 0.1531, step time: 0.3468
Batch 60/248, train_loss: 0.1515, step time: 0.3896
Batch 61/248, train_loss: 0.1811, step time: 0.3622
Batch 62/248, train_loss: 0.6896, step time: 0.3806
Batch 63/248, train_loss: 0.9551, step time: 0.3496
Batch 64/248, train_loss: 0.9314, step time: 0.3596
Batch 65/248, train_loss: 0.5379, step time: 0.3443
Batch 66/248, train_loss: 0.3371, step time: 0.3841
Batch 67/248, train_loss: 0.1473, step time: 0.3818
Batch 68/248, train_loss: 0.2508, step time: 0.3454
Batch 69/248, train_loss: 0.9995, step time: 0.3522
Batch 70/248, train_loss: 0.2303, step time: 0.3623
Batch 71/248, train_loss: 0.2138, step time: 0.3507
Batch 72/248, train_loss: 0.1170, step time: 0.3531
Batch 73/248, train_loss: 0.3137, step time: 0.3878
```

Batch 74/248, train_loss: 0.9997, step time: 0.3718
Batch 75/248, train_loss: 0.2262, step time: 0.3885
Batch 76/248, train_loss: 0.9673, step time: 0.3635
Batch 77/248, train_loss: 0.9991, step time: 0.3656
Batch 78/248, train_loss: 0.2692, step time: 0.3833
Batch 79/248, train_loss: 0.3203, step time: 0.3750
Batch 80/248, train_loss: 0.5950, step time: 0.3473
Batch 81/248, train_loss: 0.8426, step time: 0.3782
Batch 82/248, train_loss: 0.1692, step time: 0.3513
Batch 83/248, train_loss: 0.9769, step time: 0.3457
Batch 84/248, train_loss: 0.5260, step time: 0.3803
Batch 85/248, train_loss: 0.9741, step time: 0.3481
Batch 86/248, train_loss: 0.5814, step time: 0.3719
Batch 87/248, train_loss: 0.9679, step time: 0.3711
Batch 88/248, train_loss: 0.9604, step time: 0.3693
Batch 89/248, train_loss: 0.1313, step time: 0.3574
Batch 90/248, train_loss: 0.6682, step time: 0.3727
Batch 91/248, train_loss: 0.9505, step time: 0.3733
Batch 92/248, train_loss: 0.4364, step time: 0.3453
Batch 93/248, train_loss: 0.2503, step time: 0.3490
Batch 94/248, train_loss: 0.9326, step time: 0.3755
Batch 95/248, train_loss: 0.2917, step time: 0.3831
Batch 96/248, train_loss: 0.3230, step time: 0.3754
Batch 97/248, train_loss: 0.9998, step time: 0.3542
Batch 98/248, train_loss: 0.1911, step time: 0.3482
Batch 99/248, train_loss: 0.8808, step time: 0.3937
Batch 100/248, train_loss: 0.9840, step time: 0.3600
Batch 101/248, train_loss: 0.0778, step time: 0.3781
Batch 102/248, train_loss: 0.2489, step time: 0.3677
Batch 103/248, train_loss: 0.9582, step time: 0.3780
Batch 104/248, train_loss: 0.4129, step time: 0.3866
Batch 105/248, train_loss: 0.1391, step time: 0.3615
Batch 106/248, train_loss: 0.4971, step time: 0.3694
Batch 107/248, train_loss: 0.8844, step time: 0.3505
Batch 108/248, train_loss: 0.9311, step time: 0.3780
Batch 109/248, train_loss: 0.9978, step time: 0.3726
Batch 110/248, train_loss: 0.5981, step time: 0.3863
Batch 111/248, train_loss: 0.1540, step time: 0.3831
Batch 112/248, train_loss: 0.2498, step time: 0.3884
Batch 113/248, train_loss: 0.9999, step time: 0.3791
Batch 114/248, train_loss: 0.2281, step time: 0.3747
Batch 115/248, train_loss: 0.2553, step time: 0.3462
Batch 116/248, train_loss: 0.1052, step time: 0.3487
Batch 117/248, train_loss: 0.9772, step time: 0.3477
Batch 118/248, train_loss: 0.8915, step time: 0.3840
Batch 119/248, train_loss: 0.4548, step time: 0.3874
Batch 120/248, train_loss: 0.3775, step time: 0.3502
Batch 121/248, train_loss: 0.7355, step time: 0.3443
Batch 122/248, train_loss: 0.8594, step time: 0.3455
Batch 123/248, train_loss: 0.1273, step time: 0.3640
Batch 124/248, train_loss: 0.8141, step time: 0.3613
Batch 125/248, train_loss: 0.9680, step time: 0.3592
Batch 126/248, train_loss: 0.3243, step time: 0.3464
Batch 127/248, train_loss: 0.2568, step time: 0.3487
Batch 128/248, train_loss: 0.6121, step time: 0.3798
Batch 129/248, train_loss: 0.1430, step time: 0.3629
Batch 130/248, train_loss: 0.1792, step time: 0.3706
Batch 131/248, train_loss: 0.8387, step time: 0.3674
Batch 132/248, train_loss: 0.8285, step time: 0.3543
Batch 133/248, train_loss: 0.2061, step time: 0.3726
Batch 134/248, train_loss: 1.0000, step time: 0.3611
Batch 135/248, train_loss: 0.8793, step time: 0.3815
Batch 136/248, train_loss: 0.3275, step time: 0.3719
Batch 137/248, train_loss: 0.1968, step time: 0.3853
Batch 138/248, train_loss: 0.1179, step time: 0.3874
Batch 139/248, train_loss: 0.2518, step time: 0.3476
Batch 140/248, train_loss: 0.4206, step time: 0.3687
Batch 141/248, train_loss: 0.2565, step time: 0.3611
Batch 142/248, train_loss: 0.9912, step time: 0.3844
Batch 143/248, train_loss: 0.5410, step time: 0.3870
Batch 144/248, train_loss: 0.1762, step time: 0.3635
Batch 145/248, train_loss: 0.0924, step time: 0.3648
Batch 146/248, train_loss: 0.9821, step time: 0.3456
Batch 147/248, train_loss: 0.0774, step time: 0.3808
Batch 148/248, train_loss: 0.9557, step time: 0.3530
Batch 149/248, train_loss: 0.2898, step time: 0.3751
Batch 150/248, train_loss: 0.6357, step time: 0.3634
Batch 151/248, train_loss: 0.9222, step time: 0.3454
Batch 152/248, train_loss: 0.0761, step time: 0.3774
Batch 153/248, train_loss: 0.8129, step time: 0.3909
Batch 154/248, train_loss: 0.9645, step time: 0.3517
Batch 155/248, train_loss: 0.2593, step time: 0.3543
Batch 156/248, train_loss: 0.2585, step time: 0.3578
Batch 157/248, train_loss: 0.3999, step time: 0.3886
Batch 158/248, train_loss: 0.9994, step time: 0.3745

Batch 159/248, train_loss: 0.9835, step time: 0.3492
Batch 160/248, train_loss: 0.1604, step time: 0.3476
Batch 161/248, train_loss: 0.1127, step time: 0.3820
Batch 162/248, train_loss: 0.1264, step time: 0.3522
Batch 163/248, train_loss: 0.8135, step time: 0.3551
Batch 164/248, train_loss: 0.2822, step time: 0.3884
Batch 165/248, train_loss: 0.9991, step time: 0.3444
Batch 166/248, train_loss: 0.5722, step time: 0.3799
Batch 167/248, train_loss: 0.3624, step time: 0.3832
Batch 168/248, train_loss: 0.2950, step time: 0.3652
Batch 169/248, train_loss: 0.1782, step time: 0.3467
Batch 170/248, train_loss: 0.9537, step time: 0.3493
Batch 171/248, train_loss: 0.1233, step time: 0.3453
Batch 172/248, train_loss: 0.9999, step time: 0.3548
Batch 173/248, train_loss: 0.1214, step time: 0.3539
Batch 174/248, train_loss: 0.9973, step time: 0.3710
Batch 175/248, train_loss: 0.2177, step time: 0.3654
Batch 176/248, train_loss: 0.4990, step time: 0.3459
Batch 177/248, train_loss: 0.9888, step time: 0.3476
Batch 178/248, train_loss: 0.3016, step time: 0.3689
Batch 179/248, train_loss: 0.1252, step time: 0.3593
Batch 180/248, train_loss: 0.4457, step time: 0.3911
Batch 181/248, train_loss: 0.1674, step time: 0.3469
Batch 182/248, train_loss: 0.9344, step time: 0.3649
Batch 183/248, train_loss: 0.2619, step time: 0.3558
Batch 184/248, train_loss: 0.7241, step time: 0.3489
Batch 185/248, train_loss: 0.2533, step time: 0.3708
Batch 186/248, train_loss: 0.1460, step time: 0.3809
Batch 187/248, train_loss: 0.2587, step time: 0.3770
Batch 188/248, train_loss: 0.3681, step time: 0.3450
Batch 189/248, train_loss: 0.9980, step time: 0.3905
Batch 190/248, train_loss: 0.2705, step time: 0.3904
Batch 191/248, train_loss: 0.9928, step time: 0.3468
Batch 192/248, train_loss: 0.3831, step time: 0.3744
Batch 193/248, train_loss: 0.5959, step time: 0.3776
Batch 194/248, train_loss: 0.2532, step time: 0.3828
Batch 195/248, train_loss: 0.9974, step time: 0.3825
Batch 196/248, train_loss: 1.0000, step time: 0.3468
Batch 197/248, train_loss: 0.5009, step time: 0.3814
Batch 198/248, train_loss: 0.9999, step time: 0.3517
Batch 199/248, train_loss: 0.2566, step time: 0.3787
Batch 200/248, train_loss: 0.2054, step time: 0.3720
Batch 201/248, train_loss: 0.1749, step time: 0.3683
Batch 202/248, train_loss: 0.6141, step time: 0.3456
Batch 203/248, train_loss: 0.9607, step time: 0.3752
Batch 204/248, train_loss: 0.1428, step time: 0.3649
Batch 205/248, train_loss: 0.7531, step time: 0.3630
Batch 206/248, train_loss: 0.9802, step time: 0.3818
Batch 207/248, train_loss: 0.1257, step time: 0.3877
Batch 208/248, train_loss: 0.2857, step time: 0.3475
Batch 209/248, train_loss: 0.2272, step time: 0.3826
Batch 210/248, train_loss: 0.1073, step time: 0.3609
Batch 211/248, train_loss: 0.1293, step time: 0.3716
Batch 212/248, train_loss: 0.4590, step time: 0.3682
Batch 213/248, train_loss: 0.3385, step time: 0.3736
Batch 214/248, train_loss: 0.1438, step time: 0.3468
Batch 215/248, train_loss: 0.5065, step time: 0.3806
Batch 216/248, train_loss: 0.2806, step time: 0.3594
Batch 217/248, train_loss: 0.7131, step time: 0.3430
Batch 218/248, train_loss: 0.9982, step time: 0.3430
Batch 219/248, train_loss: 0.0992, step time: 0.3436
Batch 220/248, train_loss: 0.4925, step time: 0.3610
Batch 221/248, train_loss: 0.5746, step time: 0.3682
Batch 222/248, train_loss: 0.2494, step time: 0.3587
Batch 223/248, train_loss: 0.0804, step time: 0.3779
Batch 224/248, train_loss: 0.1243, step time: 0.3549
Batch 225/248, train_loss: 0.9310, step time: 0.3724
Batch 226/248, train_loss: 0.6850, step time: 0.3461
Batch 227/248, train_loss: 0.2012, step time: 0.3696
Batch 228/248, train_loss: 0.4873, step time: 0.3674
Batch 229/248, train_loss: 0.1641, step time: 0.3642
Batch 230/248, train_loss: 0.2189, step time: 0.3457
Batch 231/248, train_loss: 0.9969, step time: 0.3463
Batch 232/248, train_loss: 0.1387, step time: 0.3538
Batch 233/248, train_loss: 1.0000, step time: 0.3520
Batch 234/248, train_loss: 0.9532, step time: 0.3580
Batch 235/248, train_loss: 0.9542, step time: 0.3872
Batch 236/248, train_loss: 0.9995, step time: 0.3871
Batch 237/248, train_loss: 0.2313, step time: 0.3827
Batch 238/248, train_loss: 0.1529, step time: 0.3545
Batch 239/248, train_loss: 0.0999, step time: 0.3449
Batch 240/248, train_loss: 0.4610, step time: 0.3469
Batch 241/248, train_loss: 0.9998, step time: 0.3852
Batch 242/248, train_loss: 0.6463, step time: 0.3730
Batch 243/248, train_loss: 0.9939, step time: 0.3808

```
Batch 244/248, train_loss: 0.8897, step time: 0.3596  
Batch 245/248, train_loss: 0.1648, step time: 0.3533  
Batch 246/248, train_loss: 0.9646, step time: 0.3451  
Batch 247/248, train_loss: 0.1200, step time: 0.3771  
Batch 248/248, train_loss: 1.0000, step time: 0.3454
```

Labels



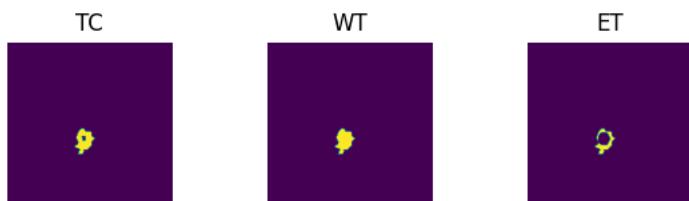
Predictions



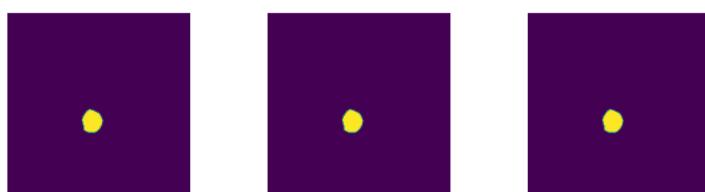
VAL

```
Batch 1/31, val_loss: 0.8690  
Batch 2/31, val_loss: 0.9994  
Batch 3/31, val_loss: 0.9916  
Batch 4/31, val_loss: 0.9860  
Batch 5/31, val_loss: 0.9998  
Batch 6/31, val_loss: 0.3517  
Batch 7/31, val_loss: 0.8575  
Batch 8/31, val_loss: 0.9788  
Batch 9/31, val_loss: 0.5693  
Batch 10/31, val_loss: 0.9552  
Batch 11/31, val_loss: 0.8556  
Batch 12/31, val_loss: 0.9763  
Batch 13/31, val_loss: 0.9776  
Batch 14/31, val_loss: 0.9704  
Batch 15/31, val_loss: 0.9978  
Batch 16/31, val_loss: 0.9907  
Batch 17/31, val_loss: 0.9949  
Batch 18/31, val_loss: 0.9753  
Batch 19/31, val_loss: 0.7511  
Batch 20/31, val_loss: 0.8875  
Batch 21/31, val_loss: 0.9147  
Batch 22/31, val_loss: 0.9974  
Batch 23/31, val_loss: 0.9901  
Batch 24/31, val_loss: 0.1786  
Batch 25/31, val_loss: 0.8121  
Batch 26/31, val_loss: 0.9377  
Batch 27/31, val_loss: 0.9879  
Batch 28/31, val_loss: 0.7700  
Batch 29/31, val_loss: 0.9920  
Batch 30/31, val_loss: 0.9885  
Batch 31/31, val_loss: 0.9886
```

Labels



Predictions



epoch 79

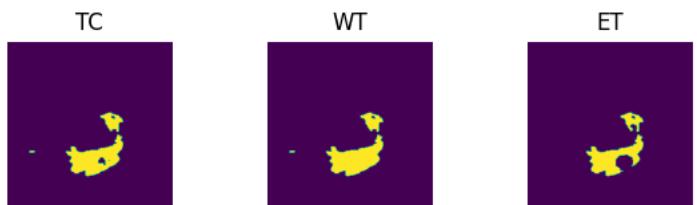
```
average train loss: 0.5160
average validation loss: 0.8869
saved as best model: False
current mean dice: 0.3401
current TC dice: 0.3583
current WT dice: 0.3656
current ET dice: 0.3279
Best Mean Metric: 0.3406
time consuming of epoch 79 is: 1412.0388
-----
epoch 80/100
TRAIN
Batch 1/248, train_loss: 0.1207, step time: 0.3466
Batch 2/248, train_loss: 0.9985, step time: 0.3731
Batch 3/248, train_loss: 0.8297, step time: 0.3595
Batch 4/248, train_loss: 1.0000, step time: 0.3872
Batch 5/248, train_loss: 0.5463, step time: 0.3640
Batch 6/248, train_loss: 0.6762, step time: 0.3747
Batch 7/248, train_loss: 0.1094, step time: 0.3488
Batch 8/248, train_loss: 0.7547, step time: 0.3882
Batch 9/248, train_loss: 0.0669, step time: 0.3646
Batch 10/248, train_loss: 0.6612, step time: 0.3493
Batch 11/248, train_loss: 0.4017, step time: 0.3531
Batch 12/248, train_loss: 0.9805, step time: 0.3663
Batch 13/248, train_loss: 0.8613, step time: 0.3513
Batch 14/248, train_loss: 0.0782, step time: 0.3838
Batch 15/248, train_loss: 0.6689, step time: 0.3461
Batch 16/248, train_loss: 0.3414, step time: 0.3715
Batch 17/248, train_loss: 0.9929, step time: 0.3840
Batch 18/248, train_loss: 0.9315, step time: 0.3865
Batch 19/248, train_loss: 0.1489, step time: 0.3827
Batch 20/248, train_loss: 0.4722, step time: 0.3514
Batch 21/248, train_loss: 0.0841, step time: 0.3758
Batch 22/248, train_loss: 0.9996, step time: 0.3443
Batch 23/248, train_loss: 0.9999, step time: 0.3580
Batch 24/248, train_loss: 0.1516, step time: 0.3487
Batch 25/248, train_loss: 0.1160, step time: 0.3489
Batch 26/248, train_loss: 0.9378, step time: 0.3499
Batch 27/248, train_loss: 0.1044, step time: 0.3588
Batch 28/248, train_loss: 0.3113, step time: 0.3526
Batch 29/248, train_loss: 0.9487, step time: 0.3694
Batch 30/248, train_loss: 0.4369, step time: 0.3818
Batch 31/248, train_loss: 0.6743, step time: 0.3876
Batch 32/248, train_loss: 0.1392, step time: 0.3878
Batch 33/248, train_loss: 0.1095, step time: 0.3640
Batch 34/248, train_loss: 0.0785, step time: 0.3608
Batch 35/248, train_loss: 0.0914, step time: 0.3595
Batch 36/248, train_loss: 0.9949, step time: 0.3442
Batch 37/248, train_loss: 0.2694, step time: 0.3452
Batch 38/248, train_loss: 0.5550, step time: 0.3687
Batch 39/248, train_loss: 0.2845, step time: 0.3576
Batch 40/248, train_loss: 0.9999, step time: 0.3848
Batch 41/248, train_loss: 0.2362, step time: 0.3501
Batch 42/248, train_loss: 0.1009, step time: 0.3607
Batch 43/248, train_loss: 0.0903, step time: 0.3758
Batch 44/248, train_loss: 0.4100, step time: 0.3858
Batch 45/248, train_loss: 0.7389, step time: 0.3499
Batch 46/248, train_loss: 0.2473, step time: 0.3656
Batch 47/248, train_loss: 0.2121, step time: 0.3741
Batch 48/248, train_loss: 0.4032, step time: 0.3858
Batch 49/248, train_loss: 0.8643, step time: 0.3815
Batch 50/248, train_loss: 0.3531, step time: 0.3870
Batch 51/248, train_loss: 0.4641, step time: 0.3508
Batch 52/248, train_loss: 0.2578, step time: 0.3859
Batch 53/248, train_loss: 0.7909, step time: 0.3548
Batch 54/248, train_loss: 0.4151, step time: 0.3874
Batch 55/248, train_loss: 0.7219, step time: 0.3935
Batch 56/248, train_loss: 0.4797, step time: 0.3672
Batch 57/248, train_loss: 0.4626, step time: 0.3820
Batch 58/248, train_loss: 0.1191, step time: 0.3542
Batch 59/248, train_loss: 0.1777, step time: 0.3476
Batch 60/248, train_loss: 0.1417, step time: 0.3618
Batch 61/248, train_loss: 0.1904, step time: 0.3591
Batch 62/248, train_loss: 0.6852, step time: 0.3688
Batch 63/248, train_loss: 0.9677, step time: 0.3438
Batch 64/248, train_loss: 0.9319, step time: 0.3683
Batch 65/248, train_loss: 0.5321, step time: 0.3616
Batch 66/248, train_loss: 0.3485, step time: 0.3457
Batch 67/248, train_loss: 0.1519, step time: 0.3714
Batch 68/248, train_loss: 0.1474, step time: 0.3617
Batch 69/248, train_loss: 0.9991, step time: 0.3758
Batch 70/248, train_loss: 0.2239, step time: 0.3627
Batch 71/248, train_loss: 0.1935, step time: 0.3815
Batch 72/248, train_loss: 0.1023, step time: 0.3501
Batch 73/248, train_loss: 0.2305, step time: 0.3893
```

Batch 74/248, train_loss: 0.9986, step time: 0.3756
Batch 75/248, train_loss: 0.2483, step time: 0.3777
Batch 76/248, train_loss: 0.9993, step time: 0.3585
Batch 77/248, train_loss: 0.9996, step time: 0.3800
Batch 78/248, train_loss: 0.2318, step time: 0.3720
Batch 79/248, train_loss: 0.2715, step time: 0.3729
Batch 80/248, train_loss: 0.4894, step time: 0.3446
Batch 81/248, train_loss: 0.5471, step time: 0.3703
Batch 82/248, train_loss: 0.1625, step time: 0.3621
Batch 83/248, train_loss: 0.9640, step time: 0.3847
Batch 84/248, train_loss: 0.4289, step time: 0.3456
Batch 85/248, train_loss: 0.9930, step time: 0.3538
Batch 86/248, train_loss: 0.2910, step time: 0.3752
Batch 87/248, train_loss: 0.9789, step time: 0.3691
Batch 88/248, train_loss: 0.9930, step time: 0.3841
Batch 89/248, train_loss: 0.1141, step time: 0.3477
Batch 90/248, train_loss: 0.4585, step time: 0.3877
Batch 91/248, train_loss: 0.9679, step time: 0.3679
Batch 92/248, train_loss: 0.4110, step time: 0.3925
Batch 93/248, train_loss: 0.2149, step time: 0.3913
Batch 94/248, train_loss: 0.9412, step time: 0.3473
Batch 95/248, train_loss: 0.2133, step time: 0.3445
Batch 96/248, train_loss: 0.2901, step time: 0.3872
Batch 97/248, train_loss: 1.0000, step time: 0.3552
Batch 98/248, train_loss: 0.1634, step time: 0.3586
Batch 99/248, train_loss: 0.8850, step time: 0.3845
Batch 100/248, train_loss: 0.9655, step time: 0.3848
Batch 101/248, train_loss: 0.0725, step time: 0.3902
Batch 102/248, train_loss: 0.2629, step time: 0.3496
Batch 103/248, train_loss: 0.9710, step time: 0.3676
Batch 104/248, train_loss: 0.3798, step time: 0.3515
Batch 105/248, train_loss: 0.1403, step time: 0.3430
Batch 106/248, train_loss: 0.4326, step time: 0.3801
Batch 107/248, train_loss: 0.8923, step time: 0.3608
Batch 108/248, train_loss: 0.9053, step time: 0.3709
Batch 109/248, train_loss: 0.9958, step time: 0.3493
Batch 110/248, train_loss: 0.6626, step time: 0.3517
Batch 111/248, train_loss: 0.1730, step time: 0.3616
Batch 112/248, train_loss: 0.2614, step time: 0.3770
Batch 113/248, train_loss: 0.9993, step time: 0.3843
Batch 114/248, train_loss: 0.2174, step time: 0.3777
Batch 115/248, train_loss: 0.2734, step time: 0.3623
Batch 116/248, train_loss: 0.1196, step time: 0.3528
Batch 117/248, train_loss: 0.9784, step time: 0.3842
Batch 118/248, train_loss: 0.8908, step time: 0.3506
Batch 119/248, train_loss: 0.4297, step time: 0.3455
Batch 120/248, train_loss: 0.3792, step time: 0.3472
Batch 121/248, train_loss: 0.6633, step time: 0.3476
Batch 122/248, train_loss: 0.8504, step time: 0.3550
Batch 123/248, train_loss: 0.1129, step time: 0.3858
Batch 124/248, train_loss: 0.8375, step time: 0.3444
Batch 125/248, train_loss: 0.9692, step time: 0.3804
Batch 126/248, train_loss: 0.4159, step time: 0.3547
Batch 127/248, train_loss: 0.2296, step time: 0.3597
Batch 128/248, train_loss: 0.5802, step time: 0.3785
Batch 129/248, train_loss: 0.1621, step time: 0.3457
Batch 130/248, train_loss: 0.1568, step time: 0.3539
Batch 131/248, train_loss: 0.8630, step time: 0.3780
Batch 132/248, train_loss: 0.7636, step time: 0.3557
Batch 133/248, train_loss: 0.2121, step time: 0.3803
Batch 134/248, train_loss: 0.9999, step time: 0.3436
Batch 135/248, train_loss: 0.8633, step time: 0.3883
Batch 136/248, train_loss: 0.3055, step time: 0.3683
Batch 137/248, train_loss: 0.2259, step time: 0.3856
Batch 138/248, train_loss: 0.1429, step time: 0.3537
Batch 139/248, train_loss: 0.2065, step time: 0.3857
Batch 140/248, train_loss: 0.4000, step time: 0.3457
Batch 141/248, train_loss: 0.2586, step time: 0.3869
Batch 142/248, train_loss: 0.9962, step time: 0.3827
Batch 143/248, train_loss: 0.5209, step time: 0.3574
Batch 144/248, train_loss: 0.1882, step time: 0.3476
Batch 145/248, train_loss: 0.0962, step time: 0.3805
Batch 146/248, train_loss: 0.9755, step time: 0.3830
Batch 147/248, train_loss: 0.0752, step time: 0.3910
Batch 148/248, train_loss: 0.9594, step time: 0.3893
Batch 149/248, train_loss: 0.2669, step time: 0.3611
Batch 150/248, train_loss: 0.6025, step time: 0.3454
Batch 151/248, train_loss: 0.8980, step time: 0.3457
Batch 152/248, train_loss: 0.0817, step time: 0.3446
Batch 153/248, train_loss: 0.7220, step time: 0.3732
Batch 154/248, train_loss: 0.9532, step time: 0.3486
Batch 155/248, train_loss: 0.2733, step time: 0.3637
Batch 156/248, train_loss: 0.3110, step time: 0.3878
Batch 157/248, train_loss: 0.4105, step time: 0.3497
Batch 158/248, train_loss: 0.9993, step time: 0.3894

Batch 159/248, train_loss: 0.9841, step time: 0.3873
Batch 160/248, train_loss: 0.1530, step time: 0.3705
Batch 161/248, train_loss: 0.1109, step time: 0.3463
Batch 162/248, train_loss: 0.1107, step time: 0.3873
Batch 163/248, train_loss: 0.8404, step time: 0.3677
Batch 164/248, train_loss: 0.2774, step time: 0.3842
Batch 165/248, train_loss: 0.9993, step time: 0.3833
Batch 166/248, train_loss: 0.5324, step time: 0.3455
Batch 167/248, train_loss: 0.3548, step time: 0.3459
Batch 168/248, train_loss: 0.2877, step time: 0.3676
Batch 169/248, train_loss: 0.1823, step time: 0.3864
Batch 170/248, train_loss: 0.9476, step time: 0.3618
Batch 171/248, train_loss: 0.1195, step time: 0.3595
Batch 172/248, train_loss: 0.9993, step time: 0.3615
Batch 173/248, train_loss: 0.1581, step time: 0.3792
Batch 174/248, train_loss: 0.9981, step time: 0.3508
Batch 175/248, train_loss: 0.2296, step time: 0.3669
Batch 176/248, train_loss: 0.5024, step time: 0.3486
Batch 177/248, train_loss: 0.9959, step time: 0.3690
Batch 178/248, train_loss: 0.3821, step time: 0.3844
Batch 179/248, train_loss: 0.1429, step time: 0.3858
Batch 180/248, train_loss: 0.5095, step time: 0.3615
Batch 181/248, train_loss: 0.2054, step time: 0.3875
Batch 182/248, train_loss: 0.9247, step time: 0.3882
Batch 183/248, train_loss: 0.2417, step time: 0.3454
Batch 184/248, train_loss: 0.7270, step time: 0.3850
Batch 185/248, train_loss: 0.1913, step time: 0.3617
Batch 186/248, train_loss: 0.1395, step time: 0.3799
Batch 187/248, train_loss: 0.3239, step time: 0.3481
Batch 188/248, train_loss: 0.3474, step time: 0.3880
Batch 189/248, train_loss: 0.9997, step time: 0.3821
Batch 190/248, train_loss: 0.2970, step time: 0.3781
Batch 191/248, train_loss: 0.9876, step time: 0.3668
Batch 192/248, train_loss: 0.2981, step time: 0.3900
Batch 193/248, train_loss: 0.7195, step time: 0.3696
Batch 194/248, train_loss: 0.3379, step time: 0.3712
Batch 195/248, train_loss: 0.9995, step time: 0.3853
Batch 196/248, train_loss: 1.0000, step time: 0.3846
Batch 197/248, train_loss: 0.5485, step time: 0.3653
Batch 198/248, train_loss: 1.0000, step time: 0.3579
Batch 199/248, train_loss: 0.3067, step time: 0.3631
Batch 200/248, train_loss: 0.1991, step time: 0.3840
Batch 201/248, train_loss: 0.1764, step time: 0.3845
Batch 202/248, train_loss: 0.6483, step time: 0.3492
Batch 203/248, train_loss: 0.9636, step time: 0.3887
Batch 204/248, train_loss: 0.1409, step time: 0.3863
Batch 205/248, train_loss: 0.7754, step time: 0.3575
Batch 206/248, train_loss: 0.9808, step time: 0.3725
Batch 207/248, train_loss: 0.1287, step time: 0.3485
Batch 208/248, train_loss: 0.2832, step time: 0.3649
Batch 209/248, train_loss: 0.2893, step time: 0.3533
Batch 210/248, train_loss: 0.1101, step time: 0.3615
Batch 211/248, train_loss: 0.1320, step time: 0.3860
Batch 212/248, train_loss: 0.4802, step time: 0.3717
Batch 213/248, train_loss: 0.3147, step time: 0.3749
Batch 214/248, train_loss: 0.1485, step time: 0.3785
Batch 215/248, train_loss: 0.5652, step time: 0.3434
Batch 216/248, train_loss: 0.2533, step time: 0.3618
Batch 217/248, train_loss: 0.8035, step time: 0.3444
Batch 218/248, train_loss: 0.9980, step time: 0.3462
Batch 219/248, train_loss: 0.1261, step time: 0.3840
Batch 220/248, train_loss: 0.4924, step time: 0.3892
Batch 221/248, train_loss: 0.5457, step time: 0.3556
Batch 222/248, train_loss: 0.2328, step time: 0.3545
Batch 223/248, train_loss: 0.0798, step time: 0.3739
Batch 224/248, train_loss: 0.1441, step time: 0.3827
Batch 225/248, train_loss: 0.9267, step time: 0.3651
Batch 226/248, train_loss: 0.6928, step time: 0.3815
Batch 227/248, train_loss: 0.2227, step time: 0.3495
Batch 228/248, train_loss: 0.5067, step time: 0.3829
Batch 229/248, train_loss: 0.1741, step time: 0.3788
Batch 230/248, train_loss: 0.2371, step time: 0.3593
Batch 231/248, train_loss: 0.9992, step time: 0.3801
Batch 232/248, train_loss: 0.1427, step time: 0.3625
Batch 233/248, train_loss: 0.9973, step time: 0.3462
Batch 234/248, train_loss: 0.9320, step time: 0.3853
Batch 235/248, train_loss: 0.9144, step time: 0.3682
Batch 236/248, train_loss: 0.9995, step time: 0.3635
Batch 237/248, train_loss: 0.2239, step time: 0.3808
Batch 238/248, train_loss: 0.1554, step time: 0.3659
Batch 239/248, train_loss: 0.0955, step time: 0.3642
Batch 240/248, train_loss: 0.5213, step time: 0.3451
Batch 241/248, train_loss: 0.9999, step time: 0.3907
Batch 242/248, train_loss: 0.6078, step time: 0.3504
Batch 243/248, train_loss: 0.0051, step time: 0.2725

```
Batch 243/248, train_loss: 0.9999, step time: 0.3534  
Batch 244/248, train_loss: 0.9182, step time: 0.3574  
Batch 245/248, train_loss: 0.2104, step time: 0.3572  
Batch 246/248, train_loss: 0.9711, step time: 0.3446  
Batch 247/248, train_loss: 0.1206, step time: 0.3863  
Batch 248/248, train_loss: 1.0000, step time: 0.3766
```

Labels



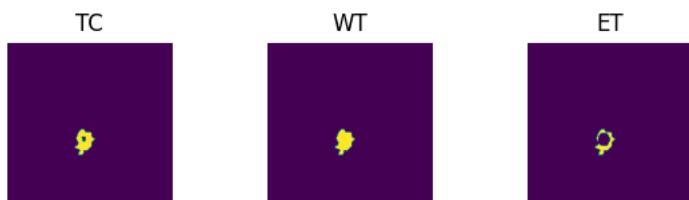
Predictions



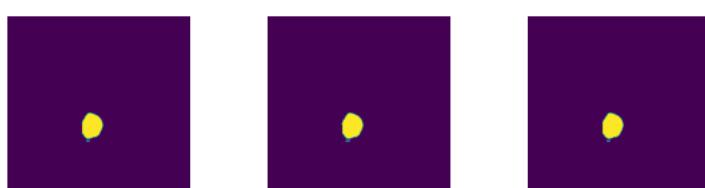
VAL

```
Batch 1/31, val_loss: 0.8418  
Batch 2/31, val_loss: 0.9982  
Batch 3/31, val_loss: 0.9939  
Batch 4/31, val_loss: 0.9833  
Batch 5/31, val_loss: 0.9998  
Batch 6/31, val_loss: 0.2625  
Batch 7/31, val_loss: 0.8463  
Batch 8/31, val_loss: 0.9834  
Batch 9/31, val_loss: 0.4463  
Batch 10/31, val_loss: 0.9612  
Batch 11/31, val_loss: 0.8580  
Batch 12/31, val_loss: 0.9795  
Batch 13/31, val_loss: 0.9814  
Batch 14/31, val_loss: 0.9710  
Batch 15/31, val_loss: 0.9977  
Batch 16/31, val_loss: 0.9905  
Batch 17/31, val_loss: 0.9981  
Batch 18/31, val_loss: 0.9734  
Batch 19/31, val_loss: 0.7240  
Batch 20/31, val_loss: 0.8842  
Batch 21/31, val_loss: 0.9266  
Batch 22/31, val_loss: 0.9989  
Batch 23/31, val_loss: 0.9888  
Batch 24/31, val_loss: 0.0860  
Batch 25/31, val_loss: 0.8061  
Batch 26/31, val_loss: 0.9380  
Batch 27/31, val_loss: 0.9992  
Batch 28/31, val_loss: 0.7646  
Batch 29/31, val_loss: 0.9997  
Batch 30/31, val_loss: 0.9904  
Batch 31/31, val_loss: 0.9881
```

Labels



Predictions



epoch 80

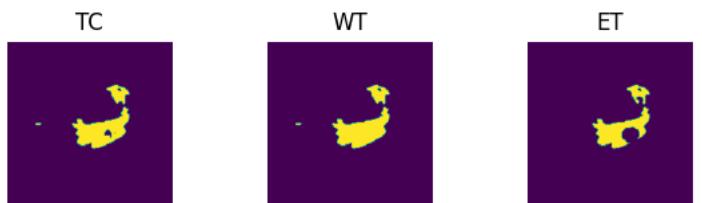
```
average train loss: 0.5102
average validation loss: 0.8762
saved as best model: False
current mean dice: 0.3313
current TC dice: 0.3477
current WT dice: 0.3551
current ET dice: 0.3224
Best Mean Metric: 0.3406
time consuming of epoch 80 is: 1413.4240
-----
epoch 81/100
TRAIN
Batch 1/248, train_loss: 0.1294, step time: 0.3677
Batch 2/248, train_loss: 1.0000, step time: 0.3832
Batch 3/248, train_loss: 0.8324, step time: 0.3646
Batch 4/248, train_loss: 0.9999, step time: 0.3425
Batch 5/248, train_loss: 0.5063, step time: 0.3721
Batch 6/248, train_loss: 0.6812, step time: 0.3596
Batch 7/248, train_loss: 0.1175, step time: 0.3605
Batch 8/248, train_loss: 0.7534, step time: 0.3807
Batch 9/248, train_loss: 0.0721, step time: 0.3628
Batch 10/248, train_loss: 0.6265, step time: 0.3775
Batch 11/248, train_loss: 0.3559, step time: 0.3497
Batch 12/248, train_loss: 0.9662, step time: 0.3561
Batch 13/248, train_loss: 0.8829, step time: 0.3707
Batch 14/248, train_loss: 0.0807, step time: 0.3551
Batch 15/248, train_loss: 0.6321, step time: 0.3587
Batch 16/248, train_loss: 0.3361, step time: 0.3889
Batch 17/248, train_loss: 0.9536, step time: 0.3575
Batch 18/248, train_loss: 0.9366, step time: 0.3582
Batch 19/248, train_loss: 0.1471, step time: 0.3674
Batch 20/248, train_loss: 0.4104, step time: 0.3669
Batch 21/248, train_loss: 0.0989, step time: 0.3605
Batch 22/248, train_loss: 0.9999, step time: 0.3675
Batch 23/248, train_loss: 0.9999, step time: 0.3656
Batch 24/248, train_loss: 0.1603, step time: 0.3778
Batch 25/248, train_loss: 0.1160, step time: 0.3869
Batch 26/248, train_loss: 0.9429, step time: 0.3458
Batch 27/248, train_loss: 0.1082, step time: 0.3787
Batch 28/248, train_loss: 0.3141, step time: 0.3679
Batch 29/248, train_loss: 0.9573, step time: 0.3543
Batch 30/248, train_loss: 0.3803, step time: 0.3875
Batch 31/248, train_loss: 0.5684, step time: 0.3817
Batch 32/248, train_loss: 0.1356, step time: 0.3622
Batch 33/248, train_loss: 0.1046, step time: 0.3889
Batch 34/248, train_loss: 0.0751, step time: 0.3415
Batch 35/248, train_loss: 0.0889, step time: 0.3680
Batch 36/248, train_loss: 0.9969, step time: 0.3607
Batch 37/248, train_loss: 0.2311, step time: 0.3614
Batch 38/248, train_loss: 0.5179, step time: 0.3716
Batch 39/248, train_loss: 0.2708, step time: 0.3477
Batch 40/248, train_loss: 1.0000, step time: 0.3793
Batch 41/248, train_loss: 0.2533, step time: 0.3571
Batch 42/248, train_loss: 0.0979, step time: 0.3502
Batch 43/248, train_loss: 0.0810, step time: 0.3830
Batch 44/248, train_loss: 0.2675, step time: 0.3754
Batch 45/248, train_loss: 0.5964, step time: 0.3677
Batch 46/248, train_loss: 0.2389, step time: 0.3653
Batch 47/248, train_loss: 0.1795, step time: 0.3438
Batch 48/248, train_loss: 0.3028, step time: 0.3548
Batch 49/248, train_loss: 0.8729, step time: 0.3758
Batch 50/248, train_loss: 0.2933, step time: 0.3638
Batch 51/248, train_loss: 0.3189, step time: 0.3704
Batch 52/248, train_loss: 0.2500, step time: 0.3444
Batch 53/248, train_loss: 0.7088, step time: 0.3564
Batch 54/248, train_loss: 0.3428, step time: 0.3830
Batch 55/248, train_loss: 0.5846, step time: 0.3879
Batch 56/248, train_loss: 0.3946, step time: 0.3796
Batch 57/248, train_loss: 0.3956, step time: 0.3675
Batch 58/248, train_loss: 0.1296, step time: 0.3446
Batch 59/248, train_loss: 0.1567, step time: 0.3487
Batch 60/248, train_loss: 0.1303, step time: 0.3639
Batch 61/248, train_loss: 0.2031, step time: 0.3586
Batch 62/248, train_loss: 0.6086, step time: 0.3454
Batch 63/248, train_loss: 0.9494, step time: 0.3697
Batch 64/248, train_loss: 0.8921, step time: 0.3615
Batch 65/248, train_loss: 0.5054, step time: 0.3811
Batch 66/248, train_loss: 0.2922, step time: 0.3577
Batch 67/248, train_loss: 0.1367, step time: 0.3689
Batch 68/248, train_loss: 0.1381, step time: 0.3585
Batch 69/248, train_loss: 0.9928, step time: 0.3666
Batch 70/248, train_loss: 0.2275, step time: 0.3584
Batch 71/248, train_loss: 0.2361, step time: 0.3776
Batch 72/248, train_loss: 0.1006, step time: 0.3723
Batch 73/248, train_loss: 0.2521, step time: 0.3908
```

Batch 74/248, train_loss: 0.9995, step time: 0.3838
Batch 75/248, train_loss: 0.2174, step time: 0.3823
Batch 76/248, train_loss: 0.9390, step time: 0.3544
Batch 77/248, train_loss: 0.9968, step time: 0.3827
Batch 78/248, train_loss: 0.2522, step time: 0.3450
Batch 79/248, train_loss: 0.2264, step time: 0.3597
Batch 80/248, train_loss: 0.4453, step time: 0.3626
Batch 81/248, train_loss: 0.6460, step time: 0.3662
Batch 82/248, train_loss: 0.1677, step time: 0.3513
Batch 83/248, train_loss: 0.9658, step time: 0.3801
Batch 84/248, train_loss: 0.4752, step time: 0.3521
Batch 85/248, train_loss: 0.9763, step time: 0.3513
Batch 86/248, train_loss: 0.3647, step time: 0.3684
Batch 87/248, train_loss: 0.8559, step time: 0.3660
Batch 88/248, train_loss: 0.8488, step time: 0.3709
Batch 89/248, train_loss: 0.1585, step time: 0.3690
Batch 90/248, train_loss: 0.3628, step time: 0.3816
Batch 91/248, train_loss: 0.9392, step time: 0.3797
Batch 92/248, train_loss: 0.4003, step time: 0.3443
Batch 93/248, train_loss: 0.2164, step time: 0.3621
Batch 94/248, train_loss: 0.9028, step time: 0.3503
Batch 95/248, train_loss: 0.2341, step time: 0.3618
Batch 96/248, train_loss: 0.2863, step time: 0.3441
Batch 97/248, train_loss: 0.9998, step time: 0.3720
Batch 98/248, train_loss: 0.1902, step time: 0.3745
Batch 99/248, train_loss: 0.8413, step time: 0.3650
Batch 100/248, train_loss: 0.9684, step time: 0.3606
Batch 101/248, train_loss: 0.0780, step time: 0.3754
Batch 102/248, train_loss: 0.2444, step time: 0.3694
Batch 103/248, train_loss: 0.9533, step time: 0.3659
Batch 104/248, train_loss: 0.3844, step time: 0.3849
Batch 105/248, train_loss: 0.1327, step time: 0.3781
Batch 106/248, train_loss: 0.3830, step time: 0.3513
Batch 107/248, train_loss: 0.8725, step time: 0.3658
Batch 108/248, train_loss: 0.9559, step time: 0.3697
Batch 109/248, train_loss: 0.9930, step time: 0.3469
Batch 110/248, train_loss: 0.5542, step time: 0.3699
Batch 111/248, train_loss: 0.1510, step time: 0.3882
Batch 112/248, train_loss: 0.2695, step time: 0.3703
Batch 113/248, train_loss: 0.9998, step time: 0.3720
Batch 114/248, train_loss: 0.2136, step time: 0.3494
Batch 115/248, train_loss: 0.2203, step time: 0.3489
Batch 116/248, train_loss: 0.1060, step time: 0.3686
Batch 117/248, train_loss: 0.9661, step time: 0.3863
Batch 118/248, train_loss: 0.8974, step time: 0.3664
Batch 119/248, train_loss: 0.4444, step time: 0.3448
Batch 120/248, train_loss: 0.3610, step time: 0.3674
Batch 121/248, train_loss: 0.6376, step time: 0.3498
Batch 122/248, train_loss: 0.8198, step time: 0.3891
Batch 123/248, train_loss: 0.1105, step time: 0.3640
Batch 124/248, train_loss: 0.7407, step time: 0.3642
Batch 125/248, train_loss: 0.9676, step time: 0.3843
Batch 126/248, train_loss: 0.2326, step time: 0.3634
Batch 127/248, train_loss: 0.2768, step time: 0.3641
Batch 128/248, train_loss: 0.6216, step time: 0.3740
Batch 129/248, train_loss: 0.1469, step time: 0.3677
Batch 130/248, train_loss: 0.1673, step time: 0.3445
Batch 131/248, train_loss: 0.8467, step time: 0.3465
Batch 132/248, train_loss: 0.7179, step time: 0.3839
Batch 133/248, train_loss: 0.1677, step time: 0.3428
Batch 134/248, train_loss: 0.9999, step time: 0.3775
Batch 135/248, train_loss: 0.8499, step time: 0.3884
Batch 136/248, train_loss: 0.2675, step time: 0.3500
Batch 137/248, train_loss: 0.1631, step time: 0.3784
Batch 138/248, train_loss: 0.1208, step time: 0.3608
Batch 139/248, train_loss: 0.2249, step time: 0.3766
Batch 140/248, train_loss: 0.3779, step time: 0.3455
Batch 141/248, train_loss: 0.2559, step time: 0.3577
Batch 142/248, train_loss: 0.9992, step time: 0.3522
Batch 143/248, train_loss: 0.4508, step time: 0.3873
Batch 144/248, train_loss: 0.1872, step time: 0.3884
Batch 145/248, train_loss: 0.0855, step time: 0.3826
Batch 146/248, train_loss: 0.9985, step time: 0.3853
Batch 147/248, train_loss: 0.0708, step time: 0.3858
Batch 148/248, train_loss: 0.9579, step time: 0.3642
Batch 149/248, train_loss: 0.2678, step time: 0.3501
Batch 150/248, train_loss: 0.5806, step time: 0.3709
Batch 151/248, train_loss: 0.8770, step time: 0.3584
Batch 152/248, train_loss: 0.0733, step time: 0.3543
Batch 153/248, train_loss: 0.6967, step time: 0.3460
Batch 154/248, train_loss: 0.9423, step time: 0.3464
Batch 155/248, train_loss: 0.1780, step time: 0.3453
Batch 156/248, train_loss: 0.2537, step time: 0.3493
Batch 157/248, train_loss: 0.4062, step time: 0.3450

Batch 158/248, train_loss: 0.9995, step time: 0.3583
Batch 159/248, train_loss: 0.9795, step time: 0.3561
Batch 160/248, train_loss: 0.1489, step time: 0.3577
Batch 161/248, train_loss: 0.1071, step time: 0.3573
Batch 162/248, train_loss: 0.1146, step time: 0.3808
Batch 163/248, train_loss: 0.7456, step time: 0.3861
Batch 164/248, train_loss: 0.2850, step time: 0.3920
Batch 165/248, train_loss: 0.9949, step time: 0.3777
Batch 166/248, train_loss: 0.4868, step time: 0.3513
Batch 167/248, train_loss: 0.3640, step time: 0.3884
Batch 168/248, train_loss: 0.2962, step time: 0.3656
Batch 169/248, train_loss: 0.1828, step time: 0.3737
Batch 170/248, train_loss: 0.9576, step time: 0.3511
Batch 171/248, train_loss: 0.1304, step time: 0.3842
Batch 172/248, train_loss: 1.0000, step time: 0.3826
Batch 173/248, train_loss: 0.1515, step time: 0.3545
Batch 174/248, train_loss: 0.9327, step time: 0.3490
Batch 175/248, train_loss: 0.2065, step time: 0.3452
Batch 176/248, train_loss: 0.4756, step time: 0.3790
Batch 177/248, train_loss: 0.9825, step time: 0.3845
Batch 178/248, train_loss: 0.3195, step time: 0.3413
Batch 179/248, train_loss: 0.1207, step time: 0.3475
Batch 180/248, train_loss: 0.4744, step time: 0.3865
Batch 181/248, train_loss: 0.1657, step time: 0.3787
Batch 182/248, train_loss: 0.9188, step time: 0.3448
Batch 183/248, train_loss: 0.2442, step time: 0.3645
Batch 184/248, train_loss: 0.7630, step time: 0.3574
Batch 185/248, train_loss: 0.1813, step time: 0.3444
Batch 186/248, train_loss: 0.1530, step time: 0.3534
Batch 187/248, train_loss: 0.2651, step time: 0.3439
Batch 188/248, train_loss: 0.3348, step time: 0.3482
Batch 189/248, train_loss: 0.9923, step time: 0.3428
Batch 190/248, train_loss: 0.2807, step time: 0.3851
Batch 191/248, train_loss: 0.9922, step time: 0.3679
Batch 192/248, train_loss: 0.3484, step time: 0.3581
Batch 193/248, train_loss: 0.5282, step time: 0.3911
Batch 194/248, train_loss: 0.2171, step time: 0.3748
Batch 195/248, train_loss: 1.0000, step time: 0.3423
Batch 196/248, train_loss: 1.0000, step time: 0.3504
Batch 197/248, train_loss: 0.4265, step time: 0.3456
Batch 198/248, train_loss: 1.0000, step time: 0.3808
Batch 199/248, train_loss: 0.3191, step time: 0.3813
Batch 200/248, train_loss: 0.1864, step time: 0.3439
Batch 201/248, train_loss: 0.1820, step time: 0.3526
Batch 202/248, train_loss: 0.5806, step time: 0.3646
Batch 203/248, train_loss: 0.9575, step time: 0.3580
Batch 204/248, train_loss: 0.1379, step time: 0.3670
Batch 205/248, train_loss: 0.6851, step time: 0.3605
Batch 206/248, train_loss: 0.9645, step time: 0.3609
Batch 207/248, train_loss: 0.1284, step time: 0.3686
Batch 208/248, train_loss: 0.2686, step time: 0.3709
Batch 209/248, train_loss: 0.2251, step time: 0.3866
Batch 210/248, train_loss: 0.1123, step time: 0.3441
Batch 211/248, train_loss: 0.1305, step time: 0.3731
Batch 212/248, train_loss: 0.3779, step time: 0.3757
Batch 213/248, train_loss: 0.2766, step time: 0.3451
Batch 214/248, train_loss: 0.1424, step time: 0.3471
Batch 215/248, train_loss: 0.4929, step time: 0.3702
Batch 216/248, train_loss: 0.2687, step time: 0.3643
Batch 217/248, train_loss: 0.6930, step time: 0.3463
Batch 218/248, train_loss: 0.9969, step time: 0.3706
Batch 219/248, train_loss: 0.1262, step time: 0.3663
Batch 220/248, train_loss: 0.4705, step time: 0.3739
Batch 221/248, train_loss: 0.5226, step time: 0.3470
Batch 222/248, train_loss: 0.2504, step time: 0.3770
Batch 223/248, train_loss: 0.0827, step time: 0.3668
Batch 224/248, train_loss: 0.1347, step time: 0.3467
Batch 225/248, train_loss: 0.9288, step time: 0.3548
Batch 226/248, train_loss: 0.6142, step time: 0.3661
Batch 227/248, train_loss: 0.2092, step time: 0.3876
Batch 228/248, train_loss: 0.4187, step time: 0.3442
Batch 229/248, train_loss: 0.1558, step time: 0.3445
Batch 230/248, train_loss: 0.2184, step time: 0.3792
Batch 231/248, train_loss: 0.9869, step time: 0.3474
Batch 232/248, train_loss: 0.1428, step time: 0.3597
Batch 233/248, train_loss: 0.9999, step time: 0.3450
Batch 234/248, train_loss: 0.9285, step time: 0.3904
Batch 235/248, train_loss: 0.9165, step time: 0.3486
Batch 236/248, train_loss: 0.9986, step time: 0.3593
Batch 237/248, train_loss: 0.2248, step time: 0.3718
Batch 238/248, train_loss: 0.1286, step time: 0.3563
Batch 239/248, train_loss: 0.0883, step time: 0.3802
Batch 240/248, train_loss: 0.4319, step time: 0.3754
Batch 241/248, train_loss: 0.9999, step time: 0.3808
Batch 242/248, train_loss: 0.5792, step time: 0.3802

```
Batch 243/248, train_loss: 0.9802, step time: 0.3485  
Batch 244/248, train_loss: 0.8773, step time: 0.3503  
Batch 245/248, train_loss: 0.1595, step time: 0.3661  
Batch 246/248, train_loss: 0.9891, step time: 0.3807  
Batch 247/248, train_loss: 0.1131, step time: 0.3439  
Batch 248/248, train_loss: 1.0000, step time: 0.3434
```

Labels



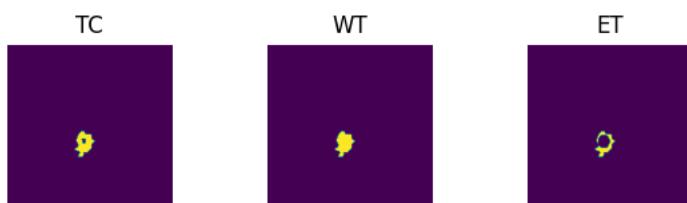
Predictions



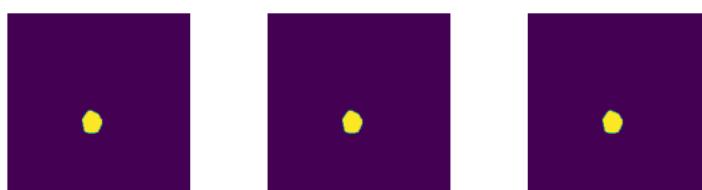
VAL

```
Batch 1/31, val_loss: 0.8587  
Batch 2/31, val_loss: 0.9987  
Batch 3/31, val_loss: 0.9932  
Batch 4/31, val_loss: 0.9834  
Batch 5/31, val_loss: 0.9996  
Batch 6/31, val_loss: 0.2192  
Batch 7/31, val_loss: 0.8366  
Batch 8/31, val_loss: 0.9734  
Batch 9/31, val_loss: 0.3428  
Batch 10/31, val_loss: 0.9372  
Batch 11/31, val_loss: 0.8465  
Batch 12/31, val_loss: 0.9775  
Batch 13/31, val_loss: 0.9758  
Batch 14/31, val_loss: 0.9669  
Batch 15/31, val_loss: 0.9967  
Batch 16/31, val_loss: 0.9894  
Batch 17/31, val_loss: 0.9955  
Batch 18/31, val_loss: 0.9674  
Batch 19/31, val_loss: 0.6626  
Batch 20/31, val_loss: 0.8789  
Batch 21/31, val_loss: 0.9123  
Batch 22/31, val_loss: 0.9993  
Batch 23/31, val_loss: 0.9784  
Batch 24/31, val_loss: 0.0741  
Batch 25/31, val_loss: 0.7851  
Batch 26/31, val_loss: 0.9391  
Batch 27/31, val_loss: 0.9965  
Batch 28/31, val_loss: 0.7602  
Batch 29/31, val_loss: 0.9926  
Batch 30/31, val_loss: 0.9797  
Batch 31/31, val_loss: 0.9871
```

Labels



Predictions



epoch 91

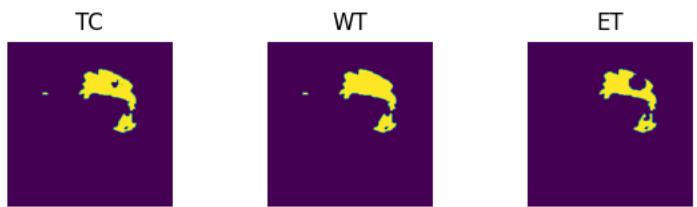
```
epoch 81
    average train loss: 0.4899
    average validation loss: 0.8647
    saved as best model: True
    current mean dice: 0.3546
    current TC dice: 0.3738
    current WT dice: 0.3813
    current ET dice: 0.3415
Best Mean Metric: 0.3546
time consuming of epoch 81 is: 1408.4300
-----
epoch 82/100
TRAIN
    Batch 1/248, train_loss: 0.1271, step time: 0.3763
    Batch 2/248, train_loss: 0.9995, step time: 0.3444
    Batch 3/248, train_loss: 0.8088, step time: 0.3439
    Batch 4/248, train_loss: 1.0000, step time: 0.3433
    Batch 5/248, train_loss: 0.4556, step time: 0.3605
    Batch 6/248, train_loss: 0.6705, step time: 0.3894
    Batch 7/248, train_loss: 0.1147, step time: 0.3505
    Batch 8/248, train_loss: 0.7551, step time: 0.3781
    Batch 9/248, train_loss: 0.0703, step time: 0.3709
    Batch 10/248, train_loss: 0.6051, step time: 0.3570
    Batch 11/248, train_loss: 0.4003, step time: 0.3580
    Batch 12/248, train_loss: 0.9909, step time: 0.3915
    Batch 13/248, train_loss: 0.8208, step time: 0.3480
    Batch 14/248, train_loss: 0.0813, step time: 0.3450
    Batch 15/248, train_loss: 0.5942, step time: 0.3837
    Batch 16/248, train_loss: 0.3008, step time: 0.3830
    Batch 17/248, train_loss: 0.9611, step time: 0.3796
    Batch 18/248, train_loss: 0.8706, step time: 0.3609
    Batch 19/248, train_loss: 0.1699, step time: 0.3825
    Batch 20/248, train_loss: 0.4620, step time: 0.3535
    Batch 21/248, train_loss: 0.0794, step time: 0.3690
    Batch 22/248, train_loss: 0.9994, step time: 0.3660
    Batch 23/248, train_loss: 0.9984, step time: 0.3824
    Batch 24/248, train_loss: 0.1692, step time: 0.3770
    Batch 25/248, train_loss: 0.1161, step time: 0.3621
    Batch 26/248, train_loss: 0.9055, step time: 0.3752
    Batch 27/248, train_loss: 0.0991, step time: 0.3630
    Batch 28/248, train_loss: 0.3012, step time: 0.3710
    Batch 29/248, train_loss: 0.9594, step time: 0.3508
    Batch 30/248, train_loss: 0.3618, step time: 0.3537
    Batch 31/248, train_loss: 0.6325, step time: 0.3848
    Batch 32/248, train_loss: 0.1389, step time: 0.3524
    Batch 33/248, train_loss: 0.1102, step time: 0.3514
    Batch 34/248, train_loss: 0.0731, step time: 0.3522
    Batch 35/248, train_loss: 0.0919, step time: 0.3860
    Batch 36/248, train_loss: 0.9997, step time: 0.3449
    Batch 37/248, train_loss: 0.2624, step time: 0.3812
    Batch 38/248, train_loss: 0.5064, step time: 0.3594
    Batch 39/248, train_loss: 0.2779, step time: 0.3486
    Batch 40/248, train_loss: 0.9995, step time: 0.3584
    Batch 41/248, train_loss: 0.2478, step time: 0.3837
    Batch 42/248, train_loss: 0.1047, step time: 0.3777
    Batch 43/248, train_loss: 0.0918, step time: 0.3507
    Batch 44/248, train_loss: 0.2366, step time: 0.3872
    Batch 45/248, train_loss: 0.5715, step time: 0.3816
    Batch 46/248, train_loss: 0.2412, step time: 0.3646
    Batch 47/248, train_loss: 0.1692, step time: 0.3868
    Batch 48/248, train_loss: 0.2738, step time: 0.3773
    Batch 49/248, train_loss: 0.9022, step time: 0.3452
    Batch 50/248, train_loss: 0.2807, step time: 0.3460
    Batch 51/248, train_loss: 0.3003, step time: 0.3516
    Batch 52/248, train_loss: 0.2290, step time: 0.3697
    Batch 53/248, train_loss: 0.7259, step time: 0.3622
    Batch 54/248, train_loss: 0.3617, step time: 0.3737
    Batch 55/248, train_loss: 0.5879, step time: 0.3747
    Batch 56/248, train_loss: 0.3905, step time: 0.3829
    Batch 57/248, train_loss: 0.4346, step time: 0.3715
    Batch 58/248, train_loss: 0.1278, step time: 0.3432
    Batch 59/248, train_loss: 0.1538, step time: 0.3444
    Batch 60/248, train_loss: 0.1174, step time: 0.3516
    Batch 61/248, train_loss: 0.1814, step time: 0.3608
    Batch 62/248, train_loss: 0.5729, step time: 0.3798
    Batch 63/248, train_loss: 0.9085, step time: 0.3508
    Batch 64/248, train_loss: 0.9044, step time: 0.3852
    Batch 65/248, train_loss: 0.5471, step time: 0.3622
    Batch 66/248, train_loss: 0.2933, step time: 0.3607
    Batch 67/248, train_loss: 0.1444, step time: 0.3692
    Batch 68/248, train_loss: 0.1715, step time: 0.3786
    Batch 69/248, train_loss: 0.9993, step time: 0.3522
    Batch 70/248, train_loss: 0.2213, step time: 0.3553
    Batch 71/248, train_loss: 0.1834, step time: 0.3826
    Batch 72/248, train_loss: 0.1040, step time: 0.3540
    . . . . .
```

Batch 73/248, train_loss: 0.2662, step time: 0.3/26
Batch 74/248, train_loss: 0.9964, step time: 0.3476
Batch 75/248, train_loss: 0.2047, step time: 0.3469
Batch 76/248, train_loss: 0.9600, step time: 0.3784
Batch 77/248, train_loss: 0.9998, step time: 0.3778
Batch 78/248, train_loss: 0.1859, step time: 0.3556
Batch 79/248, train_loss: 0.2261, step time: 0.3737
Batch 80/248, train_loss: 0.4318, step time: 0.3712
Batch 81/248, train_loss: 0.5208, step time: 0.3756
Batch 82/248, train_loss: 0.1529, step time: 0.3858
Batch 83/248, train_loss: 0.9595, step time: 0.3492
Batch 84/248, train_loss: 0.4714, step time: 0.3530
Batch 85/248, train_loss: 0.9719, step time: 0.3658
Batch 86/248, train_loss: 0.3169, step time: 0.3446
Batch 87/248, train_loss: 0.9591, step time: 0.3457
Batch 88/248, train_loss: 0.8493, step time: 0.3702
Batch 89/248, train_loss: 0.1231, step time: 0.3759
Batch 90/248, train_loss: 0.4236, step time: 0.3908
Batch 91/248, train_loss: 0.9377, step time: 0.3800
Batch 92/248, train_loss: 0.4496, step time: 0.3621
Batch 93/248, train_loss: 0.2175, step time: 0.3801
Batch 94/248, train_loss: 0.9022, step time: 0.3821
Batch 95/248, train_loss: 0.2361, step time: 0.3542
Batch 96/248, train_loss: 0.3075, step time: 0.3491
Batch 97/248, train_loss: 0.9983, step time: 0.3907
Batch 98/248, train_loss: 0.2243, step time: 0.3851
Batch 99/248, train_loss: 0.8631, step time: 0.3641
Batch 100/248, train_loss: 0.9750, step time: 0.3797
Batch 101/248, train_loss: 0.0731, step time: 0.3727
Batch 102/248, train_loss: 0.2128, step time: 0.3439
Batch 103/248, train_loss: 0.9217, step time: 0.3842
Batch 104/248, train_loss: 0.3995, step time: 0.3466
Batch 105/248, train_loss: 0.1324, step time: 0.3470
Batch 106/248, train_loss: 0.3440, step time: 0.3841
Batch 107/248, train_loss: 0.8528, step time: 0.3735
Batch 108/248, train_loss: 0.9791, step time: 0.3751
Batch 109/248, train_loss: 0.9839, step time: 0.3546
Batch 110/248, train_loss: 0.5074, step time: 0.3540
Batch 111/248, train_loss: 0.1520, step time: 0.3445
Batch 112/248, train_loss: 0.1769, step time: 0.3529
Batch 113/248, train_loss: 1.0000, step time: 0.3725
Batch 114/248, train_loss: 0.2115, step time: 0.3839
Batch 115/248, train_loss: 0.2740, step time: 0.3701
Batch 116/248, train_loss: 0.1082, step time: 0.3432
Batch 117/248, train_loss: 0.9742, step time: 0.3887
Batch 118/248, train_loss: 0.8078, step time: 0.3881
Batch 119/248, train_loss: 0.4666, step time: 0.3663
Batch 120/248, train_loss: 0.3342, step time: 0.3482
Batch 121/248, train_loss: 0.5920, step time: 0.3453
Batch 122/248, train_loss: 0.8209, step time: 0.3846
Batch 123/248, train_loss: 0.1123, step time: 0.3714
Batch 124/248, train_loss: 0.7446, step time: 0.3459
Batch 125/248, train_loss: 0.9609, step time: 0.3458
Batch 126/248, train_loss: 0.2677, step time: 0.3605
Batch 127/248, train_loss: 0.2356, step time: 0.3467
Batch 128/248, train_loss: 0.5834, step time: 0.3640
Batch 129/248, train_loss: 0.1551, step time: 0.3811
Batch 130/248, train_loss: 0.1790, step time: 0.3544
Batch 131/248, train_loss: 0.8807, step time: 0.3694
Batch 132/248, train_loss: 0.6669, step time: 0.3599
Batch 133/248, train_loss: 0.1819, step time: 0.3860
Batch 134/248, train_loss: 1.0000, step time: 0.3585
Batch 135/248, train_loss: 0.9415, step time: 0.3764
Batch 136/248, train_loss: 0.2462, step time: 0.3799
Batch 137/248, train_loss: 0.1587, step time: 0.3476
Batch 138/248, train_loss: 0.1404, step time: 0.3437
Batch 139/248, train_loss: 0.2001, step time: 0.3891
Batch 140/248, train_loss: 0.3047, step time: 0.3596
Batch 141/248, train_loss: 0.2640, step time: 0.3449
Batch 142/248, train_loss: 0.9808, step time: 0.3544
Batch 143/248, train_loss: 0.4843, step time: 0.3634
Batch 144/248, train_loss: 0.1716, step time: 0.3694
Batch 145/248, train_loss: 0.0803, step time: 0.3436
Batch 146/248, train_loss: 0.9740, step time: 0.3432
Batch 147/248, train_loss: 0.0729, step time: 0.3466
Batch 148/248, train_loss: 0.9382, step time: 0.3588
Batch 149/248, train_loss: 0.2750, step time: 0.3752
Batch 150/248, train_loss: 0.5716, step time: 0.3741
Batch 151/248, train_loss: 0.8135, step time: 0.3866
Batch 152/248, train_loss: 0.0783, step time: 0.3493
Batch 153/248, train_loss: 0.7314, step time: 0.3666
Batch 154/248, train_loss: 0.9409, step time: 0.3682
Batch 155/248, train_loss: 0.2138, step time: 0.3458
Batch 156/248, train_loss: 0.2519, step time: 0.3453
Batch 157/248, train_loss: 0.3997, step time: 0.3539

Batch 158/248, train_loss: 0.9986, step time: 0.3513
Batch 159/248, train_loss: 0.9961, step time: 0.3829
Batch 160/248, train_loss: 0.1478, step time: 0.3876
Batch 161/248, train_loss: 0.1135, step time: 0.3453
Batch 162/248, train_loss: 0.1128, step time: 0.3410
Batch 163/248, train_loss: 0.7475, step time: 0.3468
Batch 164/248, train_loss: 0.2843, step time: 0.3487
Batch 165/248, train_loss: 0.9960, step time: 0.3544
Batch 166/248, train_loss: 0.4752, step time: 0.3872
Batch 167/248, train_loss: 0.3512, step time: 0.3701
Batch 168/248, train_loss: 0.2527, step time: 0.3800
Batch 169/248, train_loss: 0.1957, step time: 0.3915
Batch 170/248, train_loss: 0.9165, step time: 0.3770
Batch 171/248, train_loss: 0.1217, step time: 0.3517
Batch 172/248, train_loss: 0.9999, step time: 0.3431
Batch 173/248, train_loss: 0.1344, step time: 0.3697
Batch 174/248, train_loss: 0.9736, step time: 0.3624
Batch 175/248, train_loss: 0.2098, step time: 0.3433
Batch 176/248, train_loss: 0.4819, step time: 0.3530
Batch 177/248, train_loss: 0.9699, step time: 0.3439
Batch 178/248, train_loss: 0.3289, step time: 0.3807
Batch 179/248, train_loss: 0.1247, step time: 0.3753
Batch 180/248, train_loss: 0.4796, step time: 0.3796
Batch 181/248, train_loss: 0.1708, step time: 0.3472
Batch 182/248, train_loss: 0.9263, step time: 0.3604
Batch 183/248, train_loss: 0.2678, step time: 0.3637
Batch 184/248, train_loss: 0.6680, step time: 0.3620
Batch 185/248, train_loss: 0.1946, step time: 0.3856
Batch 186/248, train_loss: 0.1477, step time: 0.3431
Batch 187/248, train_loss: 0.2670, step time: 0.3771
Batch 188/248, train_loss: 0.3237, step time: 0.3488
Batch 189/248, train_loss: 0.9969, step time: 0.3449
Batch 190/248, train_loss: 0.2593, step time: 0.3735
Batch 191/248, train_loss: 0.9880, step time: 0.3517
Batch 192/248, train_loss: 0.3770, step time: 0.3760
Batch 193/248, train_loss: 0.5524, step time: 0.3471
Batch 194/248, train_loss: 0.2053, step time: 0.3539
Batch 195/248, train_loss: 1.0000, step time: 0.3824
Batch 196/248, train_loss: 0.9986, step time: 0.3437
Batch 197/248, train_loss: 0.4343, step time: 0.3445
Batch 198/248, train_loss: 1.0000, step time: 0.3432
Batch 199/248, train_loss: 0.2397, step time: 0.3664
Batch 200/248, train_loss: 0.2028, step time: 0.3887
Batch 201/248, train_loss: 0.1787, step time: 0.3467
Batch 202/248, train_loss: 0.5590, step time: 0.3428
Batch 203/248, train_loss: 0.9816, step time: 0.3591
Batch 204/248, train_loss: 0.1377, step time: 0.3461
Batch 205/248, train_loss: 0.6782, step time: 0.3653
Batch 206/248, train_loss: 0.9660, step time: 0.3499
Batch 207/248, train_loss: 0.1298, step time: 0.3832
Batch 208/248, train_loss: 0.2632, step time: 0.3790
Batch 209/248, train_loss: 0.2306, step time: 0.3543
Batch 210/248, train_loss: 0.1199, step time: 0.3889
Batch 211/248, train_loss: 0.1281, step time: 0.3786
Batch 212/248, train_loss: 0.4039, step time: 0.3528
Batch 213/248, train_loss: 0.2803, step time: 0.3537
Batch 214/248, train_loss: 0.1442, step time: 0.3554
Batch 215/248, train_loss: 0.4482, step time: 0.3696
Batch 216/248, train_loss: 0.2643, step time: 0.3901
Batch 217/248, train_loss: 0.7214, step time: 0.3729
Batch 218/248, train_loss: 0.9955, step time: 0.3598
Batch 219/248, train_loss: 0.1091, step time: 0.3442
Batch 220/248, train_loss: 0.4715, step time: 0.3796
Batch 221/248, train_loss: 0.4791, step time: 0.3457
Batch 222/248, train_loss: 0.2383, step time: 0.3871
Batch 223/248, train_loss: 0.0825, step time: 0.3510
Batch 224/248, train_loss: 0.1355, step time: 0.3809
Batch 225/248, train_loss: 0.9212, step time: 0.3433
Batch 226/248, train_loss: 0.5884, step time: 0.3673
Batch 227/248, train_loss: 0.2616, step time: 0.3728
Batch 228/248, train_loss: 0.5116, step time: 0.3453
Batch 229/248, train_loss: 0.1863, step time: 0.3471
Batch 230/248, train_loss: 0.1667, step time: 0.3452
Batch 231/248, train_loss: 0.9991, step time: 0.3453
Batch 232/248, train_loss: 0.1287, step time: 0.3453
Batch 233/248, train_loss: 0.9999, step time: 0.3828
Batch 234/248, train_loss: 0.9581, step time: 0.3485
Batch 235/248, train_loss: 0.9370, step time: 0.3644
Batch 236/248, train_loss: 0.9995, step time: 0.3639
Batch 237/248, train_loss: 0.2248, step time: 0.3544
Batch 238/248, train_loss: 0.1470, step time: 0.3667
Batch 239/248, train_loss: 0.1000, step time: 0.3577
Batch 240/248, train_loss: 0.4395, step time: 0.3578
Batch 241/248, train_loss: 0.9999, step time: 0.3558
Batch 242/248, train_loss: 0.5677, step time: 0.3450

```
Batch 243/248, train_loss: 0.9753, step time: 0.3640
Batch 244/248, train_loss: 0.8747, step time: 0.3611
Batch 245/248, train_loss: 0.1522, step time: 0.3441
Batch 246/248, train_loss: 0.9676, step time: 0.3870
Batch 247/248, train_loss: 0.1108, step time: 0.3870
Batch 248/248, train_loss: 1.0000, step time: 0.3488
```

Labels



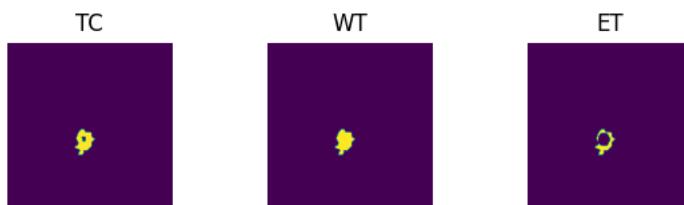
Predictions



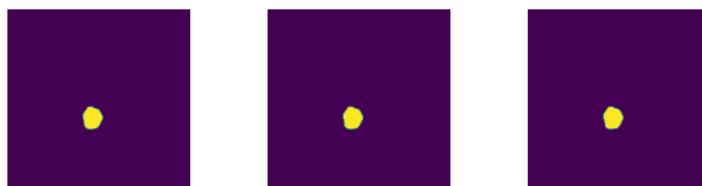
VAL

```
Batch 1/31, val_loss: 0.8596
Batch 2/31, val_loss: 0.9947
Batch 3/31, val_loss: 0.9925
Batch 4/31, val_loss: 0.9822
Batch 5/31, val_loss: 0.9993
Batch 6/31, val_loss: 0.1597
Batch 7/31, val_loss: 0.8158
Batch 8/31, val_loss: 0.9751
Batch 9/31, val_loss: 0.2774
Batch 10/31, val_loss: 0.9460
Batch 11/31, val_loss: 0.8418
Batch 12/31, val_loss: 0.9732
Batch 13/31, val_loss: 0.9867
Batch 14/31, val_loss: 0.9614
Batch 15/31, val_loss: 0.9998
Batch 16/31, val_loss: 0.9800
Batch 17/31, val_loss: 0.9927
Batch 18/31, val_loss: 0.9668
Batch 19/31, val_loss: 0.5456
Batch 20/31, val_loss: 0.8898
Batch 21/31, val_loss: 0.9210
Batch 22/31, val_loss: 0.9982
Batch 23/31, val_loss: 0.9717
Batch 24/31, val_loss: 0.0584
Batch 25/31, val_loss: 0.7442
Batch 26/31, val_loss: 0.9367
Batch 27/31, val_loss: 0.9940
Batch 28/31, val_loss: 0.7291
Batch 29/31, val_loss: 0.9904
Batch 30/31, val_loss: 0.9834
Batch 31/31, val_loss: 0.9855
```

Labels



Predictions



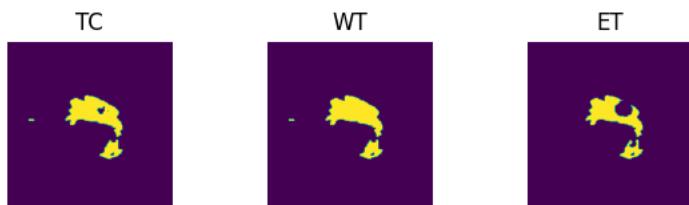
```
epoch 82
    average train loss: 0.4870
    average validation loss: 0.8533
    saved as best model: True
    current mean dice: 0.3678
    current TC dice: 0.3865
    current WT dice: 0.3944
    current ET dice: 0.3565
Best Mean Metric: 0.3678
time consuming of epoch 82 is: 1421.0814
-----
epoch 83/100
TRAIN
    Batch 1/248, train_loss: 0.1144, step time: 0.3574
    Batch 2/248, train_loss: 0.9999, step time: 0.3459
    Batch 3/248, train_loss: 0.7833, step time: 0.3565
    Batch 4/248, train_loss: 0.9999, step time: 0.3819
    Batch 5/248, train_loss: 0.3980, step time: 0.3850
    Batch 6/248, train_loss: 0.6449, step time: 0.3617
    Batch 7/248, train_loss: 0.1104, step time: 0.3453
    Batch 8/248, train_loss: 0.7546, step time: 0.3423
    Batch 9/248, train_loss: 0.0666, step time: 0.3860
    Batch 10/248, train_loss: 0.5966, step time: 0.3755
    Batch 11/248, train_loss: 0.3998, step time: 0.3463
    Batch 12/248, train_loss: 0.9978, step time: 0.3837
    Batch 13/248, train_loss: 0.8187, step time: 0.3746
    Batch 14/248, train_loss: 0.0857, step time: 0.3480
    Batch 15/248, train_loss: 0.6291, step time: 0.3820
    Batch 16/248, train_loss: 0.3029, step time: 0.3746
    Batch 17/248, train_loss: 0.9979, step time: 0.3553
    Batch 18/248, train_loss: 0.8930, step time: 0.3889
    Batch 19/248, train_loss: 0.1615, step time: 0.3840
    Batch 20/248, train_loss: 0.4761, step time: 0.3624
    Batch 21/248, train_loss: 0.0973, step time: 0.3828
    Batch 22/248, train_loss: 0.9998, step time: 0.3472
    Batch 23/248, train_loss: 0.9999, step time: 0.3669
    Batch 24/248, train_loss: 0.1307, step time: 0.3479
    Batch 25/248, train_loss: 0.1140, step time: 0.3456
    Batch 26/248, train_loss: 0.9135, step time: 0.3636
    Batch 27/248, train_loss: 0.1042, step time: 0.3504
    Batch 28/248, train_loss: 0.2891, step time: 0.3847
    Batch 29/248, train_loss: 0.9384, step time: 0.3449
    Batch 30/248, train_loss: 0.3647, step time: 0.3424
    Batch 31/248, train_loss: 0.5515, step time: 0.3432
    Batch 32/248, train_loss: 0.1356, step time: 0.3422
    Batch 33/248, train_loss: 0.1090, step time: 0.3759
    Batch 34/248, train_loss: 0.0699, step time: 0.3601
    Batch 35/248, train_loss: 0.0797, step time: 0.3717
    Batch 36/248, train_loss: 0.9986, step time: 0.3838
    Batch 37/248, train_loss: 0.2446, step time: 0.3878
    Batch 38/248, train_loss: 0.4774, step time: 0.3631
    Batch 39/248, train_loss: 0.2808, step time: 0.3470
    Batch 40/248, train_loss: 0.9998, step time: 0.3789
    Batch 41/248, train_loss: 0.2307, step time: 0.3441
    Batch 42/248, train_loss: 0.1043, step time: 0.3689
    Batch 43/248, train_loss: 0.0937, step time: 0.3449
    Batch 44/248, train_loss: 0.2030, step time: 0.3771
    Batch 45/248, train_loss: 0.5512, step time: 0.3852
    Batch 46/248, train_loss: 0.2343, step time: 0.3871
    Batch 47/248, train_loss: 0.1680, step time: 0.3801
    Batch 48/248, train_loss: 0.2771, step time: 0.3484
    Batch 49/248, train_loss: 0.8851, step time: 0.3511
    Batch 50/248, train_loss: 0.2774, step time: 0.3548
    Batch 51/248, train_loss: 0.2867, step time: 0.3672
    Batch 52/248, train_loss: 0.2358, step time: 0.3765
    Batch 53/248, train_loss: 0.7436, step time: 0.3908
    Batch 54/248, train_loss: 0.3677, step time: 0.3502
    Batch 55/248, train_loss: 0.5474, step time: 0.3433
    Batch 56/248, train_loss: 0.3756, step time: 0.3551
    Batch 57/248, train_loss: 0.4967, step time: 0.3422
    Batch 58/248, train_loss: 0.1162, step time: 0.3456
    Batch 59/248, train_loss: 0.1624, step time: 0.3432
    Batch 60/248, train_loss: 0.1257, step time: 0.3630
    Batch 61/248, train_loss: 0.1661, step time: 0.3634
    Batch 62/248, train_loss: 0.5443, step time: 0.3728
    Batch 63/248, train_loss: 0.9746, step time: 0.3771
    Batch 64/248, train_loss: 0.8882, step time: 0.3532
    Batch 65/248, train_loss: 0.5574, step time: 0.3800
    Batch 66/248, train_loss: 0.2629, step time: 0.3466
    Batch 67/248, train_loss: 0.1343, step time: 0.3605
    Batch 68/248, train_loss: 0.1409, step time: 0.3738
    Batch 69/248, train_loss: 0.9996, step time: 0.3479
    Batch 70/248, train_loss: 0.2250, step time: 0.3866
    Batch 71/248, train_loss: 0.2123, step time: 0.3904
    Batch 72/248, train_loss: 0.1039, step time: 0.3686
```

Batch 73/248, train_loss: 0.1872, step time: 0.3793
Batch 74/248, train_loss: 0.9958, step time: 0.3882
Batch 75/248, train_loss: 0.2127, step time: 0.3447
Batch 76/248, train_loss: 0.9553, step time: 0.3871
Batch 77/248, train_loss: 0.9955, step time: 0.3876
Batch 78/248, train_loss: 0.1995, step time: 0.3499
Batch 79/248, train_loss: 0.2101, step time: 0.3459
Batch 80/248, train_loss: 0.3836, step time: 0.3885
Batch 81/248, train_loss: 0.4872, step time: 0.3729
Batch 82/248, train_loss: 0.1748, step time: 0.3450
Batch 83/248, train_loss: 0.9515, step time: 0.3780
Batch 84/248, train_loss: 0.4625, step time: 0.3575
Batch 85/248, train_loss: 0.9729, step time: 0.3433
Batch 86/248, train_loss: 0.3725, step time: 0.3476
Batch 87/248, train_loss: 0.9428, step time: 0.3652
Batch 88/248, train_loss: 0.7899, step time: 0.3889
Batch 89/248, train_loss: 0.1031, step time: 0.3687
Batch 90/248, train_loss: 0.3829, step time: 0.3659
Batch 91/248, train_loss: 0.9322, step time: 0.3653
Batch 92/248, train_loss: 0.3952, step time: 0.3652
Batch 93/248, train_loss: 0.2242, step time: 0.3614
Batch 94/248, train_loss: 0.9166, step time: 0.3479
Batch 95/248, train_loss: 0.2355, step time: 0.3569
Batch 96/248, train_loss: 0.3144, step time: 0.3696
Batch 97/248, train_loss: 0.9999, step time: 0.3541
Batch 98/248, train_loss: 0.1771, step time: 0.3745
Batch 99/248, train_loss: 0.9251, step time: 0.3545
Batch 100/248, train_loss: 0.9723, step time: 0.3562
Batch 101/248, train_loss: 0.0710, step time: 0.3860
Batch 102/248, train_loss: 0.2081, step time: 0.3497
Batch 103/248, train_loss: 0.9279, step time: 0.3467
Batch 104/248, train_loss: 0.3880, step time: 0.3620
Batch 105/248, train_loss: 0.1278, step time: 0.3460
Batch 106/248, train_loss: 0.3836, step time: 0.3513
Batch 107/248, train_loss: 0.8699, step time: 0.3549
Batch 108/248, train_loss: 0.9261, step time: 0.3707
Batch 109/248, train_loss: 0.9999, step time: 0.3487
Batch 110/248, train_loss: 0.5115, step time: 0.3540
Batch 111/248, train_loss: 0.1774, step time: 0.3444
Batch 112/248, train_loss: 0.1729, step time: 0.3568
Batch 113/248, train_loss: 0.9999, step time: 0.3681
Batch 114/248, train_loss: 0.2113, step time: 0.3431
Batch 115/248, train_loss: 0.2564, step time: 0.3551
Batch 116/248, train_loss: 0.1143, step time: 0.3833
Batch 117/248, train_loss: 0.9745, step time: 0.3808
Batch 118/248, train_loss: 0.9038, step time: 0.3683
Batch 119/248, train_loss: 0.3944, step time: 0.3803
Batch 120/248, train_loss: 0.3635, step time: 0.3839
Batch 121/248, train_loss: 0.6330, step time: 0.3730
Batch 122/248, train_loss: 0.8008, step time: 0.3784
Batch 123/248, train_loss: 0.0913, step time: 0.3472
Batch 124/248, train_loss: 0.7664, step time: 0.3544
Batch 125/248, train_loss: 0.9690, step time: 0.3460
Batch 126/248, train_loss: 0.2415, step time: 0.3918
Batch 127/248, train_loss: 0.2405, step time: 0.3820
Batch 128/248, train_loss: 0.5115, step time: 0.3872
Batch 129/248, train_loss: 0.1612, step time: 0.3482
Batch 130/248, train_loss: 0.1767, step time: 0.3472
Batch 131/248, train_loss: 0.7542, step time: 0.3553
Batch 132/248, train_loss: 0.6613, step time: 0.3769
Batch 133/248, train_loss: 0.2271, step time: 0.3780
Batch 134/248, train_loss: 1.0000, step time: 0.3425
Batch 135/248, train_loss: 0.9545, step time: 0.3884
Batch 136/248, train_loss: 0.2241, step time: 0.3737
Batch 137/248, train_loss: 0.2557, step time: 0.3753
Batch 138/248, train_loss: 0.1180, step time: 0.3632
Batch 139/248, train_loss: 0.2248, step time: 0.3436
Batch 140/248, train_loss: 0.3573, step time: 0.3771
Batch 141/248, train_loss: 0.2629, step time: 0.3515
Batch 142/248, train_loss: 0.9919, step time: 0.3708
Batch 143/248, train_loss: 0.4889, step time: 0.3860
Batch 144/248, train_loss: 0.1840, step time: 0.3644
Batch 145/248, train_loss: 0.0857, step time: 0.3806
Batch 146/248, train_loss: 0.9950, step time: 0.3871
Batch 147/248, train_loss: 0.0703, step time: 0.3805
Batch 148/248, train_loss: 0.9720, step time: 0.3866
Batch 149/248, train_loss: 0.2479, step time: 0.3771
Batch 150/248, train_loss: 0.6591, step time: 0.3445
Batch 151/248, train_loss: 0.9053, step time: 0.3804
Batch 152/248, train_loss: 0.0771, step time: 0.3620
Batch 153/248, train_loss: 0.7606, step time: 0.3870
Batch 154/248, train_loss: 0.9477, step time: 0.3466
Batch 155/248, train_loss: 0.1641, step time: 0.3845
Batch 156/248, train_loss: 0.2701, step time: 0.3735
Batch 157/248, train_loss: 0.4071, step time: 0.3451

Batch 127/248, train_loss: 0.0001, step time: 0.3504
Batch 128/248, train_loss: 0.9998, step time: 0.3876
Batch 129/248, train_loss: 0.9749, step time: 0.3737
Batch 130/248, train_loss: 0.1378, step time: 0.3708
Batch 131/248, train_loss: 0.1049, step time: 0.3742
Batch 132/248, train_loss: 0.1083, step time: 0.3512
Batch 133/248, train_loss: 0.8001, step time: 0.3877
Batch 134/248, train_loss: 0.2693, step time: 0.3835
Batch 135/248, train_loss: 0.9983, step time: 0.3512
Batch 136/248, train_loss: 0.4775, step time: 0.3696
Batch 137/248, train_loss: 0.3560, step time: 0.3877
Batch 138/248, train_loss: 0.2883, step time: 0.3628
Batch 139/248, train_loss: 0.1871, step time: 0.3873
Batch 140/248, train_loss: 0.9420, step time: 0.3674
Batch 141/248, train_loss: 0.1125, step time: 0.3696
Batch 142/248, train_loss: 0.9999, step time: 0.3422
Batch 143/248, train_loss: 0.1206, step time: 0.3789
Batch 144/248, train_loss: 0.9314, step time: 0.3843
Batch 145/248, train_loss: 0.2262, step time: 0.3756
Batch 146/248, train_loss: 0.5280, step time: 0.3623
Batch 147/248, train_loss: 0.9955, step time: 0.3638
Batch 148/248, train_loss: 0.3525, step time: 0.3678
Batch 149/248, train_loss: 0.1245, step time: 0.3649
Batch 150/248, train_loss: 0.4514, step time: 0.3482
Batch 151/248, train_loss: 0.1566, step time: 0.3473
Batch 152/248, train_loss: 0.9315, step time: 0.3784
Batch 153/248, train_loss: 0.2553, step time: 0.3453
Batch 154/248, train_loss: 0.7308, step time: 0.3456
Batch 155/248, train_loss: 0.1857, step time: 0.3452
Batch 156/248, train_loss: 0.1470, step time: 0.3862
Batch 157/248, train_loss: 0.2731, step time: 0.3479
Batch 158/248, train_loss: 0.3361, step time: 0.3876
Batch 159/248, train_loss: 0.9970, step time: 0.3866
Batch 160/248, train_loss: 0.2624, step time: 0.3712
Batch 161/248, train_loss: 0.9939, step time: 0.3781
Batch 162/248, train_loss: 0.3384, step time: 0.3584
Batch 163/248, train_loss: 0.6156, step time: 0.3483
Batch 164/248, train_loss: 0.1901, step time: 0.3717
Batch 165/248, train_loss: 0.9999, step time: 0.3872
Batch 166/248, train_loss: 1.0000, step time: 0.3676
Batch 167/248, train_loss: 0.3931, step time: 0.3444
Batch 168/248, train_loss: 1.0000, step time: 0.3454
Batch 169/248, train_loss: 0.2525, step time: 0.3512
Batch 170/248, train_loss: 0.2011, step time: 0.3892
Batch 171/248, train_loss: 0.1807, step time: 0.3614
Batch 172/248, train_loss: 0.5626, step time: 0.3420
Batch 173/248, train_loss: 0.9493, step time: 0.3778
Batch 174/248, train_loss: 0.1387, step time: 0.3706
Batch 175/248, train_loss: 0.6577, step time: 0.3884
Batch 176/248, train_loss: 0.9607, step time: 0.3878
Batch 177/248, train_loss: 0.1298, step time: 0.3705
Batch 178/248, train_loss: 0.2649, step time: 0.3633
Batch 179/248, train_loss: 0.2534, step time: 0.3839
Batch 180/248, train_loss: 0.1152, step time: 0.3695
Batch 181/248, train_loss: 0.1306, step time: 0.3723
Batch 182/248, train_loss: 0.4109, step time: 0.3494
Batch 183/248, train_loss: 0.2663, step time: 0.3619
Batch 184/248, train_loss: 0.1395, step time: 0.3626
Batch 185/248, train_loss: 0.4269, step time: 0.3471
Batch 186/248, train_loss: 0.2671, step time: 0.3853
Batch 187/248, train_loss: 0.6751, step time: 0.3901
Batch 188/248, train_loss: 0.9989, step time: 0.3454
Batch 189/248, train_loss: 0.1207, step time: 0.3617
Batch 190/248, train_loss: 0.4641, step time: 0.3674
Batch 191/248, train_loss: 0.4958, step time: 0.3750
Batch 192/248, train_loss: 0.2351, step time: 0.3710
Batch 193/248, train_loss: 0.0859, step time: 0.3480
Batch 194/248, train_loss: 0.1289, step time: 0.3845
Batch 195/248, train_loss: 0.9161, step time: 0.3869
Batch 196/248, train_loss: 0.6018, step time: 0.3458
Batch 197/248, train_loss: 0.2149, step time: 0.3520
Batch 198/248, train_loss: 0.3890, step time: 0.3756
Batch 199/248, train_loss: 0.1610, step time: 0.3894
Batch 200/248, train_loss: 0.1938, step time: 0.3685
Batch 201/248, train_loss: 0.9826, step time: 0.3681
Batch 202/248, train_loss: 0.1571, step time: 0.3442
Batch 203/248, train_loss: 0.9998, step time: 0.3599
Batch 204/248, train_loss: 0.9230, step time: 0.3488
Batch 205/248, train_loss: 0.9694, step time: 0.3693
Batch 206/248, train_loss: 0.9990, step time: 0.3560
Batch 207/248, train_loss: 0.2269, step time: 0.3440
Batch 208/248, train_loss: 0.1349, step time: 0.3815
Batch 209/248, train_loss: 0.0973, step time: 0.3840
Batch 210/248, train_loss: 0.4736, step time: 0.3741
Batch 211/248, train_loss: 0.9999, step time: 0.3426

```
Batch 242/248, train_loss: 0.4854, step time: 0.3854
Batch 243/248, train_loss: 0.9663, step time: 0.3444
Batch 244/248, train_loss: 0.8582, step time: 0.3563
Batch 245/248, train_loss: 0.1590, step time: 0.3828
Batch 246/248, train_loss: 0.9803, step time: 0.3573
Batch 247/248, train_loss: 0.1104, step time: 0.3892
Batch 248/248, train_loss: 1.0000, step time: 0.3769
```

Labels



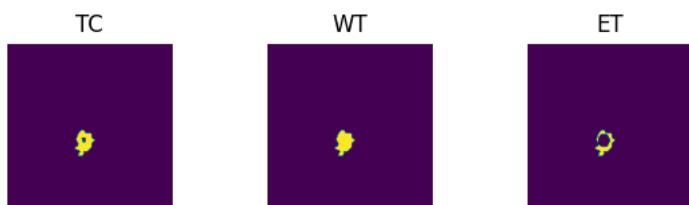
Predictions



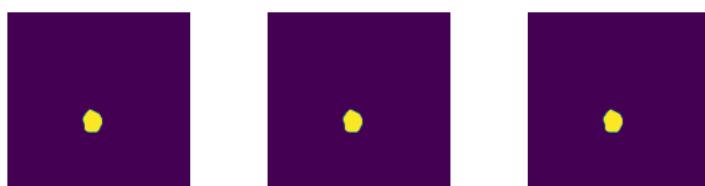
VAL

```
Batch 1/31, val_loss: 0.8509
Batch 2/31, val_loss: 0.9957
Batch 3/31, val_loss: 0.9912
Batch 4/31, val_loss: 0.9787
Batch 5/31, val_loss: 0.9991
Batch 6/31, val_loss: 0.1817
Batch 7/31, val_loss: 0.8021
Batch 8/31, val_loss: 0.9728
Batch 9/31, val_loss: 0.2007
Batch 10/31, val_loss: 0.9298
Batch 11/31, val_loss: 0.8288
Batch 12/31, val_loss: 0.9676
Batch 13/31, val_loss: 0.9676
Batch 14/31, val_loss: 0.9477
Batch 15/31, val_loss: 0.9920
Batch 16/31, val_loss: 0.9856
Batch 17/31, val_loss: 0.9933
Batch 18/31, val_loss: 0.9627
Batch 19/31, val_loss: 0.4834
Batch 20/31, val_loss: 0.8808
Batch 21/31, val_loss: 0.9097
Batch 22/31, val_loss: 0.9960
Batch 23/31, val_loss: 0.9567
Batch 24/31, val_loss: 0.0613
Batch 25/31, val_loss: 0.7187
Batch 26/31, val_loss: 0.9398
Batch 27/31, val_loss: 0.9966
Batch 28/31, val_loss: 0.7209
Batch 29/31, val_loss: 0.9919
Batch 30/31, val_loss: 0.9816
Batch 31/31, val_loss: 0.9854
```

Labels



Predictions



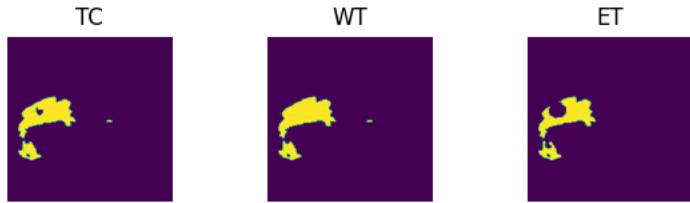
```
epoch 83
average train loss: 0.4852
average validation loss: 0.8442
saved as best model: False
current mean dice: 0.3627
current TC dice: 0.3833
current WT dice: 0.3912
current ET dice: 0.3470
Best Mean Metric: 0.3678
time consuming of epoch 83 is: 1422.8908
-----
epoch 84/100
TRAIN
Batch 1/248, train_loss: 0.1095, step time: 0.3474
Batch 2/248, train_loss: 0.9910, step time: 0.3825
Batch 3/248, train_loss: 0.7334, step time: 0.3916
Batch 4/248, train_loss: 0.9992, step time: 0.3813
Batch 5/248, train_loss: 0.4480, step time: 0.3819
Batch 6/248, train_loss: 0.5747, step time: 0.3527
Batch 7/248, train_loss: 0.1061, step time: 0.3625
Batch 8/248, train_loss: 0.7302, step time: 0.3565
Batch 9/248, train_loss: 0.0651, step time: 0.3699
Batch 10/248, train_loss: 0.5629, step time: 0.3461
Batch 11/248, train_loss: 0.3756, step time: 0.3837
Batch 12/248, train_loss: 0.9593, step time: 0.3811
Batch 13/248, train_loss: 0.8610, step time: 0.3566
Batch 14/248, train_loss: 0.0744, step time: 0.3432
Batch 15/248, train_loss: 0.6112, step time: 0.3760
Batch 16/248, train_loss: 0.2928, step time: 0.3857
Batch 17/248, train_loss: 0.9502, step time: 0.3889
Batch 18/248, train_loss: 0.9091, step time: 0.3604
Batch 19/248, train_loss: 0.1550, step time: 0.3575
Batch 20/248, train_loss: 0.3913, step time: 0.3696
Batch 21/248, train_loss: 0.0901, step time: 0.3518
Batch 22/248, train_loss: 0.9998, step time: 0.3734
Batch 23/248, train_loss: 1.0000, step time: 0.3733
Batch 24/248, train_loss: 0.1732, step time: 0.3747
Batch 25/248, train_loss: 0.1110, step time: 0.3439
Batch 26/248, train_loss: 0.9594, step time: 0.3636
Batch 27/248, train_loss: 0.1135, step time: 0.3530
Batch 28/248, train_loss: 0.3140, step time: 0.3564
Batch 29/248, train_loss: 0.9235, step time: 0.3462
Batch 30/248, train_loss: 0.3273, step time: 0.3732
Batch 31/248, train_loss: 0.5243, step time: 0.3435
Batch 32/248, train_loss: 0.1348, step time: 0.3762
Batch 33/248, train_loss: 0.1073, step time: 0.3823
Batch 34/248, train_loss: 0.0731, step time: 0.3825
Batch 35/248, train_loss: 0.0936, step time: 0.3850
Batch 36/248, train_loss: 0.9994, step time: 0.3447
Batch 37/248, train_loss: 0.2360, step time: 0.3446
Batch 38/248, train_loss: 0.4600, step time: 0.3528
Batch 39/248, train_loss: 0.2684, step time: 0.3863
Batch 40/248, train_loss: 1.0000, step time: 0.3605
Batch 41/248, train_loss: 0.2287, step time: 0.3516
Batch 42/248, train_loss: 0.1061, step time: 0.3523
Batch 43/248, train_loss: 0.0864, step time: 0.3871
Batch 44/248, train_loss: 0.4474, step time: 0.3579
Batch 45/248, train_loss: 0.5793, step time: 0.3651
Batch 46/248, train_loss: 0.2556, step time: 0.3812
Batch 47/248, train_loss: 0.1505, step time: 0.3874
Batch 48/248, train_loss: 0.2741, step time: 0.3889
Batch 49/248, train_loss: 0.7899, step time: 0.3706
Batch 50/248, train_loss: 0.3282, step time: 0.3665
Batch 51/248, train_loss: 0.2573, step time: 0.3654
Batch 52/248, train_loss: 0.2103, step time: 0.3750
Batch 53/248, train_loss: 0.6754, step time: 0.3839
Batch 54/248, train_loss: 0.3455, step time: 0.3453
Batch 55/248, train_loss: 0.5489, step time: 0.3605
Batch 56/248, train_loss: 0.3348, step time: 0.3514
Batch 57/248, train_loss: 0.4072, step time: 0.3752
Batch 58/248, train_loss: 0.1188, step time: 0.3766
Batch 59/248, train_loss: 0.1503, step time: 0.3795
Batch 60/248, train_loss: 0.1187, step time: 0.3485
Batch 61/248, train_loss: 0.1860, step time: 0.3800
Batch 62/248, train_loss: 0.5178, step time: 0.3811
Batch 63/248, train_loss: 0.9225, step time: 0.3800
Batch 64/248, train_loss: 0.9087, step time: 0.3476
Batch 65/248, train_loss: 0.4237, step time: 0.3439
Batch 66/248, train_loss: 0.2550, step time: 0.3525
Batch 67/248, train_loss: 0.1389, step time: 0.3598
Batch 68/248, train_loss: 0.1526, step time: 0.3724
Batch 69/248, train_loss: 0.9977, step time: 0.3795
Batch 70/248, train_loss: 0.2143, step time: 0.3425
Batch 71/248, train_loss: 0.2930, step time: 0.3440
Batch 72/248, train_loss: 0.1005, step time: 0.1005
```

Batch 1/248, train_loss: 0.1099, step time: 0.4000
Batch 2/248, train_loss: 0.5628, step time: 0.3614
Batch 3/248, train_loss: 0.9936, step time: 0.3833
Batch 4/248, train_loss: 0.2227, step time: 0.3424
Batch 5/248, train_loss: 0.9670, step time: 0.3429
Batch 6/248, train_loss: 0.9976, step time: 0.3625
Batch 7/248, train_loss: 0.2159, step time: 0.3526
Batch 8/248, train_loss: 0.2001, step time: 0.3795
Batch 9/248, train_loss: 0.3764, step time: 0.3434
Batch 10/248, train_loss: 0.5882, step time: 0.3704
Batch 11/248, train_loss: 0.1757, step time: 0.3743
Batch 12/248, train_loss: 0.9604, step time: 0.3665
Batch 13/248, train_loss: 0.4811, step time: 0.3514
Batch 14/248, train_loss: 0.9883, step time: 0.3525
Batch 15/248, train_loss: 0.4052, step time: 0.3523
Batch 16/248, train_loss: 0.9741, step time: 0.3697
Batch 17/248, train_loss: 0.7810, step time: 0.3476
Batch 18/248, train_loss: 0.1342, step time: 0.3676
Batch 19/248, train_loss: 0.3508, step time: 0.3484
Batch 20/248, train_loss: 0.9377, step time: 0.3833
Batch 21/248, train_loss: 0.7752, step time: 0.3815
Batch 22/248, train_loss: 0.2122, step time: 0.3442
Batch 23/248, train_loss: 0.9223, step time: 0.3503
Batch 24/248, train_loss: 0.2351, step time: 0.3670
Batch 25/248, train_loss: 0.2794, step time: 0.3548
Batch 26/248, train_loss: 0.9984, step time: 0.3692
Batch 27/248, train_loss: 0.1777, step time: 0.3802
Batch 28/248, train_loss: 0.7914, step time: 0.3487
Batch 29/248, train_loss: 0.9444, step time: 0.3774
Batch 30/248, train_loss: 0.0746, step time: 0.3488
Batch 31/248, train_loss: 0.2373, step time: 0.3460
Batch 32/248, train_loss: 0.9517, step time: 0.3683
Batch 33/248, train_loss: 0.3934, step time: 0.3506
Batch 34/248, train_loss: 0.1216, step time: 0.3552
Batch 35/248, train_loss: 0.3923, step time: 0.3739
Batch 36/248, train_loss: 0.8467, step time: 0.3878
Batch 37/248, train_loss: 0.8998, step time: 0.3449
Batch 38/248, train_loss: 0.9994, step time: 0.3704
Batch 39/248, train_loss: 0.4937, step time: 0.3830
Batch 40/248, train_loss: 0.1886, step time: 0.3750
Batch 41/248, train_loss: 0.2901, step time: 0.3821
Batch 42/248, train_loss: 0.9999, step time: 0.3839
Batch 43/248, train_loss: 0.2180, step time: 0.3699
Batch 44/248, train_loss: 0.2753, step time: 0.3853
Batch 45/248, train_loss: 0.1076, step time: 0.3591
Batch 46/248, train_loss: 0.9670, step time: 0.3783
Batch 47/248, train_loss: 0.9636, step time: 0.3661
Batch 48/248, train_loss: 0.4618, step time: 0.3547
Batch 49/248, train_loss: 0.3655, step time: 0.3671
Batch 50/248, train_loss: 0.6397, step time: 0.3847
Batch 51/248, train_loss: 0.8339, step time: 0.3826
Batch 52/248, train_loss: 0.1209, step time: 0.3810
Batch 53/248, train_loss: 0.7280, step time: 0.3873
Batch 54/248, train_loss: 0.9641, step time: 0.3911
Batch 55/248, train_loss: 0.2751, step time: 0.3473
Batch 56/248, train_loss: 0.2472, step time: 0.3900
Batch 57/248, train_loss: 0.6178, step time: 0.3781
Batch 58/248, train_loss: 0.2017, step time: 0.3435
Batch 59/248, train_loss: 0.1696, step time: 0.3903
Batch 60/248, train_loss: 0.8068, step time: 0.3762
Batch 61/248, train_loss: 0.6402, step time: 0.3838
Batch 62/248, train_loss: 0.2983, step time: 0.3448
Batch 63/248, train_loss: 1.0000, step time: 0.3736
Batch 64/248, train_loss: 0.8232, step time: 0.3920
Batch 65/248, train_loss: 0.3184, step time: 0.3617
Batch 66/248, train_loss: 0.1720, step time: 0.3548
Batch 67/248, train_loss: 0.1375, step time: 0.3444
Batch 68/248, train_loss: 0.2641, step time: 0.3797
Batch 69/248, train_loss: 0.3151, step time: 0.3455
Batch 70/248, train_loss: 0.3525, step time: 0.3757
Batch 71/248, train_loss: 0.9980, step time: 0.3751
Batch 72/248, train_loss: 0.5435, step time: 0.3728
Batch 73/248, train_loss: 0.1913, step time: 0.3537
Batch 74/248, train_loss: 0.0819, step time: 0.3853
Batch 75/248, train_loss: 0.9870, step time: 0.3535
Batch 76/248, train_loss: 0.0717, step time: 0.3856
Batch 77/248, train_loss: 0.9563, step time: 0.3570
Batch 78/248, train_loss: 0.2565, step time: 0.3689
Batch 79/248, train_loss: 0.7233, step time: 0.3618
Batch 80/248, train_loss: 0.9592, step time: 0.3448
Batch 81/248, train_loss: 0.0807, step time: 0.3866
Batch 82/248, train_loss: 0.6454, step time: 0.3676
Batch 83/248, train_loss: 0.9302, step time: 0.3787
Batch 84/248, train_loss: 0.2574, step time: 0.3443
Batch 85/248, train_loss: 0.2737, step time: 0.3524

Batch 157/248, train_loss: 0.4050, step time: 0.3467
Batch 158/248, train_loss: 0.9997, step time: 0.3449
Batch 159/248, train_loss: 0.9794, step time: 0.3458
Batch 160/248, train_loss: 0.1286, step time: 0.3685
Batch 161/248, train_loss: 0.1037, step time: 0.3883
Batch 162/248, train_loss: 0.1122, step time: 0.3655
Batch 163/248, train_loss: 0.7010, step time: 0.3714
Batch 164/248, train_loss: 0.2497, step time: 0.3622
Batch 165/248, train_loss: 0.9993, step time: 0.3878
Batch 166/248, train_loss: 0.4011, step time: 0.3832
Batch 167/248, train_loss: 0.3383, step time: 0.3551
Batch 168/248, train_loss: 0.3031, step time: 0.3485
Batch 169/248, train_loss: 0.1869, step time: 0.3478
Batch 170/248, train_loss: 0.9530, step time: 0.3815
Batch 171/248, train_loss: 0.1161, step time: 0.3585
Batch 172/248, train_loss: 0.9998, step time: 0.3844
Batch 173/248, train_loss: 0.1953, step time: 0.3829
Batch 174/248, train_loss: 0.9847, step time: 0.3877
Batch 175/248, train_loss: 0.2189, step time: 0.3874
Batch 176/248, train_loss: 0.4946, step time: 0.3661
Batch 177/248, train_loss: 0.9751, step time: 0.3470
Batch 178/248, train_loss: 0.4033, step time: 0.3699
Batch 179/248, train_loss: 0.1386, step time: 0.3843
Batch 180/248, train_loss: 0.4833, step time: 0.3850
Batch 181/248, train_loss: 0.1821, step time: 0.3697
Batch 182/248, train_loss: 0.9010, step time: 0.3630
Batch 183/248, train_loss: 0.2261, step time: 0.3467
Batch 184/248, train_loss: 0.6062, step time: 0.3556
Batch 185/248, train_loss: 0.1707, step time: 0.3675
Batch 186/248, train_loss: 0.1333, step time: 0.3657
Batch 187/248, train_loss: 0.2593, step time: 0.3577
Batch 188/248, train_loss: 0.3355, step time: 0.3645
Batch 189/248, train_loss: 0.9890, step time: 0.3840
Batch 190/248, train_loss: 0.2907, step time: 0.3907
Batch 191/248, train_loss: 0.9916, step time: 0.3815
Batch 192/248, train_loss: 0.3555, step time: 0.3719
Batch 193/248, train_loss: 0.4957, step time: 0.3886
Batch 194/248, train_loss: 0.1629, step time: 0.3647
Batch 195/248, train_loss: 0.9997, step time: 0.3700
Batch 196/248, train_loss: 1.0000, step time: 0.3550
Batch 197/248, train_loss: 0.3928, step time: 0.3507
Batch 198/248, train_loss: 1.0000, step time: 0.3727
Batch 199/248, train_loss: 0.1968, step time: 0.3687
Batch 200/248, train_loss: 0.1789, step time: 0.3424
Batch 201/248, train_loss: 0.1791, step time: 0.3482
Batch 202/248, train_loss: 0.5653, step time: 0.3471
Batch 203/248, train_loss: 0.9202, step time: 0.3427
Batch 204/248, train_loss: 0.1327, step time: 0.3748
Batch 205/248, train_loss: 0.6799, step time: 0.3487
Batch 206/248, train_loss: 0.9507, step time: 0.3828
Batch 207/248, train_loss: 0.1253, step time: 0.3821
Batch 208/248, train_loss: 0.2743, step time: 0.3636
Batch 209/248, train_loss: 0.2618, step time: 0.3711
Batch 210/248, train_loss: 0.1104, step time: 0.3725
Batch 211/248, train_loss: 0.1295, step time: 0.3465
Batch 212/248, train_loss: 0.3961, step time: 0.3859
Batch 213/248, train_loss: 0.2862, step time: 0.3883
Batch 214/248, train_loss: 0.1559, step time: 0.3512
Batch 215/248, train_loss: 0.3952, step time: 0.3767
Batch 216/248, train_loss: 0.3126, step time: 0.3857
Batch 217/248, train_loss: 0.6064, step time: 0.3888
Batch 218/248, train_loss: 0.9987, step time: 0.3571
Batch 219/248, train_loss: 0.1065, step time: 0.3879
Batch 220/248, train_loss: 0.4323, step time: 0.3572
Batch 221/248, train_loss: 0.4427, step time: 0.3772
Batch 222/248, train_loss: 0.3018, step time: 0.3658
Batch 223/248, train_loss: 0.0853, step time: 0.3623
Batch 224/248, train_loss: 0.1282, step time: 0.3855
Batch 225/248, train_loss: 0.9114, step time: 0.3693
Batch 226/248, train_loss: 0.5283, step time: 0.3520
Batch 227/248, train_loss: 0.1985, step time: 0.3463
Batch 228/248, train_loss: 0.4009, step time: 0.3489
Batch 229/248, train_loss: 0.1549, step time: 0.3800
Batch 230/248, train_loss: 0.1794, step time: 0.3804
Batch 231/248, train_loss: 1.0000, step time: 0.3646
Batch 232/248, train_loss: 0.1217, step time: 0.3640
Batch 233/248, train_loss: 0.9972, step time: 0.3461
Batch 234/248, train_loss: 0.9468, step time: 0.3871
Batch 235/248, train_loss: 0.9454, step time: 0.3623
Batch 236/248, train_loss: 0.9995, step time: 0.3838
Batch 237/248, train_loss: 0.2251, step time: 0.3832
Batch 238/248, train_loss: 0.1515, step time: 0.3698
Batch 239/248, train_loss: 0.1154, step time: 0.3557
Batch 240/248, train_loss: 0.4377, step time: 0.3900
Batch 241/248, train_loss: 1.0000, step time: 0.3669

```
Batch 242/248, train_loss: 0.4505, step time: 0.3693  
Batch 243/248, train_loss: 0.9843, step time: 0.3445  
Batch 244/248, train_loss: 0.8655, step time: 0.3640  
Batch 245/248, train_loss: 0.1444, step time: 0.3680  
Batch 246/248, train_loss: 0.9528, step time: 0.3456  
Batch 247/248, train_loss: 0.1298, step time: 0.3901  
Batch 248/248, train_loss: 1.0000, step time: 0.3460
```

Labels



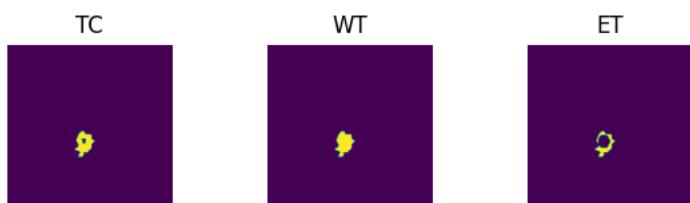
Predictions



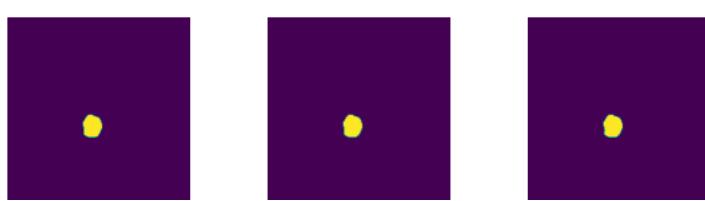
VAL

```
Batch 1/31, val_loss: 0.8116  
Batch 2/31, val_loss: 0.9904  
Batch 3/31, val_loss: 0.9866  
Batch 4/31, val_loss: 0.9769  
Batch 5/31, val_loss: 0.9984  
Batch 6/31, val_loss: 0.1604  
Batch 7/31, val_loss: 0.7734  
Batch 8/31, val_loss: 0.9736  
Batch 9/31, val_loss: 0.1804  
Batch 10/31, val_loss: 0.9316  
Batch 11/31, val_loss: 0.8280  
Batch 12/31, val_loss: 0.9595  
Batch 13/31, val_loss: 0.9660  
Batch 14/31, val_loss: 0.9094  
Batch 15/31, val_loss: 0.9994  
Batch 16/31, val_loss: 0.9749  
Batch 17/31, val_loss: 0.9817  
Batch 18/31, val_loss: 0.9561  
Batch 19/31, val_loss: 0.4438  
Batch 20/31, val_loss: 0.8661  
Batch 21/31, val_loss: 0.9124  
Batch 22/31, val_loss: 0.9933  
Batch 23/31, val_loss: 0.9262  
Batch 24/31, val_loss: 0.0577  
Batch 25/31, val_loss: 0.6963  
Batch 26/31, val_loss: 0.9340  
Batch 27/31, val_loss: 0.9887  
Batch 28/31, val_loss: 0.6386  
Batch 29/31, val_loss: 0.9908  
Batch 30/31, val_loss: 0.9697  
Batch 31/31, val_loss: 0.9834
```

Labels



Predictions



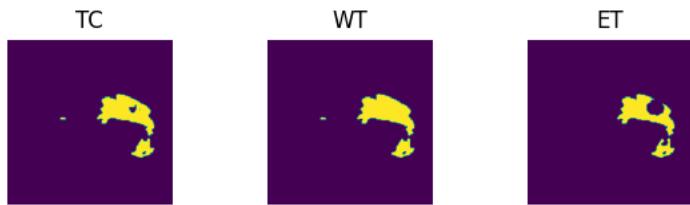
```
epoch 84
average train loss: 0.4866
average validation loss: 0.8310
saved as best model: True
current mean dice: 0.3710
current TC dice: 0.3913
current WT dice: 0.3990
current ET dice: 0.3568
Best Mean Metric: 0.3710
time consuming of epoch 84 is: 1435.2000
-----
epoch 85/100
TRAIN
Batch 1/248, train_loss: 0.1391, step time: 0.3612
Batch 2/248, train_loss: 0.9946, step time: 0.3695
Batch 3/248, train_loss: 0.7568, step time: 0.3523
Batch 4/248, train_loss: 0.9999, step time: 0.3777
Batch 5/248, train_loss: 0.4333, step time: 0.3558
Batch 6/248, train_loss: 0.6247, step time: 0.3601
Batch 7/248, train_loss: 0.1044, step time: 0.3654
Batch 8/248, train_loss: 0.7518, step time: 0.3710
Batch 9/248, train_loss: 0.0645, step time: 0.3783
Batch 10/248, train_loss: 0.5361, step time: 0.3501
Batch 11/248, train_loss: 0.3642, step time: 0.3925
Batch 12/248, train_loss: 0.9989, step time: 0.3714
Batch 13/248, train_loss: 0.7902, step time: 0.3867
Batch 14/248, train_loss: 0.0753, step time: 0.3444
Batch 15/248, train_loss: 0.6011, step time: 0.3471
Batch 16/248, train_loss: 0.2974, step time: 0.3456
Batch 17/248, train_loss: 0.9544, step time: 0.3508
Batch 18/248, train_loss: 0.8768, step time: 0.3642
Batch 19/248, train_loss: 0.1565, step time: 0.3871
Batch 20/248, train_loss: 0.4066, step time: 0.3454
Batch 21/248, train_loss: 0.0957, step time: 0.3462
Batch 22/248, train_loss: 0.9907, step time: 0.3749
Batch 23/248, train_loss: 1.0000, step time: 0.3478
Batch 24/248, train_loss: 0.1295, step time: 0.3633
Batch 25/248, train_loss: 0.1148, step time: 0.3462
Batch 26/248, train_loss: 0.9616, step time: 0.3467
Batch 27/248, train_loss: 0.1057, step time: 0.3639
Batch 28/248, train_loss: 0.2967, step time: 0.3935
Batch 29/248, train_loss: 0.9226, step time: 0.3512
Batch 30/248, train_loss: 0.7858, step time: 0.3460
Batch 31/248, train_loss: 0.5018, step time: 0.3443
Batch 32/248, train_loss: 0.1373, step time: 0.3829
Batch 33/248, train_loss: 0.1045, step time: 0.3431
Batch 34/248, train_loss: 0.0732, step time: 0.3785
Batch 35/248, train_loss: 0.0935, step time: 0.3807
Batch 36/248, train_loss: 0.9998, step time: 0.3518
Batch 37/248, train_loss: 0.2597, step time: 0.3868
Batch 38/248, train_loss: 0.5143, step time: 0.3566
Batch 39/248, train_loss: 0.2763, step time: 0.3471
Batch 40/248, train_loss: 1.0000, step time: 0.3591
Batch 41/248, train_loss: 0.2389, step time: 0.3783
Batch 42/248, train_loss: 0.0925, step time: 0.3674
Batch 43/248, train_loss: 0.0916, step time: 0.3817
Batch 44/248, train_loss: 0.4870, step time: 0.3782
Batch 45/248, train_loss: 0.5986, step time: 0.3581
Batch 46/248, train_loss: 0.2642, step time: 0.3537
Batch 47/248, train_loss: 0.1514, step time: 0.3854
Batch 48/248, train_loss: 0.2658, step time: 0.3456
Batch 49/248, train_loss: 0.8564, step time: 0.3743
Batch 50/248, train_loss: 0.3178, step time: 0.3452
Batch 51/248, train_loss: 0.2827, step time: 0.3540
Batch 52/248, train_loss: 0.2148, step time: 0.3434
Batch 53/248, train_loss: 0.7112, step time: 0.3705
Batch 54/248, train_loss: 0.3534, step time: 0.3540
Batch 55/248, train_loss: 0.5327, step time: 0.3897
Batch 56/248, train_loss: 0.3156, step time: 0.3488
Batch 57/248, train_loss: 0.4536, step time: 0.3714
Batch 58/248, train_loss: 0.1286, step time: 0.3821
Batch 59/248, train_loss: 0.1598, step time: 0.3586
Batch 60/248, train_loss: 0.1511, step time: 0.3788
Batch 61/248, train_loss: 0.1885, step time: 0.3843
Batch 62/248, train_loss: 0.5228, step time: 0.3722
Batch 63/248, train_loss: 0.9398, step time: 0.3756
Batch 64/248, train_loss: 0.8864, step time: 0.3585
Batch 65/248, train_loss: 0.6161, step time: 0.3465
Batch 66/248, train_loss: 0.2680, step time: 0.3464
Batch 67/248, train_loss: 0.1416, step time: 0.3460
Batch 68/248, train_loss: 0.1629, step time: 0.3784
Batch 69/248, train_loss: 0.9881, step time: 0.3466
Batch 70/248, train_loss: 0.2061, step time: 0.3430
Batch 71/248, train_loss: 0.2769, step time: 0.3472
```

Batch 72/248, train_loss: 0.0947, step time: 0.3825
Batch 73/248, train_loss: 0.3011, step time: 0.3532
Batch 74/248, train_loss: 0.9991, step time: 0.3622
Batch 75/248, train_loss: 0.2199, step time: 0.3723
Batch 76/248, train_loss: 0.9694, step time: 0.3471
Batch 77/248, train_loss: 0.9986, step time: 0.3538
Batch 78/248, train_loss: 0.2170, step time: 0.3659
Batch 79/248, train_loss: 0.2323, step time: 0.3519
Batch 80/248, train_loss: 0.5600, step time: 0.3656
Batch 81/248, train_loss: 0.4844, step time: 0.3622
Batch 82/248, train_loss: 0.1681, step time: 0.3435
Batch 83/248, train_loss: 0.9755, step time: 0.3450
Batch 84/248, train_loss: 0.4668, step time: 0.3682
Batch 85/248, train_loss: 0.9610, step time: 0.3756
Batch 86/248, train_loss: 0.3187, step time: 0.3562
Batch 87/248, train_loss: 0.9457, step time: 0.3687
Batch 88/248, train_loss: 0.7578, step time: 0.3793
Batch 89/248, train_loss: 0.1132, step time: 0.3602
Batch 90/248, train_loss: 0.7761, step time: 0.3601
Batch 91/248, train_loss: 0.9234, step time: 0.3476
Batch 92/248, train_loss: 0.3982, step time: 0.3878
Batch 93/248, train_loss: 0.2638, step time: 0.3438
Batch 94/248, train_loss: 0.8909, step time: 0.3624
Batch 95/248, train_loss: 0.2365, step time: 0.3468
Batch 96/248, train_loss: 0.3203, step time: 0.3541
Batch 97/248, train_loss: 0.9999, step time: 0.3445
Batch 98/248, train_loss: 0.1965, step time: 0.3496
Batch 99/248, train_loss: 0.9176, step time: 0.3760
Batch 100/248, train_loss: 0.9728, step time: 0.3438
Batch 101/248, train_loss: 0.0700, step time: 0.3565
Batch 102/248, train_loss: 0.2078, step time: 0.3654
Batch 103/248, train_loss: 0.9378, step time: 0.3457
Batch 104/248, train_loss: 0.3772, step time: 0.3607
Batch 105/248, train_loss: 0.1306, step time: 0.3518
Batch 106/248, train_loss: 0.3622, step time: 0.3649
Batch 107/248, train_loss: 0.8925, step time: 0.3689
Batch 108/248, train_loss: 0.8938, step time: 0.3692
Batch 109/248, train_loss: 0.9998, step time: 0.3454
Batch 110/248, train_loss: 0.6296, step time: 0.3692
Batch 111/248, train_loss: 0.1573, step time: 0.3593
Batch 112/248, train_loss: 0.1705, step time: 0.3827
Batch 113/248, train_loss: 1.0000, step time: 0.3881
Batch 114/248, train_loss: 0.2173, step time: 0.3885
Batch 115/248, train_loss: 0.3150, step time: 0.3700
Batch 116/248, train_loss: 0.1096, step time: 0.3744
Batch 117/248, train_loss: 0.9722, step time: 0.3626
Batch 118/248, train_loss: 0.8201, step time: 0.3704
Batch 119/248, train_loss: 0.4689, step time: 0.3748
Batch 120/248, train_loss: 0.4096, step time: 0.3713
Batch 121/248, train_loss: 0.6277, step time: 0.3779
Batch 122/248, train_loss: 0.8712, step time: 0.3438
Batch 123/248, train_loss: 0.0962, step time: 0.3834
Batch 124/248, train_loss: 0.7085, step time: 0.3558
Batch 125/248, train_loss: 0.9692, step time: 0.3739
Batch 126/248, train_loss: 0.3589, step time: 0.3627
Batch 127/248, train_loss: 0.2308, step time: 0.3505
Batch 128/248, train_loss: 0.5885, step time: 0.3896
Batch 129/248, train_loss: 0.1530, step time: 0.3503
Batch 130/248, train_loss: 0.1834, step time: 0.3814
Batch 131/248, train_loss: 0.8219, step time: 0.3850
Batch 132/248, train_loss: 0.6553, step time: 0.3784
Batch 133/248, train_loss: 0.2061, step time: 0.3530
Batch 134/248, train_loss: 1.0000, step time: 0.3866
Batch 135/248, train_loss: 0.8721, step time: 0.3492
Batch 136/248, train_loss: 0.2142, step time: 0.3650
Batch 137/248, train_loss: 0.2210, step time: 0.3834
Batch 138/248, train_loss: 0.1265, step time: 0.3814
Batch 139/248, train_loss: 0.2623, step time: 0.3901
Batch 140/248, train_loss: 0.2857, step time: 0.3784
Batch 141/248, train_loss: 0.2474, step time: 0.3587
Batch 142/248, train_loss: 0.9952, step time: 0.3736
Batch 143/248, train_loss: 0.4437, step time: 0.3445
Batch 144/248, train_loss: 0.1744, step time: 0.3460
Batch 145/248, train_loss: 0.0785, step time: 0.3684
Batch 146/248, train_loss: 0.9988, step time: 0.3528
Batch 147/248, train_loss: 0.0699, step time: 0.3585
Batch 148/248, train_loss: 0.9241, step time: 0.3420
Batch 149/248, train_loss: 0.2669, step time: 0.3652
Batch 150/248, train_loss: 0.5836, step time: 0.3824
Batch 151/248, train_loss: 0.9078, step time: 0.3906
Batch 152/248, train_loss: 0.0762, step time: 0.3779
Batch 153/248, train_loss: 0.7143, step time: 0.3482
Batch 154/248, train_loss: 0.9370, step time: 0.3745
Batch 155/248, train_loss: 0.2419, step time: 0.3601
Batch 156/248, train_loss: 0.2802, step time: 0.3732

Batch 157/248, train_loss: 0.3979, step time: 0.3751
Batch 158/248, train_loss: 0.9987, step time: 0.3751
Batch 159/248, train_loss: 0.9854, step time: 0.3728
Batch 160/248, train_loss: 0.1383, step time: 0.3818
Batch 161/248, train_loss: 0.1022, step time: 0.3574
Batch 162/248, train_loss: 0.1075, step time: 0.3815
Batch 163/248, train_loss: 0.6709, step time: 0.3413
Batch 164/248, train_loss: 0.3429, step time: 0.3632
Batch 165/248, train_loss: 0.9929, step time: 0.3517
Batch 166/248, train_loss: 0.3765, step time: 0.3658
Batch 167/248, train_loss: 0.3188, step time: 0.3830
Batch 168/248, train_loss: 0.2602, step time: 0.3449
Batch 169/248, train_loss: 0.1826, step time: 0.3806
Batch 170/248, train_loss: 0.9111, step time: 0.3804
Batch 171/248, train_loss: 0.1306, step time: 0.3763
Batch 172/248, train_loss: 0.9946, step time: 0.3450
Batch 173/248, train_loss: 0.1120, step time: 0.3464
Batch 174/248, train_loss: 0.9921, step time: 0.3482
Batch 175/248, train_loss: 0.2162, step time: 0.3678
Batch 176/248, train_loss: 0.4718, step time: 0.3447
Batch 177/248, train_loss: 0.9988, step time: 0.3463
Batch 178/248, train_loss: 0.3334, step time: 0.3451
Batch 179/248, train_loss: 0.1175, step time: 0.3454
Batch 180/248, train_loss: 0.4610, step time: 0.3453
Batch 181/248, train_loss: 0.1776, step time: 0.3848
Batch 182/248, train_loss: 0.9176, step time: 0.3518
Batch 183/248, train_loss: 0.2058, step time: 0.3771
Batch 184/248, train_loss: 0.7583, step time: 0.3645
Batch 185/248, train_loss: 0.1712, step time: 0.3863
Batch 186/248, train_loss: 0.1482, step time: 0.3444
Batch 187/248, train_loss: 0.2764, step time: 0.3829
Batch 188/248, train_loss: 0.3263, step time: 0.3814
Batch 189/248, train_loss: 0.9902, step time: 0.3778
Batch 190/248, train_loss: 0.2767, step time: 0.3507
Batch 191/248, train_loss: 0.9725, step time: 0.3774
Batch 192/248, train_loss: 0.3290, step time: 0.3444
Batch 193/248, train_loss: 0.6094, step time: 0.3901
Batch 194/248, train_loss: 0.1767, step time: 0.3602
Batch 195/248, train_loss: 0.9999, step time: 0.3493
Batch 196/248, train_loss: 1.0000, step time: 0.3749
Batch 197/248, train_loss: 0.3693, step time: 0.3771
Batch 198/248, train_loss: 1.0000, step time: 0.3768
Batch 199/248, train_loss: 0.2307, step time: 0.3580
Batch 200/248, train_loss: 0.2016, step time: 0.3734
Batch 201/248, train_loss: 0.1819, step time: 0.3639
Batch 202/248, train_loss: 0.5887, step time: 0.3620
Batch 203/248, train_loss: 0.9935, step time: 0.3457
Batch 204/248, train_loss: 0.1347, step time: 0.3448
Batch 205/248, train_loss: 0.6287, step time: 0.3865
Batch 206/248, train_loss: 0.9464, step time: 0.3459
Batch 207/248, train_loss: 0.1160, step time: 0.3496
Batch 208/248, train_loss: 0.2482, step time: 0.3761
Batch 209/248, train_loss: 0.2592, step time: 0.3534
Batch 210/248, train_loss: 0.1016, step time: 0.3567
Batch 211/248, train_loss: 0.1140, step time: 0.3632
Batch 212/248, train_loss: 0.3453, step time: 0.3655
Batch 213/248, train_loss: 0.2778, step time: 0.3525
Batch 214/248, train_loss: 0.1426, step time: 0.3445
Batch 215/248, train_loss: 0.4279, step time: 0.3782
Batch 216/248, train_loss: 0.3056, step time: 0.3584
Batch 217/248, train_loss: 0.6030, step time: 0.3886
Batch 218/248, train_loss: 0.9987, step time: 0.3701
Batch 219/248, train_loss: 0.1129, step time: 0.3396
Batch 220/248, train_loss: 0.4170, step time: 0.3511
Batch 221/248, train_loss: 0.4860, step time: 0.3833
Batch 222/248, train_loss: 0.2618, step time: 0.3700
Batch 223/248, train_loss: 0.0786, step time: 0.3559
Batch 224/248, train_loss: 0.1347, step time: 0.3459
Batch 225/248, train_loss: 0.9082, step time: 0.3756
Batch 226/248, train_loss: 0.4506, step time: 0.3461
Batch 227/248, train_loss: 0.2379, step time: 0.3709
Batch 228/248, train_loss: 0.3836, step time: 0.3682
Batch 229/248, train_loss: 0.1597, step time: 0.3829
Batch 230/248, train_loss: 0.2001, step time: 0.3537
Batch 231/248, train_loss: 0.9727, step time: 0.3860
Batch 232/248, train_loss: 0.1545, step time: 0.3480
Batch 233/248, train_loss: 0.9978, step time: 0.3609
Batch 234/248, train_loss: 0.8985, step time: 0.3698
Batch 235/248, train_loss: 0.8753, step time: 0.3466
Batch 236/248, train_loss: 0.9984, step time: 0.3450
Batch 237/248, train_loss: 0.2299, step time: 0.3473
Batch 238/248, train_loss: 0.1272, step time: 0.3678
Batch 239/248, train_loss: 0.0941, step time: 0.3682
Batch 240/248, train_loss: 0.5297, step time: 0.3719
Batch 241/248, train_loss: 0.9999, step time: 0.3432

```
Batch 212/248, train_loss: 0.5559, step time: 0.3522  
Batch 242/248, train_loss: 0.4233, step time: 0.3691  
Batch 243/248, train_loss: 0.9404, step time: 0.3525  
Batch 244/248, train_loss: 0.8118, step time: 0.3682  
Batch 245/248, train_loss: 0.1516, step time: 0.3739  
Batch 246/248, train_loss: 0.9243, step time: 0.3524  
Batch 247/248, train_loss: 0.1126, step time: 0.3454  
Batch 248/248, train_loss: 1.0000, step time: 0.3899
```

Labels



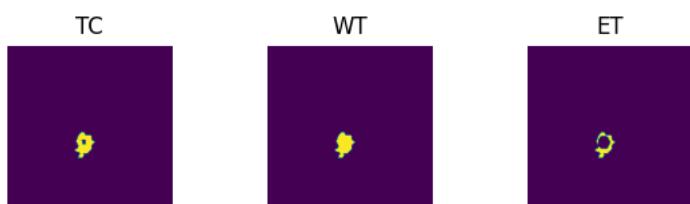
Predictions



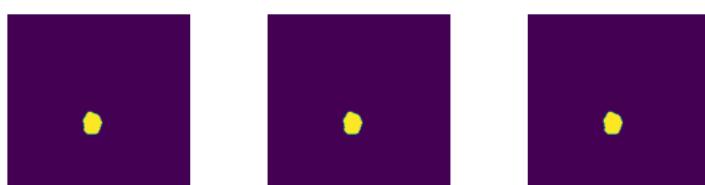
VAL

```
Batch 1/31, val_loss: 0.8269  
Batch 2/31, val_loss: 0.9844  
Batch 3/31, val_loss: 0.9799  
Batch 4/31, val_loss: 0.9729  
Batch 5/31, val_loss: 0.9970  
Batch 6/31, val_loss: 0.1450  
Batch 7/31, val_loss: 0.7718  
Batch 8/31, val_loss: 0.9670  
Batch 9/31, val_loss: 0.1715  
Batch 10/31, val_loss: 0.9244  
Batch 11/31, val_loss: 0.8164  
Batch 12/31, val_loss: 0.9354  
Batch 13/31, val_loss: 0.9474  
Batch 14/31, val_loss: 0.8566  
Batch 15/31, val_loss: 0.9794  
Batch 16/31, val_loss: 0.9831  
Batch 17/31, val_loss: 0.9859  
Batch 18/31, val_loss: 0.9488  
Batch 19/31, val_loss: 0.3672  
Batch 20/31, val_loss: 0.8595  
Batch 21/31, val_loss: 0.9080  
Batch 22/31, val_loss: 0.9975  
Batch 23/31, val_loss: 0.8921  
Batch 24/31, val_loss: 0.0587  
Batch 25/31, val_loss: 0.6565  
Batch 26/31, val_loss: 0.9329  
Batch 27/31, val_loss: 0.9914  
Batch 28/31, val_loss: 0.5730  
Batch 29/31, val_loss: 0.9930  
Batch 30/31, val_loss: 0.9674  
Batch 31/31, val_loss: 0.9806
```

Labels



Predictions



```
epoch 85
  average train loss: 0.4863
  average validation loss: 0.8184
  saved as best model: True
  current mean dice: 0.3730
  current TC dice: 0.3931
  current WT dice: 0.4009
  current ET dice: 0.3597
Best Mean Metric: 0.3730
time consuming of epoch 85 is: 1426.9282
```

```
-----
```

```
epoch 86/100
```

```
TRAIN
```

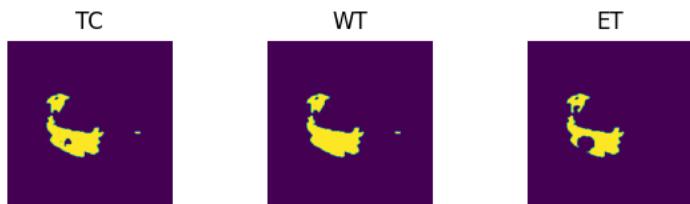
```
Batch 1/248, train_loss: 0.1241, step time: 0.3840
Batch 2/248, train_loss: 0.9995, step time: 0.3622
Batch 3/248, train_loss: 0.7341, step time: 0.3784
Batch 4/248, train_loss: 0.9991, step time: 0.3427
Batch 5/248, train_loss: 0.4410, step time: 0.3850
Batch 6/248, train_loss: 0.6184, step time: 0.3753
Batch 7/248, train_loss: 0.1072, step time: 0.3866
Batch 8/248, train_loss: 0.7612, step time: 0.3869
Batch 9/248, train_loss: 0.0665, step time: 0.3564
Batch 10/248, train_loss: 0.5250, step time: 0.3538
Batch 11/248, train_loss: 0.3598, step time: 0.3544
Batch 12/248, train_loss: 0.9719, step time: 0.3716
Batch 13/248, train_loss: 0.8320, step time: 0.3514
Batch 14/248, train_loss: 0.0795, step time: 0.3732
Batch 15/248, train_loss: 0.5849, step time: 0.3587
Batch 16/248, train_loss: 0.2760, step time: 0.3764
Batch 17/248, train_loss: 0.9382, step time: 0.3628
Batch 18/248, train_loss: 0.8322, step time: 0.3604
Batch 19/248, train_loss: 0.1620, step time: 0.3457
Batch 20/248, train_loss: 0.3784, step time: 0.3540
Batch 21/248, train_loss: 0.0880, step time: 0.3664
Batch 22/248, train_loss: 0.9995, step time: 0.3777
Batch 23/248, train_loss: 1.0000, step time: 0.3476
Batch 24/248, train_loss: 0.1625, step time: 0.3454
Batch 25/248, train_loss: 0.1115, step time: 0.3502
Batch 26/248, train_loss: 0.9044, step time: 0.3578
Batch 27/248, train_loss: 0.1040, step time: 0.3747
Batch 28/248, train_loss: 0.2949, step time: 0.3787
Batch 29/248, train_loss: 0.9353, step time: 0.3635
Batch 30/248, train_loss: 0.3330, step time: 0.3862
Batch 31/248, train_loss: 0.4773, step time: 0.3814
Batch 32/248, train_loss: 0.1309, step time: 0.3446
Batch 33/248, train_loss: 0.1022, step time: 0.3532
Batch 34/248, train_loss: 0.0697, step time: 0.3544
Batch 35/248, train_loss: 0.0778, step time: 0.3846
Batch 36/248, train_loss: 0.9864, step time: 0.3826
Batch 37/248, train_loss: 0.2361, step time: 0.3873
Batch 38/248, train_loss: 0.4313, step time: 0.3712
Batch 39/248, train_loss: 0.2739, step time: 0.3440
Batch 40/248, train_loss: 0.9992, step time: 0.3724
Batch 41/248, train_loss: 0.2679, step time: 0.3461
Batch 42/248, train_loss: 0.0968, step time: 0.3816
Batch 43/248, train_loss: 0.0834, step time: 0.3839
Batch 44/248, train_loss: 0.3355, step time: 0.3517
Batch 45/248, train_loss: 0.5614, step time: 0.3686
Batch 46/248, train_loss: 0.2578, step time: 0.3692
Batch 47/248, train_loss: 0.1386, step time: 0.3845
Batch 48/248, train_loss: 0.2708, step time: 0.3658
Batch 49/248, train_loss: 0.7965, step time: 0.3642
Batch 50/248, train_loss: 0.2965, step time: 0.3813
Batch 51/248, train_loss: 0.2778, step time: 0.3897
Batch 52/248, train_loss: 0.2145, step time: 0.3477
Batch 53/248, train_loss: 0.6772, step time: 0.3925
Batch 54/248, train_loss: 0.3281, step time: 0.3873
Batch 55/248, train_loss: 0.4410, step time: 0.3765
Batch 56/248, train_loss: 0.3574, step time: 0.3475
Batch 57/248, train_loss: 0.4164, step time: 0.3553
Batch 58/248, train_loss: 0.1237, step time: 0.3683
Batch 59/248, train_loss: 0.1535, step time: 0.3566
Batch 60/248, train_loss: 0.1189, step time: 0.3469
Batch 61/248, train_loss: 0.1797, step time: 0.3451
Batch 62/248, train_loss: 0.4909, step time: 0.3872
Batch 63/248, train_loss: 0.9410, step time: 0.3751
Batch 64/248, train_loss: 0.8745, step time: 0.3608
Batch 65/248, train_loss: 0.4713, step time: 0.3427
Batch 66/248, train_loss: 0.2402, step time: 0.3532
Batch 67/248, train_loss: 0.1362, step time: 0.3829
Batch 68/248, train_loss: 0.1415, step time: 0.3859
Batch 69/248, train_loss: 0.9994, step time: 0.3872
Batch 70/248, train_loss: 0.2150, step time: 0.3773
Batch 71/248, train_loss: 0.2681, step time: 0.3718
```

Batch 72/248, train_loss: 0.1029, step time: 0.3636
Batch 73/248, train_loss: 0.3644, step time: 0.3886
Batch 74/248, train_loss: 0.9991, step time: 0.3872
Batch 75/248, train_loss: 0.2115, step time: 0.3717
Batch 76/248, train_loss: 0.9317, step time: 0.3452
Batch 77/248, train_loss: 0.9893, step time: 0.3662
Batch 78/248, train_loss: 0.2556, step time: 0.3868
Batch 79/248, train_loss: 0.2043, step time: 0.3853
Batch 80/248, train_loss: 0.4125, step time: 0.3692
Batch 81/248, train_loss: 0.4725, step time: 0.3878
Batch 82/248, train_loss: 0.1823, step time: 0.3886
Batch 83/248, train_loss: 0.9383, step time: 0.3443
Batch 84/248, train_loss: 0.4340, step time: 0.3673
Batch 85/248, train_loss: 0.9576, step time: 0.3565
Batch 86/248, train_loss: 0.5074, step time: 0.3694
Batch 87/248, train_loss: 0.9511, step time: 0.3607
Batch 88/248, train_loss: 0.8852, step time: 0.3465
Batch 89/248, train_loss: 0.1207, step time: 0.3828
Batch 90/248, train_loss: 0.7047, step time: 0.3480
Batch 91/248, train_loss: 0.9379, step time: 0.3511
Batch 92/248, train_loss: 0.5294, step time: 0.3795
Batch 93/248, train_loss: 0.2180, step time: 0.3700
Batch 94/248, train_loss: 0.8751, step time: 0.3477
Batch 95/248, train_loss: 0.2599, step time: 0.3530
Batch 96/248, train_loss: 0.3319, step time: 0.3436
Batch 97/248, train_loss: 1.0000, step time: 0.3610
Batch 98/248, train_loss: 0.2049, step time: 0.3850
Batch 99/248, train_loss: 0.7603, step time: 0.3719
Batch 100/248, train_loss: 0.9764, step time: 0.3649
Batch 101/248, train_loss: 0.0819, step time: 0.3517
Batch 102/248, train_loss: 0.2112, step time: 0.3657
Batch 103/248, train_loss: 0.9609, step time: 0.3836
Batch 104/248, train_loss: 0.4006, step time: 0.3807
Batch 105/248, train_loss: 0.1206, step time: 0.3694
Batch 106/248, train_loss: 0.2891, step time: 0.3484
Batch 107/248, train_loss: 0.8763, step time: 0.3688
Batch 108/248, train_loss: 0.9101, step time: 0.3866
Batch 109/248, train_loss: 0.9996, step time: 0.3474
Batch 110/248, train_loss: 0.5890, step time: 0.3881
Batch 111/248, train_loss: 0.1595, step time: 0.3589
Batch 112/248, train_loss: 0.1718, step time: 0.3832
Batch 113/248, train_loss: 0.9995, step time: 0.3871
Batch 114/248, train_loss: 0.2209, step time: 0.3775
Batch 115/248, train_loss: 0.2500, step time: 0.3675
Batch 116/248, train_loss: 0.1093, step time: 0.3533
Batch 117/248, train_loss: 0.9751, step time: 0.3454
Batch 118/248, train_loss: 0.9045, step time: 0.3784
Batch 119/248, train_loss: 0.4092, step time: 0.3746
Batch 120/248, train_loss: 0.3560, step time: 0.3457
Batch 121/248, train_loss: 0.6371, step time: 0.3770
Batch 122/248, train_loss: 0.8243, step time: 0.3871
Batch 123/248, train_loss: 0.1037, step time: 0.3855
Batch 124/248, train_loss: 0.7259, step time: 0.3809
Batch 125/248, train_loss: 0.9490, step time: 0.3743
Batch 126/248, train_loss: 0.3573, step time: 0.3564
Batch 127/248, train_loss: 0.2055, step time: 0.3923
Batch 128/248, train_loss: 0.5572, step time: 0.3788
Batch 129/248, train_loss: 0.1553, step time: 0.3418
Batch 130/248, train_loss: 0.1753, step time: 0.3607
Batch 131/248, train_loss: 0.8105, step time: 0.3575
Batch 132/248, train_loss: 0.5970, step time: 0.3450
Batch 133/248, train_loss: 0.2030, step time: 0.3655
Batch 134/248, train_loss: 1.0000, step time: 0.3669
Batch 135/248, train_loss: 0.7568, step time: 0.3522
Batch 136/248, train_loss: 0.2412, step time: 0.3477
Batch 137/248, train_loss: 0.2843, step time: 0.3738
Batch 138/248, train_loss: 0.1415, step time: 0.3879
Batch 139/248, train_loss: 0.2432, step time: 0.3881
Batch 140/248, train_loss: 0.2684, step time: 0.3446
Batch 141/248, train_loss: 0.2661, step time: 0.3703
Batch 142/248, train_loss: 0.9502, step time: 0.3448
Batch 143/248, train_loss: 0.4470, step time: 0.3548
Batch 144/248, train_loss: 0.1781, step time: 0.3522
Batch 145/248, train_loss: 0.0866, step time: 0.3860
Batch 146/248, train_loss: 0.9990, step time: 0.3733
Batch 147/248, train_loss: 0.0697, step time: 0.3777
Batch 148/248, train_loss: 0.9396, step time: 0.3636
Batch 149/248, train_loss: 0.2484, step time: 0.3817
Batch 150/248, train_loss: 0.6057, step time: 0.3752
Batch 151/248, train_loss: 0.8213, step time: 0.3461
Batch 152/248, train_loss: 0.0841, step time: 0.3875
Batch 153/248, train_loss: 0.6620, step time: 0.3613
Batch 154/248, train_loss: 0.9503, step time: 0.3472
Batch 155/248, train_loss: 0.2379, step time: 0.3738
Batch 156/248, train_loss: 0.2058, step time: 0.3196

Batch 150/248, train_loss: 0.2050, step time: 0.3750
Batch 157/248, train_loss: 0.3942, step time: 0.3860
Batch 158/248, train_loss: 0.9989, step time: 0.3692
Batch 159/248, train_loss: 0.9596, step time: 0.3455
Batch 160/248, train_loss: 0.1710, step time: 0.3747
Batch 161/248, train_loss: 0.0927, step time: 0.3806
Batch 162/248, train_loss: 0.1150, step time: 0.3772
Batch 163/248, train_loss: 0.6689, step time: 0.3733
Batch 164/248, train_loss: 0.3100, step time: 0.3886
Batch 165/248, train_loss: 0.9996, step time: 0.3527
Batch 166/248, train_loss: 0.3277, step time: 0.3700
Batch 167/248, train_loss: 0.3326, step time: 0.3931
Batch 168/248, train_loss: 0.2737, step time: 0.3447
Batch 169/248, train_loss: 0.1680, step time: 0.3808
Batch 170/248, train_loss: 0.9536, step time: 0.3745
Batch 171/248, train_loss: 0.1302, step time: 0.3542
Batch 172/248, train_loss: 0.9999, step time: 0.3800
Batch 173/248, train_loss: 0.1132, step time: 0.3868
Batch 174/248, train_loss: 0.9673, step time: 0.3803
Batch 175/248, train_loss: 0.2300, step time: 0.3515
Batch 176/248, train_loss: 0.4506, step time: 0.3852
Batch 177/248, train_loss: 0.9531, step time: 0.3454
Batch 178/248, train_loss: 0.3294, step time: 0.3456
Batch 179/248, train_loss: 0.1309, step time: 0.3824
Batch 180/248, train_loss: 0.4604, step time: 0.3490
Batch 181/248, train_loss: 0.1784, step time: 0.3433
Batch 182/248, train_loss: 0.9453, step time: 0.3853
Batch 183/248, train_loss: 0.2239, step time: 0.3812
Batch 184/248, train_loss: 0.6053, step time: 0.3463
Batch 185/248, train_loss: 0.1853, step time: 0.3435
Batch 186/248, train_loss: 0.1523, step time: 0.3454
Batch 187/248, train_loss: 0.2869, step time: 0.3607
Batch 188/248, train_loss: 0.3022, step time: 0.3569
Batch 189/248, train_loss: 0.9934, step time: 0.3540
Batch 190/248, train_loss: 0.2591, step time: 0.3688
Batch 191/248, train_loss: 0.9823, step time: 0.3732
Batch 192/248, train_loss: 0.3260, step time: 0.3853
Batch 193/248, train_loss: 0.4372, step time: 0.3838
Batch 194/248, train_loss: 0.1600, step time: 0.3440
Batch 195/248, train_loss: 1.0000, step time: 0.3460
Batch 196/248, train_loss: 1.0000, step time: 0.3714
Batch 197/248, train_loss: 0.3688, step time: 0.3449
Batch 198/248, train_loss: 1.0000, step time: 0.3618
Batch 199/248, train_loss: 0.2152, step time: 0.3455
Batch 200/248, train_loss: 0.1933, step time: 0.3562
Batch 201/248, train_loss: 0.1720, step time: 0.3560
Batch 202/248, train_loss: 0.5468, step time: 0.3426
Batch 203/248, train_loss: 0.9381, step time: 0.3819
Batch 204/248, train_loss: 0.1392, step time: 0.3426
Batch 205/248, train_loss: 0.6482, step time: 0.3841
Batch 206/248, train_loss: 0.9788, step time: 0.3882
Batch 207/248, train_loss: 0.1099, step time: 0.3750
Batch 208/248, train_loss: 0.2539, step time: 0.3453
Batch 209/248, train_loss: 0.2145, step time: 0.3905
Batch 210/248, train_loss: 0.1116, step time: 0.3840
Batch 211/248, train_loss: 0.1177, step time: 0.3642
Batch 212/248, train_loss: 0.3947, step time: 0.3504
Batch 213/248, train_loss: 0.2645, step time: 0.3827
Batch 214/248, train_loss: 0.1370, step time: 0.3516
Batch 215/248, train_loss: 0.4167, step time: 0.3559
Batch 216/248, train_loss: 0.2464, step time: 0.3583
Batch 217/248, train_loss: 0.5560, step time: 0.3685
Batch 218/248, train_loss: 0.9965, step time: 0.3813
Batch 219/248, train_loss: 0.1176, step time: 0.3510
Batch 220/248, train_loss: 0.4497, step time: 0.3550
Batch 221/248, train_loss: 0.4322, step time: 0.3806
Batch 222/248, train_loss: 0.2517, step time: 0.3854
Batch 223/248, train_loss: 0.0788, step time: 0.3701
Batch 224/248, train_loss: 0.1313, step time: 0.3633
Batch 225/248, train_loss: 0.8965, step time: 0.3702
Batch 226/248, train_loss: 0.5038, step time: 0.3822
Batch 227/248, train_loss: 0.2017, step time: 0.3603
Batch 228/248, train_loss: 0.3287, step time: 0.3716
Batch 229/248, train_loss: 0.1581, step time: 0.3620
Batch 230/248, train_loss: 0.1942, step time: 0.3631
Batch 231/248, train_loss: 0.9984, step time: 0.3878
Batch 232/248, train_loss: 0.1572, step time: 0.3452
Batch 233/248, train_loss: 0.9999, step time: 0.3807
Batch 234/248, train_loss: 0.9517, step time: 0.3435
Batch 235/248, train_loss: 0.9046, step time: 0.3459
Batch 236/248, train_loss: 0.9995, step time: 0.3883
Batch 237/248, train_loss: 0.2272, step time: 0.3847
Batch 238/248, train_loss: 0.1238, step time: 0.3487
Batch 239/248, train_loss: 0.1102, step time: 0.3728
Batch 240/248, train_loss: 0.5268, step time: 0.3533

```
Batch 241/248, train_loss: 1.0000, step time: 0.3700  
Batch 242/248, train_loss: 0.4370, step time: 0.3447  
Batch 243/248, train_loss: 0.9946, step time: 0.3794  
Batch 244/248, train_loss: 0.8105, step time: 0.3488  
Batch 245/248, train_loss: 0.1501, step time: 0.3748  
Batch 246/248, train_loss: 0.9658, step time: 0.3449  
Batch 247/248, train_loss: 0.1043, step time: 0.3669  
Batch 248/248, train_loss: 1.0000, step time: 0.3706
```

Labels



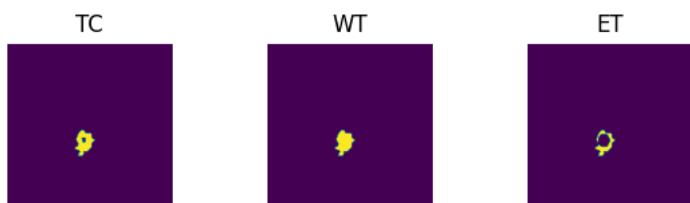
Predictions



VAL

```
Batch 1/31, val_loss: 0.7662  
Batch 2/31, val_loss: 0.9326  
Batch 3/31, val_loss: 0.9403  
Batch 4/31, val_loss: 0.9398  
Batch 5/31, val_loss: 0.9908  
Batch 6/31, val_loss: 0.1246  
Batch 7/31, val_loss: 0.6907  
Batch 8/31, val_loss: 0.9494  
Batch 9/31, val_loss: 0.1593  
Batch 10/31, val_loss: 0.8429  
Batch 11/31, val_loss: 0.7746  
Batch 12/31, val_loss: 0.8396  
Batch 13/31, val_loss: 0.9427  
Batch 14/31, val_loss: 0.7140  
Batch 15/31, val_loss: 0.9999  
Batch 16/31, val_loss: 0.9707  
Batch 17/31, val_loss: 0.9782  
Batch 18/31, val_loss: 0.9169  
Batch 19/31, val_loss: 0.2670  
Batch 20/31, val_loss: 0.8399  
Batch 21/31, val_loss: 0.8661  
Batch 22/31, val_loss: 0.9885  
Batch 23/31, val_loss: 0.7898  
Batch 24/31, val_loss: 0.0584  
Batch 25/31, val_loss: 0.5730  
Batch 26/31, val_loss: 0.9251  
Batch 27/31, val_loss: 0.9467  
Batch 28/31, val_loss: 0.4576  
Batch 29/31, val_loss: 0.9862  
Batch 30/31, val_loss: 0.9195  
Batch 31/31, val_loss: 0.9753
```

Labels



Predictions



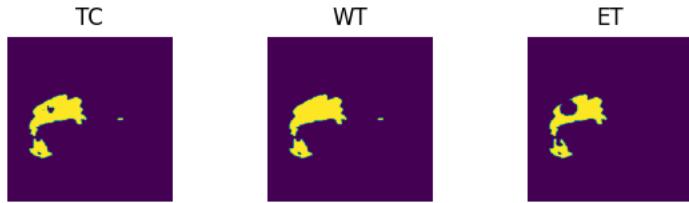
```
epoch 86
    average train loss: 0.4765
    average validation loss: 0.7763
    saved as best model: True
    current mean dice: 0.3767
    current TC dice: 0.3977
    current WT dice: 0.4053
    current ET dice: 0.3618
Best Mean Metric: 0.3767
time consuming of epoch 86 is: 1423.3315
-----
epoch 87/100
TRAIN
    Batch 1/248, train_loss: 0.1125, step time: 0.3866
    Batch 2/248, train_loss: 1.0000, step time: 0.3474
    Batch 3/248, train_loss: 0.7168, step time: 0.3810
    Batch 4/248, train_loss: 1.0000, step time: 0.3543
    Batch 5/248, train_loss: 0.3145, step time: 0.3850
    Batch 6/248, train_loss: 0.6254, step time: 0.3567
    Batch 7/248, train_loss: 0.1069, step time: 0.3800
    Batch 8/248, train_loss: 0.7483, step time: 0.3636
    Batch 9/248, train_loss: 0.0698, step time: 0.3504
    Batch 10/248, train_loss: 0.4923, step time: 0.3560
    Batch 11/248, train_loss: 0.3382, step time: 0.3809
    Batch 12/248, train_loss: 0.9575, step time: 0.3633
    Batch 13/248, train_loss: 0.7882, step time: 0.3631
    Batch 14/248, train_loss: 0.0805, step time: 0.3723
    Batch 15/248, train_loss: 0.5664, step time: 0.3645
    Batch 16/248, train_loss: 0.2914, step time: 0.3732
    Batch 17/248, train_loss: 0.9742, step time: 0.3539
    Batch 18/248, train_loss: 0.8746, step time: 0.3458
    Batch 19/248, train_loss: 0.1492, step time: 0.3632
    Batch 20/248, train_loss: 0.4211, step time: 0.3441
    Batch 21/248, train_loss: 0.0873, step time: 0.3859
    Batch 22/248, train_loss: 1.0000, step time: 0.3640
    Batch 23/248, train_loss: 1.0000, step time: 0.3798
    Batch 24/248, train_loss: 0.1477, step time: 0.3710
    Batch 25/248, train_loss: 0.1119, step time: 0.3640
    Batch 26/248, train_loss: 0.8978, step time: 0.3673
    Batch 27/248, train_loss: 0.0945, step time: 0.3561
    Batch 28/248, train_loss: 0.2768, step time: 0.3433
    Batch 29/248, train_loss: 0.9073, step time: 0.3457
    Batch 30/248, train_loss: 0.3069, step time: 0.3452
    Batch 31/248, train_loss: 0.4708, step time: 0.3678
    Batch 32/248, train_loss: 0.1373, step time: 0.3769
    Batch 33/248, train_loss: 0.1098, step time: 0.3814
    Batch 34/248, train_loss: 0.0724, step time: 0.3771
    Batch 35/248, train_loss: 0.0854, step time: 0.3607
    Batch 36/248, train_loss: 0.9982, step time: 0.3843
    Batch 37/248, train_loss: 0.2341, step time: 0.3441
    Batch 38/248, train_loss: 0.4190, step time: 0.3447
    Batch 39/248, train_loss: 0.3079, step time: 0.3497
    Batch 40/248, train_loss: 0.9991, step time: 0.3775
    Batch 41/248, train_loss: 0.2440, step time: 0.3910
    Batch 42/248, train_loss: 0.0925, step time: 0.3810
    Batch 43/248, train_loss: 0.0986, step time: 0.3437
    Batch 44/248, train_loss: 0.3770, step time: 0.3489
    Batch 45/248, train_loss: 0.6002, step time: 0.3445
    Batch 46/248, train_loss: 0.2338, step time: 0.3502
    Batch 47/248, train_loss: 0.1616, step time: 0.3776
    Batch 48/248, train_loss: 0.2637, step time: 0.3835
    Batch 49/248, train_loss: 0.8345, step time: 0.3714
    Batch 50/248, train_loss: 0.3219, step time: 0.3883
    Batch 51/248, train_loss: 0.2635, step time: 0.3877
    Batch 52/248, train_loss: 0.2260, step time: 0.3492
    Batch 53/248, train_loss: 0.6584, step time: 0.3893
    Batch 54/248, train_loss: 0.3403, step time: 0.3463
    Batch 55/248, train_loss: 0.4676, step time: 0.3770
    Batch 56/248, train_loss: 0.3344, step time: 0.3702
    Batch 57/248, train_loss: 0.3851, step time: 0.3432
    Batch 58/248, train_loss: 0.1251, step time: 0.3424
    Batch 59/248, train_loss: 0.1623, step time: 0.3706
    Batch 60/248, train_loss: 0.1311, step time: 0.3664
    Batch 61/248, train_loss: 0.2024, step time: 0.3499
    Batch 62/248, train_loss: 0.5187, step time: 0.3710
    Batch 63/248, train_loss: 0.8915, step time: 0.3845
    Batch 64/248, train_loss: 0.8352, step time: 0.3613
    Batch 65/248, train_loss: 0.6896, step time: 0.3458
    Batch 66/248, train_loss: 0.2914, step time: 0.3540
    Batch 67/248, train_loss: 0.1405, step time: 0.3439
    Batch 68/248, train_loss: 0.1222, step time: 0.3821
    Batch 69/248, train_loss: 1.0000, step time: 0.3793
    Batch 70/248, train_loss: 0.2182, step time: 0.3637
    total 71/248 train loss: 0.2102 step time: 0.3840
```

Batch 1/248, train_loss: 0.2105, step time: 0.3047
Batch 2/248, train_loss: 0.0915, step time: 0.3717
Batch 3/248, train_loss: 0.1830, step time: 0.3664
Batch 4/248, train_loss: 0.9944, step time: 0.3491
Batch 5/248, train_loss: 0.2094, step time: 0.3653
Batch 6/248, train_loss: 0.9371, step time: 0.3785
Batch 7/248, train_loss: 0.9896, step time: 0.3706
Batch 8/248, train_loss: 0.1987, step time: 0.3853
Batch 9/248, train_loss: 0.1952, step time: 0.3709
Batch 10/248, train_loss: 0.4052, step time: 0.3430
Batch 11/248, train_loss: 0.4242, step time: 0.3715
Batch 12/248, train_loss: 0.1750, step time: 0.3835
Batch 13/248, train_loss: 0.9241, step time: 0.3790
Batch 14/248, train_loss: 0.4297, step time: 0.3749
Batch 15/248, train_loss: 0.9649, step time: 0.3487
Batch 16/248, train_loss: 0.3034, step time: 0.3726
Batch 17/248, train_loss: 0.9242, step time: 0.3768
Batch 18/248, train_loss: 0.7933, step time: 0.3728
Batch 19/248, train_loss: 0.1007, step time: 0.3580
Batch 20/248, train_loss: 0.3232, step time: 0.3670
Batch 21/248, train_loss: 0.9180, step time: 0.3821
Batch 22/248, train_loss: 0.3976, step time: 0.3559
Batch 23/248, train_loss: 0.2189, step time: 0.3884
Batch 24/248, train_loss: 0.8449, step time: 0.3647
Batch 25/248, train_loss: 0.2364, step time: 0.3733
Batch 26/248, train_loss: 0.3054, step time: 0.3595
Batch 27/248, train_loss: 0.9906, step time: 0.3430
Batch 28/248, train_loss: 0.1821, step time: 0.3570
Batch 29/248, train_loss: 0.8107, step time: 0.3834
Batch 30/248, train_loss: 0.9392, step time: 0.3447
Batch 31/248, train_loss: 0.0686, step time: 0.3771
Batch 32/248, train_loss: 0.2274, step time: 0.3771
Batch 33/248, train_loss: 0.9286, step time: 0.3749
Batch 34/248, train_loss: 0.3673, step time: 0.3450
Batch 35/248, train_loss: 0.1274, step time: 0.3691
Batch 36/248, train_loss: 0.2908, step time: 0.3571
Batch 37/248, train_loss: 0.8540, step time: 0.3489
Batch 38/248, train_loss: 0.8896, step time: 0.3759
Batch 39/248, train_loss: 0.9845, step time: 0.3790
Batch 40/248, train_loss: 0.7733, step time: 0.3542
Batch 41/248, train_loss: 0.1751, step time: 0.3856
Batch 42/248, train_loss: 0.2017, step time: 0.3696
Batch 43/248, train_loss: 0.9998, step time: 0.3452
Batch 44/248, train_loss: 0.2113, step time: 0.3669
Batch 45/248, train_loss: 0.3647, step time: 0.3492
Batch 46/248, train_loss: 0.1222, step time: 0.3804
Batch 47/248, train_loss: 0.9865, step time: 0.3771
Batch 48/248, train_loss: 0.9089, step time: 0.3884
Batch 49/248, train_loss: 0.4598, step time: 0.3482
Batch 50/248, train_loss: 0.3601, step time: 0.3440
Batch 51/248, train_loss: 0.5793, step time: 0.3841
Batch 52/248, train_loss: 0.8656, step time: 0.3504
Batch 53/248, train_loss: 0.0965, step time: 0.3445
Batch 54/248, train_loss: 0.8855, step time: 0.3527
Batch 55/248, train_loss: 0.9618, step time: 0.3456
Batch 56/248, train_loss: 0.2508, step time: 0.3866
Batch 57/248, train_loss: 0.2298, step time: 0.3557
Batch 58/248, train_loss: 0.3820, step time: 0.3689
Batch 59/248, train_loss: 0.1681, step time: 0.3718
Batch 60/248, train_loss: 0.1882, step time: 0.3802
Batch 61/248, train_loss: 0.9381, step time: 0.3569
Batch 62/248, train_loss: 0.9293, step time: 0.3748
Batch 63/248, train_loss: 0.2845, step time: 0.3818
Batch 64/248, train_loss: 1.0000, step time: 0.3836
Batch 65/248, train_loss: 0.9763, step time: 0.3850
Batch 66/248, train_loss: 0.2467, step time: 0.3693
Batch 67/248, train_loss: 0.2285, step time: 0.3769
Batch 68/248, train_loss: 0.1242, step time: 0.3864
Batch 69/248, train_loss: 0.3039, step time: 0.3701
Batch 70/248, train_loss: 0.3145, step time: 0.3748
Batch 71/248, train_loss: 0.2756, step time: 0.3650
Batch 72/248, train_loss: 0.9948, step time: 0.3472
Batch 73/248, train_loss: 0.6405, step time: 0.3881
Batch 74/248, train_loss: 0.1770, step time: 0.3875
Batch 75/248, train_loss: 0.0883, step time: 0.3824
Batch 76/248, train_loss: 0.9751, step time: 0.3568
Batch 77/248, train_loss: 0.0734, step time: 0.3820
Batch 78/248, train_loss: 0.9654, step time: 0.3549
Batch 79/248, train_loss: 0.2628, step time: 0.3444
Batch 80/248, train_loss: 0.6513, step time: 0.3434
Batch 81/248, train_loss: 0.9302, step time: 0.3879
Batch 82/248, train_loss: 0.0745, step time: 0.3557
Batch 83/248, train_loss: 0.8345, step time: 0.3453
Batch 84/248, train_loss: 0.9721, step time: 0.3445
Batch 85/248, train_loss: 0.2193, step time: 0.3770

Batch 156/248, train_loss: 0.4256, step time: 0.3848
Batch 157/248, train_loss: 0.4002, step time: 0.3466
Batch 158/248, train_loss: 0.9996, step time: 0.3437
Batch 159/248, train_loss: 0.9835, step time: 0.3896
Batch 160/248, train_loss: 0.1355, step time: 0.3576
Batch 161/248, train_loss: 0.1260, step time: 0.3717
Batch 162/248, train_loss: 0.1132, step time: 0.3665
Batch 163/248, train_loss: 0.7948, step time: 0.3459
Batch 164/248, train_loss: 0.3640, step time: 0.3579
Batch 165/248, train_loss: 0.9999, step time: 0.3446
Batch 166/248, train_loss: 0.6471, step time: 0.3442
Batch 167/248, train_loss: 0.4034, step time: 0.3591
Batch 168/248, train_loss: 0.2934, step time: 0.3866
Batch 169/248, train_loss: 0.1830, step time: 0.3497
Batch 170/248, train_loss: 0.9439, step time: 0.3870
Batch 171/248, train_loss: 0.1125, step time: 0.3660
Batch 172/248, train_loss: 0.9999, step time: 0.3866
Batch 173/248, train_loss: 0.1282, step time: 0.3570
Batch 174/248, train_loss: 0.9998, step time: 0.3459
Batch 175/248, train_loss: 0.2292, step time: 0.3510
Batch 176/248, train_loss: 0.4862, step time: 0.3605
Batch 177/248, train_loss: 0.9995, step time: 0.3456
Batch 178/248, train_loss: 0.3323, step time: 0.3444
Batch 179/248, train_loss: 0.1249, step time: 0.3801
Batch 180/248, train_loss: 0.4101, step time: 0.3584
Batch 181/248, train_loss: 0.1986, step time: 0.3740
Batch 182/248, train_loss: 0.9392, step time: 0.3893
Batch 183/248, train_loss: 0.2285, step time: 0.3819
Batch 184/248, train_loss: 0.6633, step time: 0.3659
Batch 185/248, train_loss: 0.1654, step time: 0.3470
Batch 186/248, train_loss: 0.1711, step time: 0.3630
Batch 187/248, train_loss: 0.2584, step time: 0.3797
Batch 188/248, train_loss: 0.3388, step time: 0.3577
Batch 189/248, train_loss: 0.9837, step time: 0.3620
Batch 190/248, train_loss: 0.2637, step time: 0.3603
Batch 191/248, train_loss: 0.9880, step time: 0.3884
Batch 192/248, train_loss: 0.3160, step time: 0.3841
Batch 193/248, train_loss: 0.5254, step time: 0.3670
Batch 194/248, train_loss: 0.1788, step time: 0.3685
Batch 195/248, train_loss: 0.9999, step time: 0.3685
Batch 196/248, train_loss: 1.0000, step time: 0.3428
Batch 197/248, train_loss: 0.3894, step time: 0.3818
Batch 198/248, train_loss: 1.0000, step time: 0.3828
Batch 199/248, train_loss: 0.2532, step time: 0.3460
Batch 200/248, train_loss: 0.2025, step time: 0.3672
Batch 201/248, train_loss: 0.1938, step time: 0.3437
Batch 202/248, train_loss: 0.6130, step time: 0.3651
Batch 203/248, train_loss: 0.9906, step time: 0.3798
Batch 204/248, train_loss: 0.1277, step time: 0.3459
Batch 205/248, train_loss: 0.6846, step time: 0.3424
Batch 206/248, train_loss: 0.9689, step time: 0.3864
Batch 207/248, train_loss: 0.1295, step time: 0.3622
Batch 208/248, train_loss: 0.2722, step time: 0.3464
Batch 209/248, train_loss: 0.2093, step time: 0.3508
Batch 210/248, train_loss: 0.1066, step time: 0.3440
Batch 211/248, train_loss: 0.1240, step time: 0.3592
Batch 212/248, train_loss: 0.3946, step time: 0.3746
Batch 213/248, train_loss: 0.2722, step time: 0.3462
Batch 214/248, train_loss: 0.1398, step time: 0.3603
Batch 215/248, train_loss: 0.4064, step time: 0.3697
Batch 216/248, train_loss: 0.2516, step time: 0.3639
Batch 217/248, train_loss: 0.7681, step time: 0.3843
Batch 218/248, train_loss: 0.9998, step time: 0.3853
Batch 219/248, train_loss: 0.1046, step time: 0.3605
Batch 220/248, train_loss: 0.4221, step time: 0.3732
Batch 221/248, train_loss: 0.4828, step time: 0.3604
Batch 222/248, train_loss: 0.2723, step time: 0.3681
Batch 223/248, train_loss: 0.0786, step time: 0.3704
Batch 224/248, train_loss: 0.1410, step time: 0.3459
Batch 225/248, train_loss: 0.9376, step time: 0.3850
Batch 226/248, train_loss: 0.7717, step time: 0.3882
Batch 227/248, train_loss: 0.2031, step time: 0.3714
Batch 228/248, train_loss: 0.3425, step time: 0.3753
Batch 229/248, train_loss: 0.1657, step time: 0.3426
Batch 230/248, train_loss: 0.1667, step time: 0.3863
Batch 231/248, train_loss: 0.9957, step time: 0.3518
Batch 232/248, train_loss: 0.1608, step time: 0.3658
Batch 233/248, train_loss: 0.9978, step time: 0.3485
Batch 234/248, train_loss: 0.9799, step time: 0.3899
Batch 235/248, train_loss: 0.8474, step time: 0.3823
Batch 236/248, train_loss: 0.9998, step time: 0.3558
Batch 237/248, train_loss: 0.2303, step time: 0.3641
Batch 238/248, train_loss: 0.1340, step time: 0.3510
Batch 239/248, train_loss: 0.0942, step time: 0.3483
Batch 240/248, train_loss: 0.5053, step time: 0.3566

```
Batch 241/248, train_loss: 1.0000, step time: 0.3679  
Batch 242/248, train_loss: 0.4072, step time: 0.3669  
Batch 243/248, train_loss: 0.9711, step time: 0.3760  
Batch 244/248, train_loss: 0.8093, step time: 0.3796  
Batch 245/248, train_loss: 0.1529, step time: 0.3834  
Batch 246/248, train_loss: 0.9421, step time: 0.3539  
Batch 247/248, train_loss: 0.1237, step time: 0.3507  
Batch 248/248, train_loss: 1.0000, step time: 0.3705
```

Labels



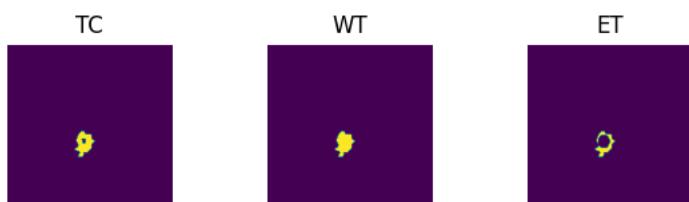
Predictions



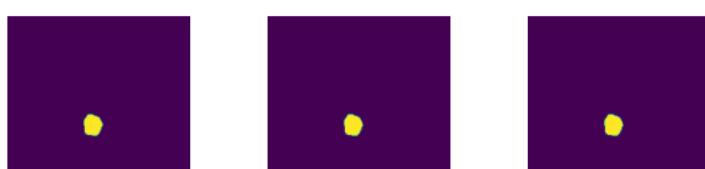
VAL

```
Batch 1/31, val_loss: 0.7977  
Batch 2/31, val_loss: 0.9424  
Batch 3/31, val_loss: 0.8642  
Batch 4/31, val_loss: 0.9153  
Batch 5/31, val_loss: 0.9857  
Batch 6/31, val_loss: 0.1356  
Batch 7/31, val_loss: 0.7132  
Batch 8/31, val_loss: 0.9350  
Batch 9/31, val_loss: 0.1582  
Batch 10/31, val_loss: 0.8615  
Batch 11/31, val_loss: 0.7880  
Batch 12/31, val_loss: 0.8947  
Batch 13/31, val_loss: 0.9195  
Batch 14/31, val_loss: 0.7096  
Batch 15/31, val_loss: 0.8932  
Batch 16/31, val_loss: 0.9709  
Batch 17/31, val_loss: 0.9699  
Batch 18/31, val_loss: 0.9075  
Batch 19/31, val_loss: 0.2682  
Batch 20/31, val_loss: 0.8558  
Batch 21/31, val_loss: 0.8914  
Batch 22/31, val_loss: 0.9852  
Batch 23/31, val_loss: 0.8061  
Batch 24/31, val_loss: 0.0594  
Batch 25/31, val_loss: 0.5699  
Batch 26/31, val_loss: 0.9235  
Batch 27/31, val_loss: 0.9369  
Batch 28/31, val_loss: 0.4534  
Batch 29/31, val_loss: 0.9873  
Batch 30/31, val_loss: 0.8645  
Batch 31/31, val_loss: 0.9731
```

Labels



Predictions



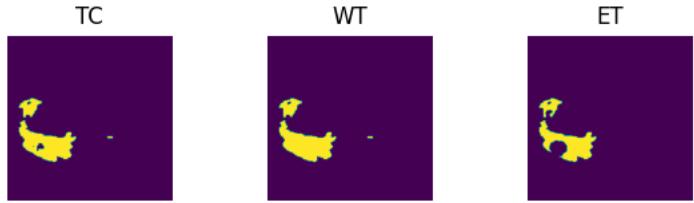
```
epoch 87
    average train loss: 0.4852
    average validation loss: 0.7721
    saved as best model: False
    current mean dice: 0.3763
    current TC dice: 0.3981
    current WT dice: 0.4059
    current ET dice: 0.3593
Best Mean Metric: 0.3767
time consuming of epoch 87 is: 1410.7615
-----
epoch 88/100
TRAIN
    Batch 1/248, train_loss: 0.1223, step time: 0.3649
    Batch 2/248, train_loss: 0.9999, step time: 0.3457
    Batch 3/248, train_loss: 0.6996, step time: 0.3658
    Batch 4/248, train_loss: 1.0000, step time: 0.3442
    Batch 5/248, train_loss: 0.4543, step time: 0.3454
    Batch 6/248, train_loss: 0.6327, step time: 0.3650
    Batch 7/248, train_loss: 0.1076, step time: 0.3442
    Batch 8/248, train_loss: 0.7356, step time: 0.3537
    Batch 9/248, train_loss: 0.0695, step time: 0.3652
    Batch 10/248, train_loss: 0.4809, step time: 0.3702
    Batch 11/248, train_loss: 0.3717, step time: 0.3575
    Batch 12/248, train_loss: 0.9874, step time: 0.3818
    Batch 13/248, train_loss: 0.8095, step time: 0.3854
    Batch 14/248, train_loss: 0.0775, step time: 0.3862
    Batch 15/248, train_loss: 0.5347, step time: 0.3435
    Batch 16/248, train_loss: 0.2734, step time: 0.3640
    Batch 17/248, train_loss: 0.9829, step time: 0.3457
    Batch 18/248, train_loss: 0.8472, step time: 0.3884
    Batch 19/248, train_loss: 0.1707, step time: 0.3717
    Batch 20/248, train_loss: 0.4094, step time: 0.3771
    Batch 21/248, train_loss: 0.0889, step time: 0.3494
    Batch 22/248, train_loss: 0.9995, step time: 0.3628
    Batch 23/248, train_loss: 1.0000, step time: 0.3634
    Batch 24/248, train_loss: 0.1466, step time: 0.3552
    Batch 25/248, train_loss: 0.1227, step time: 0.3663
    Batch 26/248, train_loss: 0.8837, step time: 0.3715
    Batch 27/248, train_loss: 0.1028, step time: 0.3446
    Batch 28/248, train_loss: 0.3120, step time: 0.3707
    Batch 29/248, train_loss: 0.9403, step time: 0.3511
    Batch 30/248, train_loss: 0.9200, step time: 0.3460
    Batch 31/248, train_loss: 0.5011, step time: 0.3571
    Batch 32/248, train_loss: 0.1347, step time: 0.3543
    Batch 33/248, train_loss: 0.1061, step time: 0.3504
    Batch 34/248, train_loss: 0.0696, step time: 0.3777
    Batch 35/248, train_loss: 0.0780, step time: 0.3732
    Batch 36/248, train_loss: 0.9963, step time: 0.3647
    Batch 37/248, train_loss: 0.2634, step time: 0.3747
    Batch 38/248, train_loss: 0.4267, step time: 0.3474
    Batch 39/248, train_loss: 0.3209, step time: 0.3852
    Batch 40/248, train_loss: 1.0000, step time: 0.3643
    Batch 41/248, train_loss: 0.2546, step time: 0.3743
    Batch 42/248, train_loss: 0.1002, step time: 0.3432
    Batch 43/248, train_loss: 0.0875, step time: 0.3719
    Batch 44/248, train_loss: 0.1937, step time: 0.3458
    Batch 45/248, train_loss: 0.7032, step time: 0.3687
    Batch 46/248, train_loss: 0.2679, step time: 0.3501
    Batch 47/248, train_loss: 0.1388, step time: 0.3793
    Batch 48/248, train_loss: 0.3037, step time: 0.3766
    Batch 49/248, train_loss: 0.8582, step time: 0.3734
    Batch 50/248, train_loss: 0.2826, step time: 0.3782
    Batch 51/248, train_loss: 0.2795, step time: 0.3628
    Batch 52/248, train_loss: 0.2238, step time: 0.3461
    Batch 53/248, train_loss: 0.6834, step time: 0.3630
    Batch 54/248, train_loss: 0.3358, step time: 0.3621
    Batch 55/248, train_loss: 0.4314, step time: 0.3486
    Batch 56/248, train_loss: 0.3413, step time: 0.3499
    Batch 57/248, train_loss: 0.3898, step time: 0.3720
    Batch 58/248, train_loss: 0.1128, step time: 0.3559
    Batch 59/248, train_loss: 0.1757, step time: 0.3893
    Batch 60/248, train_loss: 0.1362, step time: 0.3569
    Batch 61/248, train_loss: 0.1660, step time: 0.3467
    Batch 62/248, train_loss: 0.4345, step time: 0.3513
    Batch 63/248, train_loss: 0.9275, step time: 0.3508
    Batch 64/248, train_loss: 0.8876, step time: 0.3809
    Batch 65/248, train_loss: 0.6109, step time: 0.3531
    Batch 66/248, train_loss: 0.3020, step time: 0.3683
    Batch 67/248, train_loss: 0.1309, step time: 0.3511
    Batch 68/248, train_loss: 0.1445, step time: 0.3665
    Batch 69/248, train_loss: 1.0000, step time: 0.3747
    Batch 70/248, train_loss: 0.2135, step time: 0.3721
```

Batch 71/248, train_loss: 0.2465, step time: 0.3737
Batch 72/248, train_loss: 0.0941, step time: 0.3584
Batch 73/248, train_loss: 0.3746, step time: 0.3512
Batch 74/248, train_loss: 0.9974, step time: 0.3831
Batch 75/248, train_loss: 0.2261, step time: 0.3867
Batch 76/248, train_loss: 0.9685, step time: 0.3881
Batch 77/248, train_loss: 0.9991, step time: 0.3530
Batch 78/248, train_loss: 0.2946, step time: 0.3808
Batch 79/248, train_loss: 0.2743, step time: 0.3609
Batch 80/248, train_loss: 0.7524, step time: 0.3757
Batch 81/248, train_loss: 0.8321, step time: 0.3790
Batch 82/248, train_loss: 0.1740, step time: 0.3861
Batch 83/248, train_loss: 0.9868, step time: 0.3813
Batch 84/248, train_loss: 0.5068, step time: 0.3631
Batch 85/248, train_loss: 0.9808, step time: 0.3830
Batch 86/248, train_loss: 0.4140, step time: 0.3446
Batch 87/248, train_loss: 0.9625, step time: 0.3644
Batch 88/248, train_loss: 0.8775, step time: 0.3507
Batch 89/248, train_loss: 0.1029, step time: 0.3672
Batch 90/248, train_loss: 0.6934, step time: 0.3798
Batch 91/248, train_loss: 0.9576, step time: 0.3463
Batch 92/248, train_loss: 0.4511, step time: 0.3435
Batch 93/248, train_loss: 0.2300, step time: 0.3741
Batch 94/248, train_loss: 0.9144, step time: 0.3563
Batch 95/248, train_loss: 0.2558, step time: 0.3456
Batch 96/248, train_loss: 0.3588, step time: 0.3547
Batch 97/248, train_loss: 0.9999, step time: 0.3652
Batch 98/248, train_loss: 0.2087, step time: 0.3449
Batch 99/248, train_loss: 0.9103, step time: 0.3606
Batch 100/248, train_loss: 0.9790, step time: 0.3859
Batch 101/248, train_loss: 0.1092, step time: 0.3495
Batch 102/248, train_loss: 0.2410, step time: 0.3843
Batch 103/248, train_loss: 0.9206, step time: 0.3809
Batch 104/248, train_loss: 0.4185, step time: 0.3696
Batch 105/248, train_loss: 0.1427, step time: 0.3673
Batch 106/248, train_loss: 0.3353, step time: 0.3886
Batch 107/248, train_loss: 0.8495, step time: 0.3441
Batch 108/248, train_loss: 0.8781, step time: 0.3524
Batch 109/248, train_loss: 0.9619, step time: 0.3821
Batch 110/248, train_loss: 0.5267, step time: 0.3443
Batch 111/248, train_loss: 0.1656, step time: 0.3730
Batch 112/248, train_loss: 0.2488, step time: 0.3688
Batch 113/248, train_loss: 0.9999, step time: 0.3646
Batch 114/248, train_loss: 0.2287, step time: 0.3431
Batch 115/248, train_loss: 0.2451, step time: 0.3499
Batch 116/248, train_loss: 0.1064, step time: 0.3523
Batch 117/248, train_loss: 0.9635, step time: 0.3790
Batch 118/248, train_loss: 0.7818, step time: 0.3750
Batch 119/248, train_loss: 0.4529, step time: 0.3815
Batch 120/248, train_loss: 0.3336, step time: 0.3679
Batch 121/248, train_loss: 0.6158, step time: 0.3895
Batch 122/248, train_loss: 0.8689, step time: 0.3606
Batch 123/248, train_loss: 0.1118, step time: 0.3463
Batch 124/248, train_loss: 0.6990, step time: 0.3918
Batch 125/248, train_loss: 0.9553, step time: 0.3758
Batch 126/248, train_loss: 0.2221, step time: 0.3483
Batch 127/248, train_loss: 0.2174, step time: 0.3458
Batch 128/248, train_loss: 0.6150, step time: 0.3453
Batch 129/248, train_loss: 0.1626, step time: 0.3466
Batch 130/248, train_loss: 0.1638, step time: 0.3693
Batch 131/248, train_loss: 0.8412, step time: 0.3572
Batch 132/248, train_loss: 0.6597, step time: 0.3780
Batch 133/248, train_loss: 0.1549, step time: 0.3823
Batch 134/248, train_loss: 0.9999, step time: 0.3506
Batch 135/248, train_loss: 0.7577, step time: 0.3629
Batch 136/248, train_loss: 0.2104, step time: 0.3592
Batch 137/248, train_loss: 0.1524, step time: 0.3702
Batch 138/248, train_loss: 0.1166, step time: 0.3831
Batch 139/248, train_loss: 0.2149, step time: 0.3707
Batch 140/248, train_loss: 0.2582, step time: 0.3465
Batch 141/248, train_loss: 0.2766, step time: 0.3877
Batch 142/248, train_loss: 0.9748, step time: 0.3692
Batch 143/248, train_loss: 0.3996, step time: 0.3487
Batch 144/248, train_loss: 0.1725, step time: 0.3493
Batch 145/248, train_loss: 0.0814, step time: 0.3510
Batch 146/248, train_loss: 0.9962, step time: 0.3891
Batch 147/248, train_loss: 0.0715, step time: 0.3463
Batch 148/248, train_loss: 0.9282, step time: 0.3512
Batch 149/248, train_loss: 0.2579, step time: 0.3667
Batch 150/248, train_loss: 0.6038, step time: 0.3870
Batch 151/248, train_loss: 0.7874, step time: 0.3668
Batch 152/248, train_loss: 0.0670, step time: 0.3430
Batch 153/248, train_loss: 0.6411, step time: 0.3807
Batch 154/248, train_loss: 0.9150, step time: 0.3493
Batch 155/248, train_loss: 0.1855, step time: 0.3691

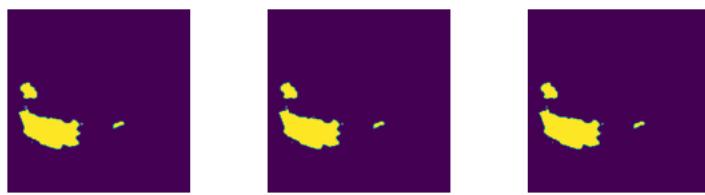
Batch 156/248, train_loss: 0.3745, step time: 0.3537
Batch 157/248, train_loss: 0.4033, step time: 0.3886
Batch 158/248, train_loss: 0.9991, step time: 0.3439
Batch 159/248, train_loss: 0.9957, step time: 0.3853
Batch 160/248, train_loss: 0.1169, step time: 0.3495
Batch 161/248, train_loss: 0.1062, step time: 0.3413
Batch 162/248, train_loss: 0.1122, step time: 0.3606
Batch 163/248, train_loss: 0.6387, step time: 0.3548
Batch 164/248, train_loss: 0.2475, step time: 0.3727
Batch 165/248, train_loss: 0.9993, step time: 0.3838
Batch 166/248, train_loss: 0.3011, step time: 0.3482
Batch 167/248, train_loss: 0.3088, step time: 0.3856
Batch 168/248, train_loss: 0.2583, step time: 0.3810
Batch 169/248, train_loss: 0.1899, step time: 0.3508
Batch 170/248, train_loss: 0.9039, step time: 0.3577
Batch 171/248, train_loss: 0.1267, step time: 0.3716
Batch 172/248, train_loss: 0.9974, step time: 0.3474
Batch 173/248, train_loss: 0.1202, step time: 0.3452
Batch 174/248, train_loss: 0.9998, step time: 0.3446
Batch 175/248, train_loss: 0.2285, step time: 0.3458
Batch 176/248, train_loss: 0.4720, step time: 0.3455
Batch 177/248, train_loss: 0.9745, step time: 0.3463
Batch 178/248, train_loss: 0.3138, step time: 0.3541
Batch 179/248, train_loss: 0.1325, step time: 0.3544
Batch 180/248, train_loss: 0.4647, step time: 0.3498
Batch 181/248, train_loss: 0.1802, step time: 0.3424
Batch 182/248, train_loss: 0.8944, step time: 0.3776
Batch 183/248, train_loss: 0.2689, step time: 0.3787
Batch 184/248, train_loss: 0.6453, step time: 0.3829
Batch 185/248, train_loss: 0.1622, step time: 0.3545
Batch 186/248, train_loss: 0.1439, step time: 0.3749
Batch 187/248, train_loss: 0.2794, step time: 0.3687
Batch 188/248, train_loss: 0.3104, step time: 0.3572
Batch 189/248, train_loss: 0.9862, step time: 0.3594
Batch 190/248, train_loss: 0.2569, step time: 0.3535
Batch 191/248, train_loss: 0.9852, step time: 0.3847
Batch 192/248, train_loss: 0.4031, step time: 0.3515
Batch 193/248, train_loss: 0.5023, step time: 0.3468
Batch 194/248, train_loss: 0.1847, step time: 0.3837
Batch 195/248, train_loss: 1.0000, step time: 0.3481
Batch 196/248, train_loss: 1.0000, step time: 0.3486
Batch 197/248, train_loss: 0.3852, step time: 0.3659
Batch 198/248, train_loss: 0.9998, step time: 0.3512
Batch 199/248, train_loss: 0.2102, step time: 0.3620
Batch 200/248, train_loss: 0.2250, step time: 0.3544
Batch 201/248, train_loss: 0.1970, step time: 0.3525
Batch 202/248, train_loss: 0.5837, step time: 0.3809
Batch 203/248, train_loss: 0.9621, step time: 0.3810
Batch 204/248, train_loss: 0.1236, step time: 0.3885
Batch 205/248, train_loss: 0.6063, step time: 0.3527
Batch 206/248, train_loss: 0.9463, step time: 0.3689
Batch 207/248, train_loss: 0.1116, step time: 0.3628
Batch 208/248, train_loss: 0.2194, step time: 0.3633
Batch 209/248, train_loss: 0.2033, step time: 0.3750
Batch 210/248, train_loss: 0.0992, step time: 0.3453
Batch 211/248, train_loss: 0.1153, step time: 0.3467
Batch 212/248, train_loss: 0.3523, step time: 0.3649
Batch 213/248, train_loss: 0.2562, step time: 0.3766
Batch 214/248, train_loss: 0.1375, step time: 0.3733
Batch 215/248, train_loss: 0.3394, step time: 0.3550
Batch 216/248, train_loss: 0.3428, step time: 0.3736
Batch 217/248, train_loss: 0.5493, step time: 0.3662
Batch 218/248, train_loss: 0.9838, step time: 0.3456
Batch 219/248, train_loss: 0.1118, step time: 0.3853
Batch 220/248, train_loss: 0.4215, step time: 0.3879
Batch 221/248, train_loss: 0.4090, step time: 0.3435
Batch 222/248, train_loss: 0.2330, step time: 0.3542
Batch 223/248, train_loss: 0.0801, step time: 0.3767
Batch 224/248, train_loss: 0.1254, step time: 0.3754
Batch 225/248, train_loss: 0.8970, step time: 0.3660
Batch 226/248, train_loss: 0.5833, step time: 0.3691
Batch 227/248, train_loss: 0.2073, step time: 0.3866
Batch 228/248, train_loss: 0.3249, step time: 0.3686
Batch 229/248, train_loss: 0.1690, step time: 0.3514
Batch 230/248, train_loss: 0.1769, step time: 0.3781
Batch 231/248, train_loss: 0.9957, step time: 0.3530
Batch 232/248, train_loss: 0.1638, step time: 0.3564
Batch 233/248, train_loss: 1.0000, step time: 0.3832
Batch 234/248, train_loss: 0.9205, step time: 0.3922
Batch 235/248, train_loss: 0.9361, step time: 0.3628
Batch 236/248, train_loss: 0.9997, step time: 0.3504
Batch 237/248, train_loss: 0.2339, step time: 0.3727
Batch 238/248, train_loss: 0.1328, step time: 0.3521
Batch 239/248, train_loss: 0.1486, step time: 0.3698
Batch 240/248, train_loss: 0.3826, step time: 0.3566

```
Batch 240/248, train_loss: 0.9090, step time: 0.3550
Batch 241/248, train_loss: 1.0000, step time: 0.3444
Batch 242/248, train_loss: 0.3898, step time: 0.3533
Batch 243/248, train_loss: 0.9349, step time: 0.3731
Batch 244/248, train_loss: 0.8512, step time: 0.3436
Batch 245/248, train_loss: 0.1492, step time: 0.3723
Batch 246/248, train_loss: 0.9133, step time: 0.3611
Batch 247/248, train_loss: 0.1135, step time: 0.3611
Batch 248/248, train_loss: 1.0000, step time: 0.3428
```

Labels



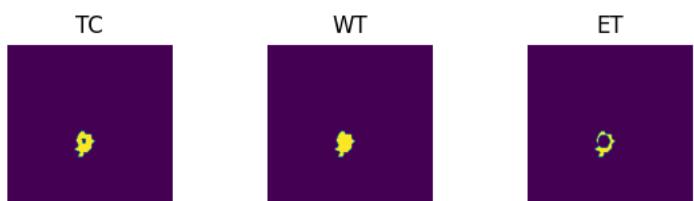
Predictions



VAL

```
Batch 1/31, val_loss: 0.7601
Batch 2/31, val_loss: 0.9071
Batch 3/31, val_loss: 0.7793
Batch 4/31, val_loss: 0.8483
Batch 5/31, val_loss: 0.9763
Batch 6/31, val_loss: 0.1392
Batch 7/31, val_loss: 0.6542
Batch 8/31, val_loss: 0.8936
Batch 9/31, val_loss: 0.1374
Batch 10/31, val_loss: 0.7532
Batch 11/31, val_loss: 0.7563
Batch 12/31, val_loss: 0.8350
Batch 13/31, val_loss: 0.9317
Batch 14/31, val_loss: 0.6203
Batch 15/31, val_loss: 0.8701
Batch 16/31, val_loss: 0.9557
Batch 17/31, val_loss: 0.9323
Batch 18/31, val_loss: 0.8456
Batch 19/31, val_loss: 0.2329
Batch 20/31, val_loss: 0.8184
Batch 21/31, val_loss: 0.8662
Batch 22/31, val_loss: 0.9763
Batch 23/31, val_loss: 0.8114
Batch 24/31, val_loss: 0.0617
Batch 25/31, val_loss: 0.4924
Batch 26/31, val_loss: 0.9155
Batch 27/31, val_loss: 0.8491
Batch 28/31, val_loss: 0.4060
Batch 29/31, val_loss: 0.9748
Batch 30/31, val_loss: 0.7910
Batch 31/31, val_loss: 0.9607
```

Labels



Predictions



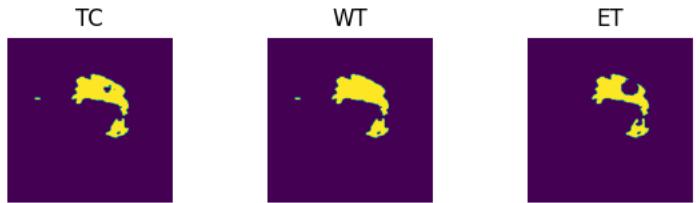
```
epoch 88
    average train loss: 0.4820
    average validation loss: 0.7339
    saved as best model: True
    current mean dice: 0.3876
    current TC dice: 0.4101
    current WT dice: 0.4180
    current ET dice: 0.3697
Best Mean Metric: 0.3876
time consuming of epoch 88 is: 1402.6976
-----
epoch 89/100
TRAIN
    Batch 1/248, train_loss: 0.1168, step time: 0.3881
    Batch 2/248, train_loss: 0.9881, step time: 0.3465
    Batch 3/248, train_loss: 0.6917, step time: 0.3450
    Batch 4/248, train_loss: 1.0000, step time: 0.3433
    Batch 5/248, train_loss: 0.4698, step time: 0.3812
    Batch 6/248, train_loss: 0.4815, step time: 0.3605
    Batch 7/248, train_loss: 0.1068, step time: 0.3826
    Batch 8/248, train_loss: 0.7357, step time: 0.3537
    Batch 9/248, train_loss: 0.0684, step time: 0.3450
    Batch 10/248, train_loss: 0.4706, step time: 0.3453
    Batch 11/248, train_loss: 0.3180, step time: 0.3880
    Batch 12/248, train_loss: 0.9538, step time: 0.3637
    Batch 13/248, train_loss: 0.7666, step time: 0.3620
    Batch 14/248, train_loss: 0.0840, step time: 0.3831
    Batch 15/248, train_loss: 0.5462, step time: 0.3652
    Batch 16/248, train_loss: 0.3113, step time: 0.3499
    Batch 17/248, train_loss: 0.9353, step time: 0.3483
    Batch 18/248, train_loss: 0.9318, step time: 0.3721
    Batch 19/248, train_loss: 0.2264, step time: 0.3664
    Batch 20/248, train_loss: 0.3663, step time: 0.3874
    Batch 21/248, train_loss: 0.0833, step time: 0.3440
    Batch 22/248, train_loss: 0.9974, step time: 0.3465
    Batch 23/248, train_loss: 0.9999, step time: 0.3830
    Batch 24/248, train_loss: 0.1638, step time: 0.3869
    Batch 25/248, train_loss: 0.1285, step time: 0.3721
    Batch 26/248, train_loss: 0.8669, step time: 0.3471
    Batch 27/248, train_loss: 0.1236, step time: 0.3790
    Batch 28/248, train_loss: 0.2360, step time: 0.3875
    Batch 29/248, train_loss: 0.9231, step time: 0.3446
    Batch 30/248, train_loss: 0.3738, step time: 0.3584
    Batch 31/248, train_loss: 0.4519, step time: 0.3704
    Batch 32/248, train_loss: 0.1443, step time: 0.3552
    Batch 33/248, train_loss: 0.1113, step time: 0.3678
    Batch 34/248, train_loss: 0.0735, step time: 0.3469
    Batch 35/248, train_loss: 0.0875, step time: 0.3475
    Batch 36/248, train_loss: 0.9977, step time: 0.3667
    Batch 37/248, train_loss: 0.2557, step time: 0.3665
    Batch 38/248, train_loss: 0.4228, step time: 0.3853
    Batch 39/248, train_loss: 0.2452, step time: 0.3483
    Batch 40/248, train_loss: 0.9993, step time: 0.3717
    Batch 41/248, train_loss: 0.2863, step time: 0.3471
    Batch 42/248, train_loss: 0.0919, step time: 0.3491
    Batch 43/248, train_loss: 0.0891, step time: 0.3430
    Batch 44/248, train_loss: 0.2591, step time: 0.3803
    Batch 45/248, train_loss: 0.5348, step time: 0.3772
    Batch 46/248, train_loss: 0.2617, step time: 0.3843
    Batch 47/248, train_loss: 0.1391, step time: 0.3601
    Batch 48/248, train_loss: 0.2733, step time: 0.3724
    Batch 49/248, train_loss: 0.7567, step time: 0.3612
    Batch 50/248, train_loss: 0.2756, step time: 0.3672
    Batch 51/248, train_loss: 0.2550, step time: 0.3520
    Batch 52/248, train_loss: 0.2329, step time: 0.3453
    Batch 53/248, train_loss: 0.6854, step time: 0.3671
    Batch 54/248, train_loss: 0.3584, step time: 0.3511
    Batch 55/248, train_loss: 0.4430, step time: 0.3456
    Batch 56/248, train_loss: 0.2944, step time: 0.3746
    Batch 57/248, train_loss: 0.4295, step time: 0.3544
    Batch 58/248, train_loss: 0.1361, step time: 0.3801
    Batch 59/248, train_loss: 0.1673, step time: 0.3485
    Batch 60/248, train_loss: 0.1206, step time: 0.3585
    Batch 61/248, train_loss: 0.1633, step time: 0.3634
    Batch 62/248, train_loss: 0.4482, step time: 0.3516
    Batch 63/248, train_loss: 0.9115, step time: 0.3789
    Batch 64/248, train_loss: 0.9045, step time: 0.3701
    Batch 65/248, train_loss: 0.4622, step time: 0.3674
    Batch 66/248, train_loss: 0.2877, step time: 0.3677
    Batch 67/248, train_loss: 0.1394, step time: 0.3804
    Batch 68/248, train_loss: 0.1936, step time: 0.3729
    Batch 69/248, train_loss: 0.9931, step time: 0.3525
    Batch 70/248, train_loss: 0.2366, step time: 0.3587
```

Batch 71/248, train_loss: 0.2538, step time: 0.3734
Batch 72/248, train_loss: 0.1094, step time: 0.3872
Batch 73/248, train_loss: 0.2842, step time: 0.3784
Batch 74/248, train_loss: 0.9971, step time: 0.3604
Batch 75/248, train_loss: 0.2195, step time: 0.3434
Batch 76/248, train_loss: 0.8778, step time: 0.3439
Batch 77/248, train_loss: 0.9993, step time: 0.3449
Batch 78/248, train_loss: 0.1664, step time: 0.3624
Batch 79/248, train_loss: 0.1912, step time: 0.3530
Batch 80/248, train_loss: 0.3758, step time: 0.3583
Batch 81/248, train_loss: 0.3529, step time: 0.3878
Batch 82/248, train_loss: 0.1574, step time: 0.3726
Batch 83/248, train_loss: 0.9529, step time: 0.3761
Batch 84/248, train_loss: 0.4488, step time: 0.3630
Batch 85/248, train_loss: 0.9690, step time: 0.3686
Batch 86/248, train_loss: 0.3268, step time: 0.3429
Batch 87/248, train_loss: 0.9356, step time: 0.3814
Batch 88/248, train_loss: 0.8005, step time: 0.3630
Batch 89/248, train_loss: 0.1046, step time: 0.3564
Batch 90/248, train_loss: 0.5949, step time: 0.3682
Batch 91/248, train_loss: 0.9380, step time: 0.3587
Batch 92/248, train_loss: 0.4672, step time: 0.3817
Batch 93/248, train_loss: 0.2121, step time: 0.3447
Batch 94/248, train_loss: 0.8039, step time: 0.3908
Batch 95/248, train_loss: 0.2484, step time: 0.3827
Batch 96/248, train_loss: 0.3209, step time: 0.3420
Batch 97/248, train_loss: 1.0000, step time: 0.3566
Batch 98/248, train_loss: 0.2319, step time: 0.3744
Batch 99/248, train_loss: 0.8182, step time: 0.3514
Batch 100/248, train_loss: 0.9993, step time: 0.3672
Batch 101/248, train_loss: 0.0753, step time: 0.3463
Batch 102/248, train_loss: 0.2164, step time: 0.3449
Batch 103/248, train_loss: 0.9446, step time: 0.3633
Batch 104/248, train_loss: 0.4046, step time: 0.3928
Batch 105/248, train_loss: 0.1272, step time: 0.3532
Batch 106/248, train_loss: 0.3021, step time: 0.3870
Batch 107/248, train_loss: 0.8419, step time: 0.3421
Batch 108/248, train_loss: 0.9334, step time: 0.3579
Batch 109/248, train_loss: 0.9989, step time: 0.3666
Batch 110/248, train_loss: 0.5269, step time: 0.3454
Batch 111/248, train_loss: 0.1499, step time: 0.3553
Batch 112/248, train_loss: 0.2269, step time: 0.3450
Batch 113/248, train_loss: 1.0000, step time: 0.3897
Batch 114/248, train_loss: 0.2130, step time: 0.3749
Batch 115/248, train_loss: 0.2037, step time: 0.3437
Batch 116/248, train_loss: 0.1056, step time: 0.3834
Batch 117/248, train_loss: 0.9649, step time: 0.3825
Batch 118/248, train_loss: 0.8153, step time: 0.3854
Batch 119/248, train_loss: 0.3909, step time: 0.3607
Batch 120/248, train_loss: 0.3213, step time: 0.3475
Batch 121/248, train_loss: 0.6223, step time: 0.3771
Batch 122/248, train_loss: 0.8013, step time: 0.3533
Batch 123/248, train_loss: 0.1106, step time: 0.3578
Batch 124/248, train_loss: 0.6440, step time: 0.3825
Batch 125/248, train_loss: 0.9255, step time: 0.3441
Batch 126/248, train_loss: 0.2772, step time: 0.3480
Batch 127/248, train_loss: 0.2086, step time: 0.3798
Batch 128/248, train_loss: 0.3110, step time: 0.3447
Batch 129/248, train_loss: 0.1625, step time: 0.3855
Batch 130/248, train_loss: 0.1727, step time: 0.3767
Batch 131/248, train_loss: 0.8301, step time: 0.3885
Batch 132/248, train_loss: 0.5226, step time: 0.3454
Batch 133/248, train_loss: 0.1976, step time: 0.3470
Batch 134/248, train_loss: 1.0000, step time: 0.3505
Batch 135/248, train_loss: 0.9993, step time: 0.3879
Batch 136/248, train_loss: 0.2097, step time: 0.3490
Batch 137/248, train_loss: 0.2354, step time: 0.3600
Batch 138/248, train_loss: 0.1187, step time: 0.3813
Batch 139/248, train_loss: 0.2486, step time: 0.3546
Batch 140/248, train_loss: 0.2587, step time: 0.3706
Batch 141/248, train_loss: 0.3522, step time: 0.3810
Batch 142/248, train_loss: 0.9990, step time: 0.3659
Batch 143/248, train_loss: 0.4097, step time: 0.3438
Batch 144/248, train_loss: 0.1704, step time: 0.3808
Batch 145/248, train_loss: 0.0846, step time: 0.3545
Batch 146/248, train_loss: 0.9996, step time: 0.3432
Batch 147/248, train_loss: 0.0662, step time: 0.3464
Batch 148/248, train_loss: 0.9615, step time: 0.3444
Batch 149/248, train_loss: 0.2426, step time: 0.3900
Batch 150/248, train_loss: 0.6266, step time: 0.3750
Batch 151/248, train_loss: 0.8899, step time: 0.3827
Batch 152/248, train_loss: 0.0766, step time: 0.3687
Batch 153/248, train_loss: 0.6111, step time: 0.3667
Batch 154/248, train_loss: 0.9349, step time: 0.3855
Batch 155/248, train_loss: 0.2651, step time: 0.3660

Batch 148/248, train_loss: 0.2051, step time: 0.3609
Batch 156/248, train_loss: 0.2051, step time: 0.3904
Batch 157/248, train_loss: 0.4019, step time: 0.3430
Batch 158/248, train_loss: 0.9987, step time: 0.3822
Batch 159/248, train_loss: 0.9859, step time: 0.3637
Batch 160/248, train_loss: 0.1410, step time: 0.3863
Batch 161/248, train_loss: 0.1058, step time: 0.3767
Batch 162/248, train_loss: 0.1116, step time: 0.3663
Batch 163/248, train_loss: 0.5826, step time: 0.3818
Batch 164/248, train_loss: 0.2338, step time: 0.3699
Batch 165/248, train_loss: 0.9992, step time: 0.3485
Batch 166/248, train_loss: 0.3088, step time: 0.3869
Batch 167/248, train_loss: 0.3213, step time: 0.3443
Batch 168/248, train_loss: 0.2631, step time: 0.3724
Batch 169/248, train_loss: 0.1870, step time: 0.3753
Batch 170/248, train_loss: 0.9459, step time: 0.3445
Batch 171/248, train_loss: 0.1140, step time: 0.3846
Batch 172/248, train_loss: 0.9999, step time: 0.3726
Batch 173/248, train_loss: 0.1212, step time: 0.3538
Batch 174/248, train_loss: 0.9893, step time: 0.3745
Batch 175/248, train_loss: 0.1988, step time: 0.3829
Batch 176/248, train_loss: 0.5094, step time: 0.3489
Batch 177/248, train_loss: 0.9991, step time: 0.3695
Batch 178/248, train_loss: 0.3574, step time: 0.3446
Batch 179/248, train_loss: 0.1173, step time: 0.3602
Batch 180/248, train_loss: 0.4091, step time: 0.3596
Batch 181/248, train_loss: 0.1605, step time: 0.3488
Batch 182/248, train_loss: 0.9188, step time: 0.3653
Batch 183/248, train_loss: 0.2670, step time: 0.3657
Batch 184/248, train_loss: 0.4539, step time: 0.3794
Batch 185/248, train_loss: 0.1534, step time: 0.3519
Batch 186/248, train_loss: 0.1513, step time: 0.3810
Batch 187/248, train_loss: 0.2558, step time: 0.3893
Batch 188/248, train_loss: 0.3225, step time: 0.3462
Batch 189/248, train_loss: 0.9856, step time: 0.3833
Batch 190/248, train_loss: 0.2257, step time: 0.3631
Batch 191/248, train_loss: 0.9683, step time: 0.3823
Batch 192/248, train_loss: 0.4011, step time: 0.3588
Batch 193/248, train_loss: 0.4606, step time: 0.3493
Batch 194/248, train_loss: 0.1571, step time: 0.3864
Batch 195/248, train_loss: 1.0000, step time: 0.3685
Batch 196/248, train_loss: 1.0000, step time: 0.3600
Batch 197/248, train_loss: 0.3395, step time: 0.3528
Batch 198/248, train_loss: 0.9999, step time: 0.3674
Batch 199/248, train_loss: 0.1969, step time: 0.3437
Batch 200/248, train_loss: 0.2188, step time: 0.3445
Batch 201/248, train_loss: 0.1703, step time: 0.3533
Batch 202/248, train_loss: 0.5649, step time: 0.3861
Batch 203/248, train_loss: 0.9025, step time: 0.3580
Batch 204/248, train_loss: 0.1598, step time: 0.3440
Batch 205/248, train_loss: 0.6171, step time: 0.3858
Batch 206/248, train_loss: 0.9372, step time: 0.3845
Batch 207/248, train_loss: 0.1260, step time: 0.3421
Batch 208/248, train_loss: 0.2674, step time: 0.3458
Batch 209/248, train_loss: 0.2191, step time: 0.3821
Batch 210/248, train_loss: 0.1163, step time: 0.3470
Batch 211/248, train_loss: 0.1237, step time: 0.3489
Batch 212/248, train_loss: 0.3510, step time: 0.3533
Batch 213/248, train_loss: 0.2529, step time: 0.3686
Batch 214/248, train_loss: 0.1403, step time: 0.3606
Batch 215/248, train_loss: 0.3615, step time: 0.3748
Batch 216/248, train_loss: 0.2566, step time: 0.3825
Batch 217/248, train_loss: 0.5337, step time: 0.3559
Batch 218/248, train_loss: 0.9863, step time: 0.3455
Batch 219/248, train_loss: 0.1005, step time: 0.3442
Batch 220/248, train_loss: 0.4053, step time: 0.3751
Batch 221/248, train_loss: 0.4380, step time: 0.3424
Batch 222/248, train_loss: 0.2618, step time: 0.3633
Batch 223/248, train_loss: 0.0800, step time: 0.3881
Batch 224/248, train_loss: 0.1287, step time: 0.3480
Batch 225/248, train_loss: 0.8981, step time: 0.3529
Batch 226/248, train_loss: 0.4640, step time: 0.3586
Batch 227/248, train_loss: 0.1827, step time: 0.3642
Batch 228/248, train_loss: 0.4414, step time: 0.3804
Batch 229/248, train_loss: 0.1686, step time: 0.3425
Batch 230/248, train_loss: 0.1802, step time: 0.3626
Batch 231/248, train_loss: 0.9833, step time: 0.3449
Batch 232/248, train_loss: 0.1407, step time: 0.3568
Batch 233/248, train_loss: 1.0000, step time: 0.3657
Batch 234/248, train_loss: 0.8690, step time: 0.3438
Batch 235/248, train_loss: 0.8966, step time: 0.3523
Batch 236/248, train_loss: 0.9996, step time: 0.3417
Batch 237/248, train_loss: 0.2314, step time: 0.3876
Batch 238/248, train_loss: 0.1310, step time: 0.3835
Batch 239/248, train_loss: 0.0976, step time: 0.3694

```
Batch 240/248, train_loss: 0.4589, step time: 0.3482  
Batch 241/248, train_loss: 1.0000, step time: 0.3795  
Batch 242/248, train_loss: 0.3758, step time: 0.3885  
Batch 243/248, train_loss: 0.9588, step time: 0.3499  
Batch 244/248, train_loss: 0.7994, step time: 0.3786  
Batch 245/248, train_loss: 0.1565, step time: 0.3697  
Batch 246/248, train_loss: 0.9373, step time: 0.3888  
Batch 247/248, train_loss: 0.1147, step time: 0.3768  
Batch 248/248, train_loss: 1.0000, step time: 0.3813
```

Labels



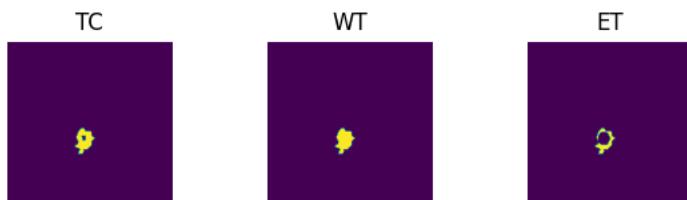
Predictions



VAL

```
Batch 1/31, val_loss: 0.7211  
Batch 2/31, val_loss: 0.8571  
Batch 3/31, val_loss: 0.6990  
Batch 4/31, val_loss: 0.7174  
Batch 5/31, val_loss: 0.9644  
Batch 6/31, val_loss: 0.1277  
Batch 7/31, val_loss: 0.6189  
Batch 8/31, val_loss: 0.8159  
Batch 9/31, val_loss: 0.1376  
Batch 10/31, val_loss: 0.6485  
Batch 11/31, val_loss: 0.6858  
Batch 12/31, val_loss: 0.7374  
Batch 13/31, val_loss: 0.8665  
Batch 14/31, val_loss: 0.5889  
Batch 15/31, val_loss: 0.6445  
Batch 16/31, val_loss: 0.9220  
Batch 17/31, val_loss: 0.9195  
Batch 18/31, val_loss: 0.7499  
Batch 19/31, val_loss: 0.2039  
Batch 20/31, val_loss: 0.7835  
Batch 21/31, val_loss: 0.8204  
Batch 22/31, val_loss: 0.9658  
Batch 23/31, val_loss: 0.6667  
Batch 24/31, val_loss: 0.0494  
Batch 25/31, val_loss: 0.4610  
Batch 26/31, val_loss: 0.8922  
Batch 27/31, val_loss: 0.7202  
Batch 28/31, val_loss: 0.3972  
Batch 29/31, val_loss: 0.9635  
Batch 30/31, val_loss: 0.6297  
Batch 31/31, val_loss: 0.9525
```

Labels



Predictions



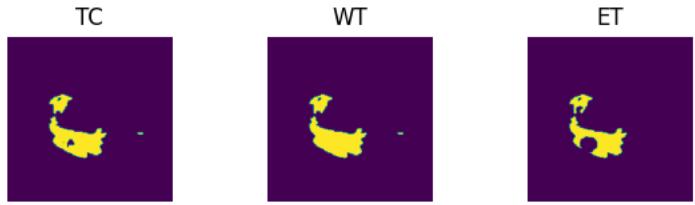
```
epoch 89
    average train loss: 0.4669
    average validation loss: 0.6751
    saved as best model: False
    current mean dice: 0.3832
    current TC dice: 0.4046
    current WT dice: 0.4129
    current ET dice: 0.3674
Best Mean Metric: 0.3876
time consuming of epoch 89 is: 1408.7282
-----
epoch 90/100
TRAIN
    Batch 1/248, train_loss: 0.1169, step time: 0.3871
    Batch 2/248, train_loss: 0.9842, step time: 0.3413
    Batch 3/248, train_loss: 0.6831, step time: 0.3538
    Batch 4/248, train_loss: 0.9982, step time: 0.3428
    Batch 5/248, train_loss: 0.3674, step time: 0.3781
    Batch 6/248, train_loss: 0.6087, step time: 0.3790
    Batch 7/248, train_loss: 0.0976, step time: 0.3715
    Batch 8/248, train_loss: 0.7150, step time: 0.3565
    Batch 9/248, train_loss: 0.0651, step time: 0.3432
    Batch 10/248, train_loss: 0.4929, step time: 0.3449
    Batch 11/248, train_loss: 0.3085, step time: 0.3423
    Batch 12/248, train_loss: 0.9633, step time: 0.3633
    Batch 13/248, train_loss: 0.7907, step time: 0.3837
    Batch 14/248, train_loss: 0.0812, step time: 0.3610
    Batch 15/248, train_loss: 0.4957, step time: 0.3466
    Batch 16/248, train_loss: 0.2795, step time: 0.3742
    Batch 17/248, train_loss: 0.9433, step time: 0.3499
    Batch 18/248, train_loss: 0.8346, step time: 0.3756
    Batch 19/248, train_loss: 0.2127, step time: 0.3583
    Batch 20/248, train_loss: 0.3631, step time: 0.3453
    Batch 21/248, train_loss: 0.1055, step time: 0.3458
    Batch 22/248, train_loss: 1.0000, step time: 0.3514
    Batch 23/248, train_loss: 0.9993, step time: 0.3726
    Batch 24/248, train_loss: 0.1569, step time: 0.3738
    Batch 25/248, train_loss: 0.1150, step time: 0.3447
    Batch 26/248, train_loss: 0.8781, step time: 0.3446
    Batch 27/248, train_loss: 0.1089, step time: 0.3467
    Batch 28/248, train_loss: 0.2549, step time: 0.3848
    Batch 29/248, train_loss: 0.8943, step time: 0.3438
    Batch 30/248, train_loss: 0.3451, step time: 0.3776
    Batch 31/248, train_loss: 0.4285, step time: 0.3462
    Batch 32/248, train_loss: 0.1301, step time: 0.3490
    Batch 33/248, train_loss: 0.1173, step time: 0.3439
    Batch 34/248, train_loss: 0.0713, step time: 0.3460
    Batch 35/248, train_loss: 0.0782, step time: 0.3699
    Batch 36/248, train_loss: 0.9998, step time: 0.3393
    Batch 37/248, train_loss: 0.2336, step time: 0.3478
    Batch 38/248, train_loss: 0.3976, step time: 0.3642
    Batch 39/248, train_loss: 0.2938, step time: 0.3779
    Batch 40/248, train_loss: 1.0000, step time: 0.3453
    Batch 41/248, train_loss: 0.2318, step time: 0.3755
    Batch 42/248, train_loss: 0.0961, step time: 0.3763
    Batch 43/248, train_loss: 0.0950, step time: 0.3835
    Batch 44/248, train_loss: 0.4924, step time: 0.3461
    Batch 45/248, train_loss: 0.5261, step time: 0.3749
    Batch 46/248, train_loss: 0.2236, step time: 0.3464
    Batch 47/248, train_loss: 0.1267, step time: 0.3511
    Batch 48/248, train_loss: 0.2254, step time: 0.3816
    Batch 49/248, train_loss: 0.7684, step time: 0.3454
    Batch 50/248, train_loss: 0.2927, step time: 0.3582
    Batch 51/248, train_loss: 0.2635, step time: 0.3528
    Batch 52/248, train_loss: 0.2192, step time: 0.3453
    Batch 53/248, train_loss: 0.6530, step time: 0.3687
    Batch 54/248, train_loss: 0.3532, step time: 0.3697
    Batch 55/248, train_loss: 0.4816, step time: 0.3676
    Batch 56/248, train_loss: 0.3224, step time: 0.3494
    Batch 57/248, train_loss: 0.3516, step time: 0.3725
    Batch 58/248, train_loss: 0.1193, step time: 0.3608
    Batch 59/248, train_loss: 0.1537, step time: 0.3780
    Batch 60/248, train_loss: 0.1189, step time: 0.3424
    Batch 61/248, train_loss: 0.1575, step time: 0.3403
    Batch 62/248, train_loss: 0.4199, step time: 0.3555
    Batch 63/248, train_loss: 0.8750, step time: 0.3531
    Batch 64/248, train_loss: 0.8230, step time: 0.3439
    Batch 65/248, train_loss: 0.4641, step time: 0.3511
    Batch 66/248, train_loss: 0.2547, step time: 0.3471
    Batch 67/248, train_loss: 0.1377, step time: 0.3456
    Batch 68/248, train_loss: 0.1458, step time: 0.3716
    Batch 69/248, train_loss: 1.0000, step time: 0.3472
```

```
Batch 0/248, train_loss: 0.2196, step time: 0.3562
Batch 1/248, train_loss: 0.2000, step time: 0.3610
Batch 2/248, train_loss: 0.1007, step time: 0.3691
Batch 3/248, train_loss: 0.2652, step time: 0.3557
Batch 4/248, train_loss: 0.9954, step time: 0.3469
Batch 5/248, train_loss: 0.2130, step time: 0.3679
Batch 6/248, train_loss: 0.9396, step time: 0.3741
Batch 7/248, train_loss: 0.9810, step time: 0.3487
Batch 8/248, train_loss: 0.2308, step time: 0.3802
Batch 9/248, train_loss: 0.2093, step time: 0.3752
Batch 10/248, train_loss: 0.3321, step time: 0.3465
Batch 11/248, train_loss: 0.3939, step time: 0.3689
Batch 12/248, train_loss: 0.1662, step time: 0.3438
Batch 13/248, train_loss: 0.9397, step time: 0.3443
Batch 14/248, train_loss: 0.4446, step time: 0.3819
Batch 15/248, train_loss: 0.9507, step time: 0.3741
Batch 16/248, train_loss: 0.3775, step time: 0.3565
Batch 17/248, train_loss: 0.9346, step time: 0.3528
Batch 18/248, train_loss: 0.7704, step time: 0.3568
Batch 19/248, train_loss: 0.1086, step time: 0.3613
Batch 20/248, train_loss: 0.4031, step time: 0.3537
Batch 21/248, train_loss: 0.9008, step time: 0.3711
Batch 22/248, train_loss: 0.4833, step time: 0.3761
Batch 23/248, train_loss: 0.2113, step time: 0.3800
Batch 24/248, train_loss: 0.8346, step time: 0.3648
Batch 25/248, train_loss: 0.2144, step time: 0.3441
Batch 26/248, train_loss: 0.2874, step time: 0.3543
Batch 27/248, train_loss: 0.9999, step time: 0.3814
Batch 28/248, train_loss: 0.1673, step time: 0.3401
Batch 29/248, train_loss: 0.7814, step time: 0.3757
Batch 30/248, train_loss: 0.9553, step time: 0.3414
Batch 31/248, train_loss: 0.0754, step time: 0.3711
Batch 32/248, train_loss: 0.2103, step time: 0.3474
Batch 33/248, train_loss: 0.9382, step time: 0.3403
Batch 34/248, train_loss: 0.3834, step time: 0.3827
Batch 35/248, train_loss: 0.1268, step time: 0.3463
Batch 36/248, train_loss: 0.3366, step time: 0.3497
Batch 37/248, train_loss: 0.8337, step time: 0.3742
Batch 38/248, train_loss: 0.7942, step time: 0.3784
Batch 39/248, train_loss: 0.9997, step time: 0.3584
Batch 40/248, train_loss: 0.4322, step time: 0.3399
Batch 41/248, train_loss: 0.1605, step time: 0.3803
Batch 42/248, train_loss: 0.2200, step time: 0.3815
Batch 43/248, train_loss: 1.0000, step time: 0.3674
Batch 44/248, train_loss: 0.2224, step time: 0.3768
Batch 45/248, train_loss: 0.2480, step time: 0.4098
Batch 46/248, train_loss: 0.1124, step time: 0.3448
Batch 47/248, train_loss: 0.9535, step time: 0.3408
Batch 48/248, train_loss: 0.7473, step time: 0.3460
Batch 49/248, train_loss: 0.4894, step time: 0.3528
Batch 50/248, train_loss: 0.3907, step time: 0.3799
Batch 51/248, train_loss: 0.5688, step time: 0.3640
Batch 52/248, train_loss: 0.8127, step time: 0.3645
Batch 53/248, train_loss: 0.1009, step time: 0.3858
Batch 54/248, train_loss: 0.5985, step time: 0.3840
Batch 55/248, train_loss: 0.9447, step time: 0.3819
Batch 56/248, train_loss: 0.2750, step time: 0.3525
Batch 57/248, train_loss: 0.2146, step time: 0.3873
Batch 58/248, train_loss: 0.3514, step time: 0.3656
Batch 59/248, train_loss: 0.1560, step time: 0.3427
Batch 60/248, train_loss: 0.1748, step time: 0.3614
Batch 61/248, train_loss: 0.8977, step time: 0.4099
Batch 62/248, train_loss: 0.4795, step time: 0.3787
Batch 63/248, train_loss: 0.2506, step time: 0.3453
Batch 64/248, train_loss: 1.0000, step time: 0.3632
Batch 65/248, train_loss: 0.6757, step time: 0.3607
Batch 66/248, train_loss: 0.2215, step time: 0.3811
Batch 67/248, train_loss: 0.1850, step time: 0.3642
Batch 68/248, train_loss: 0.1368, step time: 0.3467
Batch 69/248, train_loss: 0.3523, step time: 0.3519
Batch 70/248, train_loss: 0.2761, step time: 0.3728
Batch 71/248, train_loss: 0.3815, step time: 0.3672
Batch 72/248, train_loss: 0.9414, step time: 0.3492
Batch 73/248, train_loss: 0.4715, step time: 0.3658
Batch 74/248, train_loss: 0.1777, step time: 0.3780
Batch 75/248, train_loss: 0.1128, step time: 0.3703
Batch 76/248, train_loss: 0.9956, step time: 0.3773
Batch 77/248, train_loss: 0.0774, step time: 0.3435
Batch 78/248, train_loss: 0.9133, step time: 0.3458
Batch 79/248, train_loss: 0.2484, step time: 0.3499
Batch 80/248, train_loss: 0.6083, step time: 0.3430
Batch 81/248, train_loss: 0.7449, step time: 0.3891
Batch 82/248, train_loss: 0.0834, step time: 0.3879
Batch 83/248, train_loss: 0.6181, step time: 0.3704
Batch 84/248, train_loss: 0.9305, step time: 0.3862
```

Batch 155/248, train_loss: 0.1691, step time: 0.3570
Batch 156/248, train_loss: 0.3174, step time: 0.3601
Batch 157/248, train_loss: 0.4078, step time: 0.3544
Batch 158/248, train_loss: 0.9987, step time: 0.3807
Batch 159/248, train_loss: 0.9760, step time: 0.3686
Batch 160/248, train_loss: 0.1323, step time: 0.3678
Batch 161/248, train_loss: 0.1315, step time: 0.3449
Batch 162/248, train_loss: 0.1208, step time: 0.3479
Batch 163/248, train_loss: 0.5382, step time: 0.3833
Batch 164/248, train_loss: 0.3958, step time: 0.3790
Batch 165/248, train_loss: 0.9998, step time: 0.3783
Batch 166/248, train_loss: 0.3067, step time: 0.3446
Batch 167/248, train_loss: 0.2976, step time: 0.3707
Batch 168/248, train_loss: 0.3145, step time: 0.3474
Batch 169/248, train_loss: 0.1828, step time: 0.3555
Batch 170/248, train_loss: 0.9082, step time: 0.3893
Batch 171/248, train_loss: 0.1132, step time: 0.3469
Batch 172/248, train_loss: 0.9999, step time: 0.3698
Batch 173/248, train_loss: 0.1204, step time: 0.3859
Batch 174/248, train_loss: 0.9368, step time: 0.3857
Batch 175/248, train_loss: 0.3390, step time: 0.3487
Batch 176/248, train_loss: 0.4725, step time: 0.3614
Batch 177/248, train_loss: 0.9976, step time: 0.3846
Batch 178/248, train_loss: 0.3701, step time: 0.3721
Batch 179/248, train_loss: 0.1344, step time: 0.3868
Batch 180/248, train_loss: 0.4501, step time: 0.3852
Batch 181/248, train_loss: 0.1919, step time: 0.3667
Batch 182/248, train_loss: 0.9323, step time: 0.3744
Batch 183/248, train_loss: 0.2736, step time: 0.3500
Batch 184/248, train_loss: 0.7551, step time: 0.3525
Batch 185/248, train_loss: 0.2173, step time: 0.3455
Batch 186/248, train_loss: 0.1888, step time: 0.3479
Batch 187/248, train_loss: 0.3079, step time: 0.3814
Batch 188/248, train_loss: 0.3472, step time: 0.3536
Batch 189/248, train_loss: 0.9998, step time: 0.3538
Batch 190/248, train_loss: 0.2602, step time: 0.3651
Batch 191/248, train_loss: 0.9673, step time: 0.3746
Batch 192/248, train_loss: 0.3106, step time: 0.3472
Batch 193/248, train_loss: 0.5149, step time: 0.3871
Batch 194/248, train_loss: 0.1664, step time: 0.3785
Batch 195/248, train_loss: 0.9930, step time: 0.3629
Batch 196/248, train_loss: 1.0000, step time: 0.3696
Batch 197/248, train_loss: 0.3502, step time: 0.3540
Batch 198/248, train_loss: 1.0000, step time: 0.3465
Batch 199/248, train_loss: 0.2285, step time: 0.3700
Batch 200/248, train_loss: 0.2163, step time: 0.3590
Batch 201/248, train_loss: 0.1801, step time: 0.3798
Batch 202/248, train_loss: 0.5560, step time: 0.3821
Batch 203/248, train_loss: 0.9459, step time: 0.3456
Batch 204/248, train_loss: 0.1291, step time: 0.3472
Batch 205/248, train_loss: 0.5743, step time: 0.3474
Batch 206/248, train_loss: 0.9254, step time: 0.3665
Batch 207/248, train_loss: 0.1220, step time: 0.3490
Batch 208/248, train_loss: 0.2476, step time: 0.3849
Batch 209/248, train_loss: 0.2218, step time: 0.3501
Batch 210/248, train_loss: 0.1079, step time: 0.3840
Batch 211/248, train_loss: 0.1276, step time: 0.3720
Batch 212/248, train_loss: 0.3979, step time: 0.3431
Batch 213/248, train_loss: 0.2343, step time: 0.3526
Batch 214/248, train_loss: 0.1379, step time: 0.3634
Batch 215/248, train_loss: 0.4364, step time: 0.3463
Batch 216/248, train_loss: 0.2425, step time: 0.3743
Batch 217/248, train_loss: 0.4891, step time: 0.3724
Batch 218/248, train_loss: 0.9999, step time: 0.3432
Batch 219/248, train_loss: 0.1148, step time: 0.3844
Batch 220/248, train_loss: 0.3854, step time: 0.3461
Batch 221/248, train_loss: 0.4426, step time: 0.3730
Batch 222/248, train_loss: 0.2713, step time: 0.3490
Batch 223/248, train_loss: 0.0864, step time: 0.3492
Batch 224/248, train_loss: 0.1357, step time: 0.3511
Batch 225/248, train_loss: 0.8967, step time: 0.3611
Batch 226/248, train_loss: 0.4645, step time: 0.3832
Batch 227/248, train_loss: 0.1990, step time: 0.3811
Batch 228/248, train_loss: 0.3854, step time: 0.3879
Batch 229/248, train_loss: 0.1577, step time: 0.3444
Batch 230/248, train_loss: 0.1319, step time: 0.3542
Batch 231/248, train_loss: 0.9613, step time: 0.3440
Batch 232/248, train_loss: 0.1209, step time: 0.3520
Batch 233/248, train_loss: 1.0000, step time: 0.3793
Batch 234/248, train_loss: 0.9046, step time: 0.3569
Batch 235/248, train_loss: 0.8615, step time: 0.3864
Batch 236/248, train_loss: 0.9999, step time: 0.3439
Batch 237/248, train_loss: 0.2312, step time: 0.3700
Batch 238/248, train_loss: 0.1318, step time: 0.3436
Batch 239/248, train_loss: 0.0998, step time: 0.3622

```
Batch 240/248, train_loss: 0.4218, step time: 0.3522  
Batch 241/248, train_loss: 1.0000, step time: 0.3861  
Batch 242/248, train_loss: 0.3516, step time: 0.3843  
Batch 243/248, train_loss: 0.9276, step time: 0.3831  
Batch 244/248, train_loss: 0.9973, step time: 0.3650  
Batch 245/248, train_loss: 0.1490, step time: 0.3432  
Batch 246/248, train_loss: 0.9987, step time: 0.3870  
Batch 247/248, train_loss: 0.1269, step time: 0.3459  
Batch 248/248, train_loss: 1.0000, step time: 0.3459
```

Labels



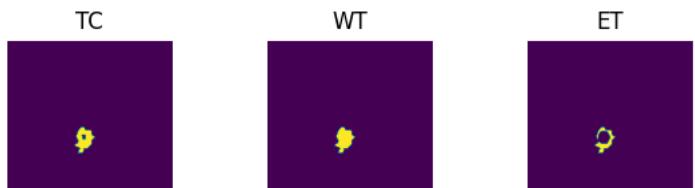
Predictions



VAL

```
Batch 1/31, val_loss: 0.7540  
Batch 2/31, val_loss: 0.8427  
Batch 3/31, val_loss: 0.6883  
Batch 4/31, val_loss: 0.6899  
Batch 5/31, val_loss: 0.9566  
Batch 6/31, val_loss: 0.1364  
Batch 7/31, val_loss: 0.6224  
Batch 8/31, val_loss: 0.7934  
Batch 9/31, val_loss: 0.1809  
Batch 10/31, val_loss: 0.6251  
Batch 11/31, val_loss: 0.6996  
Batch 12/31, val_loss: 0.8272  
Batch 13/31, val_loss: 0.9164  
Batch 14/31, val_loss: 0.6045  
Batch 15/31, val_loss: 0.7805  
Batch 16/31, val_loss: 0.9122  
Batch 17/31, val_loss: 0.8830  
Batch 18/31, val_loss: 0.7860  
Batch 19/31, val_loss: 0.2173  
Batch 20/31, val_loss: 0.8183  
Batch 21/31, val_loss: 0.8257  
Batch 22/31, val_loss: 0.9512  
Batch 23/31, val_loss: 0.7157  
Batch 24/31, val_loss: 0.0602  
Batch 25/31, val_loss: 0.4305  
Batch 26/31, val_loss: 0.8897  
Batch 27/31, val_loss: 0.6775  
Batch 28/31, val_loss: 0.4040  
Batch 29/31, val_loss: 0.9393  
Batch 30/31, val_loss: 0.7685  
Batch 31/31, val_loss: 0.9334
```

Labels



Predictions



```
epoch 90
    average train loss: 0.4655
    average validation loss: 0.6881
    saved as best model: True
    current mean dice: 0.3952
    current TC dice: 0.4171
    current WT dice: 0.4257
    current ET dice: 0.3793
Best Mean Metric: 0.3952
time consuming of epoch 90 is: 1407.0698
-----
epoch 91/100
TRAIN
    Batch 1/248, train_loss: 0.1646, step time: 0.3832
    Batch 2/248, train_loss: 0.9999, step time: 0.3517
    Batch 3/248, train_loss: 0.6559, step time: 0.3740
    Batch 4/248, train_loss: 0.9993, step time: 0.3646
    Batch 5/248, train_loss: 0.4355, step time: 0.3821
    Batch 6/248, train_loss: 0.5617, step time: 0.3740
    Batch 7/248, train_loss: 0.1094, step time: 0.3814
    Batch 8/248, train_loss: 0.7493, step time: 0.3671
    Batch 9/248, train_loss: 0.0680, step time: 0.3600
    Batch 10/248, train_loss: 0.4214, step time: 0.3676
    Batch 11/248, train_loss: 0.3343, step time: 0.3761
    Batch 12/248, train_loss: 0.9258, step time: 0.3523
    Batch 13/248, train_loss: 0.7797, step time: 0.3855
    Batch 14/248, train_loss: 0.0777, step time: 0.3483
    Batch 15/248, train_loss: 0.5410, step time: 0.3658
    Batch 16/248, train_loss: 0.2447, step time: 0.3435
    Batch 17/248, train_loss: 0.9697, step time: 0.3550
    Batch 18/248, train_loss: 0.8499, step time: 0.3457
    Batch 19/248, train_loss: 0.1773, step time: 0.3803
    Batch 20/248, train_loss: 0.2838, step time: 0.3691
    Batch 21/248, train_loss: 0.0831, step time: 0.3704
    Batch 22/248, train_loss: 1.0000, step time: 0.3813
    Batch 23/248, train_loss: 1.0000, step time: 0.3796
    Batch 24/248, train_loss: 0.1359, step time: 0.3578
    Batch 25/248, train_loss: 0.1209, step time: 0.3488
    Batch 26/248, train_loss: 0.8645, step time: 0.3647
    Batch 27/248, train_loss: 0.1025, step time: 0.3739
    Batch 28/248, train_loss: 0.2532, step time: 0.3481
    Batch 29/248, train_loss: 0.9157, step time: 0.3818
    Batch 30/248, train_loss: 0.3565, step time: 0.3685
    Batch 31/248, train_loss: 0.4298, step time: 0.3883
    Batch 32/248, train_loss: 0.1309, step time: 0.3609
    Batch 33/248, train_loss: 0.1250, step time: 0.3573
    Batch 34/248, train_loss: 0.0711, step time: 0.3603
    Batch 35/248, train_loss: 0.0829, step time: 0.3448
    Batch 36/248, train_loss: 0.9993, step time: 0.3837
    Batch 37/248, train_loss: 0.2568, step time: 0.3465
    Batch 38/248, train_loss: 0.4432, step time: 0.3810
    Batch 39/248, train_loss: 0.2825, step time: 0.3659
    Batch 40/248, train_loss: 1.0000, step time: 0.3661
    Batch 41/248, train_loss: 0.3999, step time: 0.3658
    Batch 42/248, train_loss: 0.0959, step time: 0.3463
    Batch 43/248, train_loss: 0.0836, step time: 0.3744
    Batch 44/248, train_loss: 0.2489, step time: 0.3708
    Batch 45/248, train_loss: 0.7162, step time: 0.3427
    Batch 46/248, train_loss: 0.2341, step time: 0.3784
    Batch 47/248, train_loss: 0.1359, step time: 0.3902
    Batch 48/248, train_loss: 0.2692, step time: 0.3457
    Batch 49/248, train_loss: 0.7878, step time: 0.3707
    Batch 50/248, train_loss: 0.2633, step time: 0.3700
    Batch 51/248, train_loss: 0.2475, step time: 0.3468
    Batch 52/248, train_loss: 0.2248, step time: 0.3652
    Batch 53/248, train_loss: 0.6362, step time: 0.3866
    Batch 54/248, train_loss: 0.3401, step time: 0.3629
    Batch 55/248, train_loss: 0.4204, step time: 0.3750
    Batch 56/248, train_loss: 0.2826, step time: 0.3599
    Batch 57/248, train_loss: 0.4417, step time: 0.3862
    Batch 58/248, train_loss: 0.1159, step time: 0.3846
    Batch 59/248, train_loss: 0.1504, step time: 0.3640
    Batch 60/248, train_loss: 0.1115, step time: 0.3438
    Batch 61/248, train_loss: 0.1784, step time: 0.3496
    Batch 62/248, train_loss: 0.4176, step time: 0.3666
    Batch 63/248, train_loss: 0.9082, step time: 0.3680
    Batch 64/248, train_loss: 0.8462, step time: 0.3477
    Batch 65/248, train_loss: 0.4827, step time: 0.3581
    Batch 66/248, train_loss: 0.3084, step time: 0.3587
    Batch 67/248, train_loss: 0.1314, step time: 0.3638
    Batch 68/248, train_loss: 0.1394, step time: 0.3536
    Batch 69/248, train_loss: 1.0000, step time: 0.3759
```

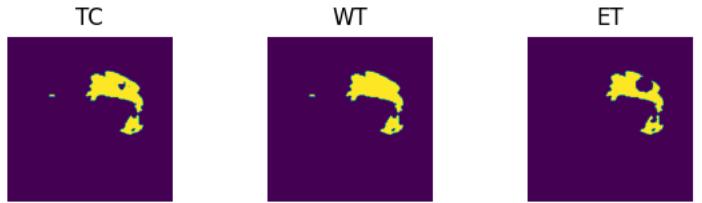
Batch 70/248, train_loss: 0.2169, step time: 0.3445
Batch 71/248, train_loss: 0.1839, step time: 0.3519
Batch 72/248, train_loss: 0.0939, step time: 0.3784
Batch 73/248, train_loss: 0.1689, step time: 0.3530
Batch 74/248, train_loss: 0.9968, step time: 0.3435
Batch 75/248, train_loss: 0.2235, step time: 0.3506
Batch 76/248, train_loss: 0.9060, step time: 0.3657
Batch 77/248, train_loss: 0.9789, step time: 0.3530
Batch 78/248, train_loss: 0.2304, step time: 0.3445
Batch 79/248, train_loss: 0.1888, step time: 0.3468
Batch 80/248, train_loss: 0.2855, step time: 0.3416
Batch 81/248, train_loss: 0.3776, step time: 0.3788
Batch 82/248, train_loss: 0.1612, step time: 0.3827
Batch 83/248, train_loss: 0.9169, step time: 0.3813
Batch 84/248, train_loss: 0.4144, step time: 0.3679
Batch 85/248, train_loss: 0.9617, step time: 0.3502
Batch 86/248, train_loss: 0.3284, step time: 0.3719
Batch 87/248, train_loss: 0.9633, step time: 0.3826
Batch 88/248, train_loss: 0.6474, step time: 0.3889
Batch 89/248, train_loss: 0.0988, step time: 0.3613
Batch 90/248, train_loss: 0.3111, step time: 0.3821
Batch 91/248, train_loss: 0.9379, step time: 0.3528
Batch 92/248, train_loss: 0.4337, step time: 0.3864
Batch 93/248, train_loss: 0.2250, step time: 0.3842
Batch 94/248, train_loss: 0.8163, step time: 0.3443
Batch 95/248, train_loss: 0.2286, step time: 0.3478
Batch 96/248, train_loss: 0.2575, step time: 0.3768
Batch 97/248, train_loss: 0.9989, step time: 0.3470
Batch 98/248, train_loss: 0.1627, step time: 0.3662
Batch 99/248, train_loss: 0.8634, step time: 0.3480
Batch 100/248, train_loss: 0.9656, step time: 0.3751
Batch 101/248, train_loss: 0.0711, step time: 0.3782
Batch 102/248, train_loss: 0.1754, step time: 0.3612
Batch 103/248, train_loss: 0.9155, step time: 0.3545
Batch 104/248, train_loss: 0.3924, step time: 0.3915
Batch 105/248, train_loss: 0.1201, step time: 0.3429
Batch 106/248, train_loss: 0.2425, step time: 0.3418
Batch 107/248, train_loss: 0.7715, step time: 0.3801
Batch 108/248, train_loss: 0.7781, step time: 0.3465
Batch 109/248, train_loss: 0.9982, step time: 0.3722
Batch 110/248, train_loss: 0.4740, step time: 0.3805
Batch 111/248, train_loss: 0.1741, step time: 0.3506
Batch 112/248, train_loss: 0.3075, step time: 0.3476
Batch 113/248, train_loss: 1.0000, step time: 0.3886
Batch 114/248, train_loss: 0.2152, step time: 0.3430
Batch 115/248, train_loss: 0.2616, step time: 0.3515
Batch 116/248, train_loss: 0.1347, step time: 0.3499
Batch 117/248, train_loss: 0.9828, step time: 0.3887
Batch 118/248, train_loss: 0.9226, step time: 0.3799
Batch 119/248, train_loss: 0.4721, step time: 0.3816
Batch 120/248, train_loss: 0.3741, step time: 0.3501
Batch 121/248, train_loss: 0.4948, step time: 0.3853
Batch 122/248, train_loss: 0.7492, step time: 0.3614
Batch 123/248, train_loss: 0.0936, step time: 0.3447
Batch 124/248, train_loss: 0.6814, step time: 0.3799
Batch 125/248, train_loss: 0.9325, step time: 0.3732
Batch 126/248, train_loss: 0.2278, step time: 0.3635
Batch 127/248, train_loss: 0.2005, step time: 0.3442
Batch 128/248, train_loss: 0.3837, step time: 0.3569
Batch 129/248, train_loss: 0.1447, step time: 0.3522
Batch 130/248, train_loss: 0.1487, step time: 0.3815
Batch 131/248, train_loss: 0.8192, step time: 0.3473
Batch 132/248, train_loss: 0.5139, step time: 0.3604
Batch 133/248, train_loss: 0.1525, step time: 0.3461
Batch 134/248, train_loss: 1.0000, step time: 0.3630
Batch 135/248, train_loss: 0.9332, step time: 0.3522
Batch 136/248, train_loss: 0.2109, step time: 0.3701
Batch 137/248, train_loss: 0.1646, step time: 0.3692
Batch 138/248, train_loss: 0.1316, step time: 0.3824
Batch 139/248, train_loss: 0.1920, step time: 0.3880
Batch 140/248, train_loss: 0.2382, step time: 0.3800
Batch 141/248, train_loss: 0.2946, step time: 0.3675
Batch 142/248, train_loss: 0.9830, step time: 0.3445
Batch 143/248, train_loss: 0.3919, step time: 0.3629
Batch 144/248, train_loss: 0.1692, step time: 0.3427
Batch 145/248, train_loss: 0.0923, step time: 0.3806
Batch 146/248, train_loss: 0.9893, step time: 0.3563
Batch 147/248, train_loss: 0.0780, step time: 0.3527
Batch 148/248, train_loss: 0.9445, step time: 0.3842
Batch 149/248, train_loss: 0.2709, step time: 0.3815
Batch 150/248, train_loss: 0.5700, step time: 0.3446
Batch 151/248, train_loss: 0.5603, step time: 0.3861
Batch 152/248, train_loss: 0.0671, step time: 0.3424
Batch 153/248, train_loss: 0.5841, step time: 0.3696
Batch 154/248, train_loss: 0.9030, step time: 0.3710

Batch 155/248, train_loss: 0.1392, step time: 0.3757
Batch 156/248, train_loss: 0.3191, step time: 0.3725
Batch 157/248, train_loss: 0.4110, step time: 0.3489
Batch 158/248, train_loss: 0.9987, step time: 0.3830
Batch 159/248, train_loss: 0.9739, step time: 0.3882
Batch 160/248, train_loss: 0.1394, step time: 0.3762
Batch 161/248, train_loss: 0.1064, step time: 0.3823
Batch 162/248, train_loss: 0.1011, step time: 0.3744
Batch 163/248, train_loss: 0.5550, step time: 0.3556
Batch 164/248, train_loss: 0.3542, step time: 0.3691
Batch 165/248, train_loss: 0.9998, step time: 0.3502
Batch 166/248, train_loss: 0.2910, step time: 0.3684
Batch 167/248, train_loss: 0.3238, step time: 0.3711
Batch 168/248, train_loss: 0.2436, step time: 0.3828
Batch 169/248, train_loss: 0.1982, step time: 0.3566
Batch 170/248, train_loss: 0.9670, step time: 0.3860
Batch 171/248, train_loss: 0.1222, step time: 0.3438
Batch 172/248, train_loss: 0.9994, step time: 0.3647
Batch 173/248, train_loss: 0.1363, step time: 0.3704
Batch 174/248, train_loss: 0.9025, step time: 0.3542
Batch 175/248, train_loss: 0.1915, step time: 0.3486
Batch 176/248, train_loss: 0.5036, step time: 0.3452
Batch 177/248, train_loss: 0.9113, step time: 0.3626
Batch 178/248, train_loss: 0.3132, step time: 0.3685
Batch 179/248, train_loss: 0.1142, step time: 0.3820
Batch 180/248, train_loss: 0.4082, step time: 0.3494
Batch 181/248, train_loss: 0.1569, step time: 0.3830
Batch 182/248, train_loss: 0.9249, step time: 0.3597
Batch 183/248, train_loss: 0.2559, step time: 0.3832
Batch 184/248, train_loss: 0.4794, step time: 0.3912
Batch 185/248, train_loss: 0.1729, step time: 0.3858
Batch 186/248, train_loss: 0.1451, step time: 0.3461
Batch 187/248, train_loss: 0.2418, step time: 0.3469
Batch 188/248, train_loss: 0.3105, step time: 0.3644
Batch 189/248, train_loss: 0.9755, step time: 0.3809
Batch 190/248, train_loss: 0.2606, step time: 0.3759
Batch 191/248, train_loss: 0.9707, step time: 0.3685
Batch 192/248, train_loss: 0.3689, step time: 0.3475
Batch 193/248, train_loss: 0.3997, step time: 0.3907
Batch 194/248, train_loss: 0.1438, step time: 0.3837
Batch 195/248, train_loss: 0.9997, step time: 0.3575
Batch 196/248, train_loss: 1.0000, step time: 0.3580
Batch 197/248, train_loss: 0.3087, step time: 0.3830
Batch 198/248, train_loss: 1.0000, step time: 0.3693
Batch 199/248, train_loss: 0.2040, step time: 0.3521
Batch 200/248, train_loss: 0.1917, step time: 0.3832
Batch 201/248, train_loss: 0.1837, step time: 0.3719
Batch 202/248, train_loss: 0.5286, step time: 0.3432
Batch 203/248, train_loss: 0.9653, step time: 0.3558
Batch 204/248, train_loss: 0.1260, step time: 0.3750
Batch 205/248, train_loss: 0.5660, step time: 0.3437
Batch 206/248, train_loss: 0.9215, step time: 0.3873
Batch 207/248, train_loss: 0.1161, step time: 0.3483
Batch 208/248, train_loss: 0.2022, step time: 0.3439
Batch 209/248, train_loss: 0.2105, step time: 0.3511
Batch 210/248, train_loss: 0.1109, step time: 0.3756
Batch 211/248, train_loss: 0.1225, step time: 0.3767
Batch 212/248, train_loss: 0.3457, step time: 0.3542
Batch 213/248, train_loss: 0.2449, step time: 0.3460
Batch 214/248, train_loss: 0.1400, step time: 0.3552
Batch 215/248, train_loss: 0.4248, step time: 0.3444
Batch 216/248, train_loss: 0.2730, step time: 0.3610
Batch 217/248, train_loss: 0.5247, step time: 0.3709
Batch 218/248, train_loss: 0.9999, step time: 0.3581
Batch 219/248, train_loss: 0.1067, step time: 0.3691
Batch 220/248, train_loss: 0.4175, step time: 0.3782
Batch 221/248, train_loss: 0.3756, step time: 0.3719
Batch 222/248, train_loss: 0.2814, step time: 0.3506
Batch 223/248, train_loss: 0.0764, step time: 0.3769
Batch 224/248, train_loss: 0.1368, step time: 0.3809
Batch 225/248, train_loss: 0.9068, step time: 0.3449
Batch 226/248, train_loss: 0.3895, step time: 0.3474
Batch 227/248, train_loss: 0.1914, step time: 0.3825
Batch 228/248, train_loss: 0.3090, step time: 0.3515
Batch 229/248, train_loss: 0.1579, step time: 0.3611
Batch 230/248, train_loss: 0.1359, step time: 0.3448
Batch 231/248, train_loss: 1.0000, step time: 0.3441
Batch 232/248, train_loss: 0.1249, step time: 0.3455
Batch 233/248, train_loss: 0.9994, step time: 0.3767
Batch 234/248, train_loss: 0.8058, step time: 0.3896
Batch 235/248, train_loss: 0.8811, step time: 0.3415
Batch 236/248, train_loss: 0.9999, step time: 0.3843
Batch 237/248, train_loss: 0.2285, step time: 0.3898
Batch 238/248, train_loss: 0.1265, step time: 0.3563

Batch 239/248, train_loss: 0.2020, step time: 0.3521

```
Batch 239/248, train_loss: 0.3622, step time: 0.3524
Batch 240/248, train_loss: 0.3881, step time: 0.3637
Batch 241/248, train_loss: 1.0000, step time: 0.3444
Batch 242/248, train_loss: 0.3351, step time: 0.3807
Batch 243/248, train_loss: 0.9477, step time: 0.3536
Batch 244/248, train_loss: 0.8596, step time: 0.3704
Batch 245/248, train_loss: 0.1528, step time: 0.3860
Batch 246/248, train_loss: 0.9713, step time: 0.3542
Batch 247/248, train_loss: 0.1062, step time: 0.3418
Batch 248/248, train_loss: 1.0000, step time: 0.3765
```

Labels



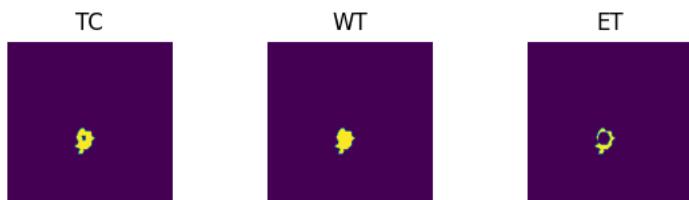
Predictions



VAL

```
Batch 1/31, val_loss: 0.6941
Batch 2/31, val_loss: 0.8376
Batch 3/31, val_loss: 0.6619
Batch 4/31, val_loss: 0.6378
Batch 5/31, val_loss: 0.9564
Batch 6/31, val_loss: 0.1045
Batch 7/31, val_loss: 0.5191
Batch 8/31, val_loss: 0.7557
Batch 9/31, val_loss: 0.1299
Batch 10/31, val_loss: 0.5841
Batch 11/31, val_loss: 0.6431
Batch 12/31, val_loss: 0.7870
Batch 13/31, val_loss: 0.8164
Batch 14/31, val_loss: 0.5756
Batch 15/31, val_loss: 0.8641
Batch 16/31, val_loss: 0.8961
Batch 17/31, val_loss: 0.8790
Batch 18/31, val_loss: 0.7085
Batch 19/31, val_loss: 0.1891
Batch 20/31, val_loss: 0.7174
Batch 21/31, val_loss: 0.7680
Batch 22/31, val_loss: 0.9467
Batch 23/31, val_loss: 0.6624
Batch 24/31, val_loss: 0.0479
Batch 25/31, val_loss: 0.3842
Batch 26/31, val_loss: 0.8718
Batch 27/31, val_loss: 0.6507
Batch 28/31, val_loss: 0.3723
Batch 29/31, val_loss: 0.9206
Batch 30/31, val_loss: 0.6055
Batch 31/31, val_loss: 0.9316
```

Labels



Predictions





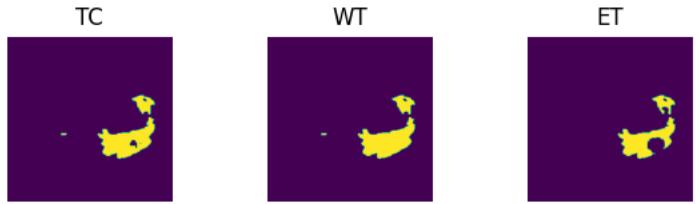
```
epoch 91
    average train loss: 0.4557
    average validation loss: 0.6490
    saved as best model: True
    current mean dice: 0.4030
    current TC dice: 0.4251
    current WT dice: 0.4330
    current ET dice: 0.3878
Best Mean Metric: 0.4030
time consuming of epoch 91 is: 1406.2728
-----
epoch 92/100
TRAIN
    Batch 1/248, train_loss: 0.1023, step time: 0.3448
    Batch 2/248, train_loss: 1.0000, step time: 0.3678
    Batch 3/248, train_loss: 0.6859, step time: 0.3594
    Batch 4/248, train_loss: 0.9999, step time: 0.3805
    Batch 5/248, train_loss: 0.4107, step time: 0.3553
    Batch 6/248, train_loss: 0.6040, step time: 0.3491
    Batch 7/248, train_loss: 0.1071, step time: 0.3472
    Batch 8/248, train_loss: 0.7127, step time: 0.3812
    Batch 9/248, train_loss: 0.0623, step time: 0.3445
    Batch 10/248, train_loss: 0.4563, step time: 0.3620
    Batch 11/248, train_loss: 0.3362, step time: 0.3836
    Batch 12/248, train_loss: 0.9297, step time: 0.3586
    Batch 13/248, train_loss: 0.8216, step time: 0.3493
    Batch 14/248, train_loss: 0.0784, step time: 0.3796
    Batch 15/248, train_loss: 0.4911, step time: 0.3454
    Batch 16/248, train_loss: 0.2579, step time: 0.3699
    Batch 17/248, train_loss: 0.9648, step time: 0.3522
    Batch 18/248, train_loss: 0.8615, step time: 0.3588
    Batch 19/248, train_loss: 0.1666, step time: 0.3753
    Batch 20/248, train_loss: 0.2813, step time: 0.3785
    Batch 21/248, train_loss: 0.0790, step time: 0.3523
    Batch 22/248, train_loss: 0.9997, step time: 0.3792
    Batch 23/248, train_loss: 1.0000, step time: 0.3822
    Batch 24/248, train_loss: 0.1622, step time: 0.3644
    Batch 25/248, train_loss: 0.1172, step time: 0.3707
    Batch 26/248, train_loss: 0.8211, step time: 0.3913
    Batch 27/248, train_loss: 0.0976, step time: 0.3474
    Batch 28/248, train_loss: 0.2828, step time: 0.3438
    Batch 29/248, train_loss: 0.8726, step time: 0.3781
    Batch 30/248, train_loss: 0.7909, step time: 0.3543
    Batch 31/248, train_loss: 0.4279, step time: 0.3896
    Batch 32/248, train_loss: 0.1297, step time: 0.3870
    Batch 33/248, train_loss: 0.1000, step time: 0.3795
    Batch 34/248, train_loss: 0.0701, step time: 0.3460
    Batch 35/248, train_loss: 0.0881, step time: 0.3587
    Batch 36/248, train_loss: 0.9768, step time: 0.3910
    Batch 37/248, train_loss: 0.2509, step time: 0.3812
    Batch 38/248, train_loss: 0.4143, step time: 0.3875
    Batch 39/248, train_loss: 0.2870, step time: 0.3425
    Batch 40/248, train_loss: 1.0000, step time: 0.3559
    Batch 41/248, train_loss: 0.2193, step time: 0.3862
    Batch 42/248, train_loss: 0.1060, step time: 0.3823
    Batch 43/248, train_loss: 0.0804, step time: 0.3815
    Batch 44/248, train_loss: 0.2075, step time: 0.3482
    Batch 45/248, train_loss: 0.5541, step time: 0.3466
    Batch 46/248, train_loss: 0.2161, step time: 0.3505
    Batch 47/248, train_loss: 0.1491, step time: 0.3595
    Batch 48/248, train_loss: 0.3007, step time: 0.3801
    Batch 49/248, train_loss: 0.7577, step time: 0.3770
    Batch 50/248, train_loss: 0.2567, step time: 0.3431
    Batch 51/248, train_loss: 0.2702, step time: 0.3914
    Batch 52/248, train_loss: 0.2354, step time: 0.3887
    Batch 53/248, train_loss: 0.6335, step time: 0.3575
    Batch 54/248, train_loss: 0.3419, step time: 0.3500
    Batch 55/248, train_loss: 0.4462, step time: 0.3859
    Batch 56/248, train_loss: 0.3153, step time: 0.3691
    Batch 57/248, train_loss: 0.4148, step time: 0.3714
    Batch 58/248, train_loss: 0.1130, step time: 0.3624
    Batch 59/248, train_loss: 0.1530, step time: 0.3803
    Batch 60/248, train_loss: 0.1118, step time: 0.3441
    Batch 61/248, train_loss: 0.1801, step time: 0.3457
    Batch 62/248, train_loss: 0.4132, step time: 0.3698
    Batch 63/248, train_loss: 0.9068, step time: 0.3593
    Batch 64/248, train_loss: 0.8464, step time: 0.3674
    Batch 65/248, train_loss: 0.5187, step time: 0.3562
    Batch 66/248, train_loss: 0.2530, step time: 0.3516
    Batch 67/248, train_loss: 0.1370, step time: 0.3728
    Batch 68/248, train_loss: 0.1500, step time: 0.3867
    Batch 69/248, train_loss: 0.9999, step time: 0.3666
```

Batch 55/248, train_loss: 0.0000, step time: 0.3500
Batch 56/248, train_loss: 0.2088, step time: 0.3807
Batch 57/248, train_loss: 0.2577, step time: 0.3899
Batch 58/248, train_loss: 0.0878, step time: 0.3866
Batch 59/248, train_loss: 0.4286, step time: 0.3526
Batch 60/248, train_loss: 1.0000, step time: 0.3491
Batch 61/248, train_loss: 0.2080, step time: 0.3631
Batch 62/248, train_loss: 0.9688, step time: 0.3577
Batch 63/248, train_loss: 0.9919, step time: 0.3454
Batch 64/248, train_loss: 0.2257, step time: 0.3517
Batch 65/248, train_loss: 0.2305, step time: 0.3489
Batch 66/248, train_loss: 0.3722, step time: 0.3854
Batch 67/248, train_loss: 0.8063, step time: 0.3587
Batch 68/248, train_loss: 0.1644, step time: 0.3652
Batch 69/248, train_loss: 0.9666, step time: 0.3500
Batch 70/248, train_loss: 0.4394, step time: 0.3610
Batch 71/248, train_loss: 0.9712, step time: 0.3632
Batch 72/248, train_loss: 0.6008, step time: 0.3613
Batch 73/248, train_loss: 0.9473, step time: 0.3870
Batch 74/248, train_loss: 0.8382, step time: 0.3924
Batch 75/248, train_loss: 0.1470, step time: 0.3844
Batch 76/248, train_loss: 0.6959, step time: 0.3789
Batch 77/248, train_loss: 0.9207, step time: 0.3542
Batch 78/248, train_loss: 0.5066, step time: 0.3845
Batch 79/248, train_loss: 0.2156, step time: 0.3440
Batch 80/248, train_loss: 0.8024, step time: 0.3441
Batch 81/248, train_loss: 0.2339, step time: 0.3875
Batch 82/248, train_loss: 0.3211, step time: 0.3774
Batch 83/248, train_loss: 0.9998, step time: 0.3851
Batch 84/248, train_loss: 0.1689, step time: 0.3478
Batch 85/248, train_loss: 0.7463, step time: 0.3578
Batch 86/248, train_loss: 0.9865, step time: 0.3509
Batch 87/248, train_loss: 0.0834, step time: 0.3712
Batch 88/248, train_loss: 0.1833, step time: 0.3523
Batch 89/248, train_loss: 0.9572, step time: 0.3691
Batch 90/248, train_loss: 0.4057, step time: 0.3512
Batch 91/248, train_loss: 0.1069, step time: 0.3809
Batch 92/248, train_loss: 0.2480, step time: 0.3579
Batch 93/248, train_loss: 0.8524, step time: 0.3598
Batch 94/248, train_loss: 0.8197, step time: 0.3697
Batch 95/248, train_loss: 0.9978, step time: 0.3533
Batch 96/248, train_loss: 0.5049, step time: 0.3741
Batch 97/248, train_loss: 0.1610, step time: 0.3720
Batch 98/248, train_loss: 0.2385, step time: 0.3646
Batch 99/248, train_loss: 1.0000, step time: 0.3771
Batch 100/248, train_loss: 0.2143, step time: 0.3802
Batch 101/248, train_loss: 0.2441, step time: 0.3570
Batch 102/248, train_loss: 0.0972, step time: 0.3512
Batch 103/248, train_loss: 0.9346, step time: 0.3833
Batch 104/248, train_loss: 0.6261, step time: 0.3862
Batch 105/248, train_loss: 0.4191, step time: 0.3536
Batch 106/248, train_loss: 0.3114, step time: 0.3436
Batch 107/248, train_loss: 0.4774, step time: 0.3696
Batch 108/248, train_loss: 0.7862, step time: 0.3819
Batch 109/248, train_loss: 0.1032, step time: 0.3679
Batch 110/248, train_loss: 0.5551, step time: 0.3558
Batch 111/248, train_loss: 0.9434, step time: 0.3517
Batch 112/248, train_loss: 0.3481, step time: 0.3899
Batch 113/248, train_loss: 0.2036, step time: 0.3671
Batch 114/248, train_loss: 0.4214, step time: 0.3722
Batch 115/248, train_loss: 0.1423, step time: 0.3577
Batch 116/248, train_loss: 0.1773, step time: 0.3730
Batch 117/248, train_loss: 0.6774, step time: 0.3807
Batch 118/248, train_loss: 0.4153, step time: 0.3453
Batch 119/248, train_loss: 0.2183, step time: 0.3829
Batch 120/248, train_loss: 1.0000, step time: 0.3784
Batch 121/248, train_loss: 0.8067, step time: 0.3582
Batch 122/248, train_loss: 0.2484, step time: 0.3487
Batch 123/248, train_loss: 0.2809, step time: 0.3787
Batch 124/248, train_loss: 0.1205, step time: 0.3518
Batch 125/248, train_loss: 0.2759, step time: 0.3842
Batch 126/248, train_loss: 0.2599, step time: 0.3771
Batch 127/248, train_loss: 0.2855, step time: 0.3417
Batch 128/248, train_loss: 0.9970, step time: 0.3849
Batch 129/248, train_loss: 0.4570, step time: 0.3526
Batch 130/248, train_loss: 0.1643, step time: 0.3547
Batch 131/248, train_loss: 0.0804, step time: 0.3595
Batch 132/248, train_loss: 0.9983, step time: 0.3492
Batch 133/248, train_loss: 0.0673, step time: 0.3746
Batch 134/248, train_loss: 0.9540, step time: 0.3548
Batch 135/248, train_loss: 0.2271, step time: 0.3780
Batch 136/248, train_loss: 0.5972, step time: 0.3441
Batch 137/248, train_loss: 0.4700, step time: 0.3883
Batch 138/248, train_loss: 0.0730, step time: 0.3433
Batch 139/248, train_loss: 0.5806, step time: 0.3873
Batch 140/248, train_loss: 0.2210, step time: 0.3610

Batch 154/248, train_loss: 0.9249, step time: 0.3649
Batch 155/248, train_loss: 0.1868, step time: 0.3801
Batch 156/248, train_loss: 0.2415, step time: 0.3440
Batch 157/248, train_loss: 0.3993, step time: 0.3444
Batch 158/248, train_loss: 0.9993, step time: 0.3734
Batch 159/248, train_loss: 0.9945, step time: 0.3865
Batch 160/248, train_loss: 0.1826, step time: 0.3872
Batch 161/248, train_loss: 0.0868, step time: 0.3763
Batch 162/248, train_loss: 0.1182, step time: 0.3476
Batch 163/248, train_loss: 0.5554, step time: 0.3874
Batch 164/248, train_loss: 0.3007, step time: 0.3532
Batch 165/248, train_loss: 0.9999, step time: 0.3649
Batch 166/248, train_loss: 0.2963, step time: 0.3557
Batch 167/248, train_loss: 0.3597, step time: 0.3741
Batch 168/248, train_loss: 0.2573, step time: 0.3534
Batch 169/248, train_loss: 0.2037, step time: 0.3445
Batch 170/248, train_loss: 0.9275, step time: 0.3450
Batch 171/248, train_loss: 0.1154, step time: 0.3718
Batch 172/248, train_loss: 1.0000, step time: 0.3768
Batch 173/248, train_loss: 0.1194, step time: 0.3650
Batch 174/248, train_loss: 0.9998, step time: 0.3530
Batch 175/248, train_loss: 0.2252, step time: 0.3428
Batch 176/248, train_loss: 0.4866, step time: 0.3614
Batch 177/248, train_loss: 0.9959, step time: 0.3858
Batch 178/248, train_loss: 0.3149, step time: 0.3676
Batch 179/248, train_loss: 0.1190, step time: 0.3696
Batch 180/248, train_loss: 0.4170, step time: 0.3894
Batch 181/248, train_loss: 0.1684, step time: 0.3769
Batch 182/248, train_loss: 0.9397, step time: 0.3719
Batch 183/248, train_loss: 0.2338, step time: 0.3821
Batch 184/248, train_loss: 0.6388, step time: 0.3706
Batch 185/248, train_loss: 0.1580, step time: 0.3473
Batch 186/248, train_loss: 0.1616, step time: 0.3711
Batch 187/248, train_loss: 0.2637, step time: 0.3519
Batch 188/248, train_loss: 0.3755, step time: 0.3820
Batch 189/248, train_loss: 0.9995, step time: 0.3747
Batch 190/248, train_loss: 0.2403, step time: 0.3668
Batch 191/248, train_loss: 0.9753, step time: 0.3444
Batch 192/248, train_loss: 0.3705, step time: 0.3476
Batch 193/248, train_loss: 0.4943, step time: 0.3757
Batch 194/248, train_loss: 0.1628, step time: 0.3490
Batch 195/248, train_loss: 0.9972, step time: 0.3795
Batch 196/248, train_loss: 1.0000, step time: 0.3750
Batch 197/248, train_loss: 0.2996, step time: 0.3555
Batch 198/248, train_loss: 1.0000, step time: 0.3850
Batch 199/248, train_loss: 0.2398, step time: 0.3622
Batch 200/248, train_loss: 0.1982, step time: 0.3888
Batch 201/248, train_loss: 0.1848, step time: 0.3882
Batch 202/248, train_loss: 0.5420, step time: 0.3676
Batch 203/248, train_loss: 0.9286, step time: 0.3532
Batch 204/248, train_loss: 0.1264, step time: 0.3650
Batch 205/248, train_loss: 0.5831, step time: 0.3653
Batch 206/248, train_loss: 0.9361, step time: 0.3854
Batch 207/248, train_loss: 0.1118, step time: 0.3822
Batch 208/248, train_loss: 0.2366, step time: 0.3848
Batch 209/248, train_loss: 0.2041, step time: 0.3571
Batch 210/248, train_loss: 0.1173, step time: 0.3449
Batch 211/248, train_loss: 0.1205, step time: 0.3852
Batch 212/248, train_loss: 0.3188, step time: 0.3545
Batch 213/248, train_loss: 0.2653, step time: 0.3618
Batch 214/248, train_loss: 0.1325, step time: 0.3858
Batch 215/248, train_loss: 0.4285, step time: 0.3691
Batch 216/248, train_loss: 0.2805, step time: 0.3594
Batch 217/248, train_loss: 0.4913, step time: 0.3757
Batch 218/248, train_loss: 0.9954, step time: 0.3579
Batch 219/248, train_loss: 0.0882, step time: 0.3526
Batch 220/248, train_loss: 0.3775, step time: 0.3453
Batch 221/248, train_loss: 0.4219, step time: 0.3554
Batch 222/248, train_loss: 0.2397, step time: 0.3566
Batch 223/248, train_loss: 0.0763, step time: 0.3437
Batch 224/248, train_loss: 0.1338, step time: 0.3546
Batch 225/248, train_loss: 0.9295, step time: 0.3622
Batch 226/248, train_loss: 0.3505, step time: 0.3629
Batch 227/248, train_loss: 0.1820, step time: 0.3549
Batch 228/248, train_loss: 0.2517, step time: 0.3908
Batch 229/248, train_loss: 0.1715, step time: 0.3473
Batch 230/248, train_loss: 0.1277, step time: 0.3842
Batch 231/248, train_loss: 0.9998, step time: 0.3883
Batch 232/248, train_loss: 0.1426, step time: 0.3809
Batch 233/248, train_loss: 0.9972, step time: 0.3465
Batch 234/248, train_loss: 0.8290, step time: 0.3901
Batch 235/248, train_loss: 0.8584, step time: 0.3536
Batch 236/248, train_loss: 0.9992, step time: 0.3930
Batch 237/248, train_loss: 0.2403, step time: 0.3517
Batch 238/248, train_loss: 0.1204, step time: 0.3803

```
Batch 239/248, train_loss: 0.0985, step time: 0.3720
Batch 240/248, train_loss: 0.4852, step time: 0.3428
Batch 241/248, train_loss: 1.0000, step time: 0.3709
Batch 242/248, train_loss: 0.3102, step time: 0.3632
Batch 243/248, train_loss: 0.9745, step time: 0.3790
Batch 244/248, train_loss: 0.7321, step time: 0.3880
Batch 245/248, train_loss: 0.1552, step time: 0.3881
Batch 246/248, train_loss: 0.9513, step time: 0.3454
Batch 247/248, train_loss: 0.1134, step time: 0.3452
Batch 248/248, train_loss: 1.0000, step time: 0.3643
```

Labels



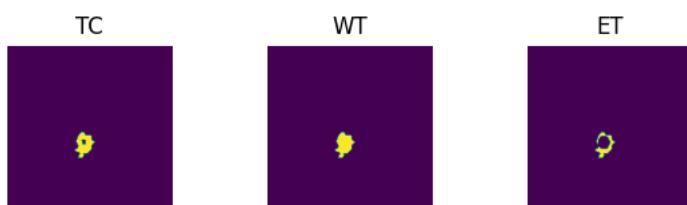
Predictions



VAL

```
Batch 1/31, val_loss: 0.6860
Batch 2/31, val_loss: 0.7645
Batch 3/31, val_loss: 0.6546
Batch 4/31, val_loss: 0.6215
Batch 5/31, val_loss: 0.8892
Batch 6/31, val_loss: 0.1258
Batch 7/31, val_loss: 0.5311
Batch 8/31, val_loss: 0.6135
Batch 9/31, val_loss: 0.1686
Batch 10/31, val_loss: 0.5748
Batch 11/31, val_loss: 0.6548
Batch 12/31, val_loss: 0.6899
Batch 13/31, val_loss: 0.8079
Batch 14/31, val_loss: 0.5812
Batch 15/31, val_loss: 0.7309
Batch 16/31, val_loss: 0.8621
Batch 17/31, val_loss: 0.7628
Batch 18/31, val_loss: 0.6055
Batch 19/31, val_loss: 0.1946
Batch 20/31, val_loss: 0.7280
Batch 21/31, val_loss: 0.7409
Batch 22/31, val_loss: 0.8924
Batch 23/31, val_loss: 0.5885
Batch 24/31, val_loss: 0.0533
Batch 25/31, val_loss: 0.4216
Batch 26/31, val_loss: 0.8708
Batch 27/31, val_loss: 0.6311
Batch 28/31, val_loss: 0.3916
Batch 29/31, val_loss: 0.8657
Batch 30/31, val_loss: 0.6005
Batch 31/31, val_loss: 0.8713
```

Labels



Predictions





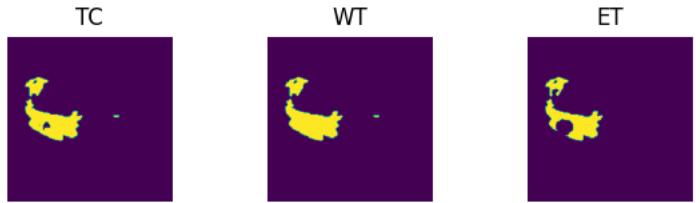
```
epoch 92
    average train loss: 0.4633
    average validation loss: 0.6186
    saved as best model: True
    current mean dice: 0.4090
    current TC dice: 0.4320
    current WT dice: 0.4401
    current ET dice: 0.3928
Best Mean Metric: 0.4090
time consuming of epoch 92 is: 1406.6796
-----
epoch 93/100
TRAIN
Batch 1/248, train_loss: 0.1161, step time: 0.3733
Batch 2/248, train_loss: 0.9999, step time: 0.3877
Batch 3/248, train_loss: 0.6767, step time: 0.3634
Batch 4/248, train_loss: 1.0000, step time: 0.3568
Batch 5/248, train_loss: 0.3299, step time: 0.3467
Batch 6/248, train_loss: 0.6450, step time: 0.3659
Batch 7/248, train_loss: 0.1065, step time: 0.3658
Batch 8/248, train_loss: 0.7606, step time: 0.3488
Batch 9/248, train_loss: 0.0637, step time: 0.3635
Batch 10/248, train_loss: 0.4389, step time: 0.3662
Batch 11/248, train_loss: 0.3425, step time: 0.3824
Batch 12/248, train_loss: 0.9236, step time: 0.3684
Batch 13/248, train_loss: 0.6996, step time: 0.3460
Batch 14/248, train_loss: 0.0745, step time: 0.3754
Batch 15/248, train_loss: 0.4957, step time: 0.3817
Batch 16/248, train_loss: 0.2774, step time: 0.3591
Batch 17/248, train_loss: 0.9628, step time: 0.3550
Batch 18/248, train_loss: 0.8707, step time: 0.3765
Batch 19/248, train_loss: 0.1460, step time: 0.3895
Batch 20/248, train_loss: 0.3329, step time: 0.3606
Batch 21/248, train_loss: 0.0818, step time: 0.3847
Batch 22/248, train_loss: 0.9999, step time: 0.3861
Batch 23/248, train_loss: 1.0000, step time: 0.3433
Batch 24/248, train_loss: 0.1820, step time: 0.3607
Batch 25/248, train_loss: 0.1135, step time: 0.3471
Batch 26/248, train_loss: 0.8661, step time: 0.3877
Batch 27/248, train_loss: 0.1054, step time: 0.3865
Batch 28/248, train_loss: 0.3347, step time: 0.3716
Batch 29/248, train_loss: 0.8832, step time: 0.3462
Batch 30/248, train_loss: 0.3099, step time: 0.3587
Batch 31/248, train_loss: 0.3923, step time: 0.3494
Batch 32/248, train_loss: 0.1330, step time: 0.3906
Batch 33/248, train_loss: 0.1136, step time: 0.3783
Batch 34/248, train_loss: 0.0670, step time: 0.3519
Batch 35/248, train_loss: 0.0774, step time: 0.3429
Batch 36/248, train_loss: 0.9853, step time: 0.3561
Batch 37/248, train_loss: 0.2344, step time: 0.3472
Batch 38/248, train_loss: 0.4114, step time: 0.3767
Batch 39/248, train_loss: 0.1941, step time: 0.3884
Batch 40/248, train_loss: 1.0000, step time: 0.3486
Batch 41/248, train_loss: 0.2524, step time: 0.3796
Batch 42/248, train_loss: 0.0961, step time: 0.3883
Batch 43/248, train_loss: 0.0814, step time: 0.3818
Batch 44/248, train_loss: 0.3014, step time: 0.3845
Batch 45/248, train_loss: 0.5117, step time: 0.3718
Batch 46/248, train_loss: 0.2495, step time: 0.3839
Batch 47/248, train_loss: 0.1347, step time: 0.3707
Batch 48/248, train_loss: 0.2974, step time: 0.3481
Batch 49/248, train_loss: 0.6580, step time: 0.3693
Batch 50/248, train_loss: 0.2413, step time: 0.3582
Batch 51/248, train_loss: 0.2427, step time: 0.3436
Batch 52/248, train_loss: 0.2491, step time: 0.3883
Batch 53/248, train_loss: 0.6322, step time: 0.3685
Batch 54/248, train_loss: 0.3589, step time: 0.3681
Batch 55/248, train_loss: 0.4135, step time: 0.3889
Batch 56/248, train_loss: 0.3481, step time: 0.3443
Batch 57/248, train_loss: 0.4511, step time: 0.3739
Batch 58/248, train_loss: 0.1214, step time: 0.3840
Batch 59/248, train_loss: 0.1375, step time: 0.3568
Batch 60/248, train_loss: 0.1063, step time: 0.3539
Batch 61/248, train_loss: 0.1671, step time: 0.3667
Batch 62/248, train_loss: 0.4209, step time: 0.3817
Batch 63/248, train_loss: 0.9225, step time: 0.3681
Batch 64/248, train_loss: 0.7792, step time: 0.3865
Batch 65/248, train_loss: 0.4833, step time: 0.3477
Batch 66/248, train_loss: 0.2684, step time: 0.3598
Batch 67/248, train_loss: 0.1381, step time: 0.3754
Batch 68/248, train_loss: 0.1398, step time: 0.3446
```

Batch 69/248, train_loss: 0.9997, step time: 0.3649
Batch 70/248, train_loss: 0.2210, step time: 0.3852
Batch 71/248, train_loss: 0.2795, step time: 0.3441
Batch 72/248, train_loss: 0.1033, step time: 0.3467
Batch 73/248, train_loss: 0.2527, step time: 0.3459
Batch 74/248, train_loss: 0.9988, step time: 0.3761
Batch 75/248, train_loss: 0.2292, step time: 0.3776
Batch 76/248, train_loss: 0.8360, step time: 0.3455
Batch 77/248, train_loss: 0.9863, step time: 0.3438
Batch 78/248, train_loss: 0.1524, step time: 0.3709
Batch 79/248, train_loss: 0.2161, step time: 0.3789
Batch 80/248, train_loss: 0.3123, step time: 0.3743
Batch 81/248, train_loss: 0.3348, step time: 0.3557
Batch 82/248, train_loss: 0.1554, step time: 0.3518
Batch 83/248, train_loss: 0.9348, step time: 0.3445
Batch 84/248, train_loss: 0.3173, step time: 0.3721
Batch 85/248, train_loss: 0.9095, step time: 0.3834
Batch 86/248, train_loss: 0.2849, step time: 0.3711
Batch 87/248, train_loss: 0.9025, step time: 0.3609
Batch 88/248, train_loss: 0.6143, step time: 0.3763
Batch 89/248, train_loss: 0.1052, step time: 0.3424
Batch 90/248, train_loss: 0.3889, step time: 0.3583
Batch 91/248, train_loss: 0.8926, step time: 0.3840
Batch 92/248, train_loss: 0.4021, step time: 0.3777
Batch 93/248, train_loss: 0.2235, step time: 0.3435
Batch 94/248, train_loss: 0.8012, step time: 0.3579
Batch 95/248, train_loss: 0.2072, step time: 0.3551
Batch 96/248, train_loss: 0.2441, step time: 0.3650
Batch 97/248, train_loss: 0.9930, step time: 0.3666
Batch 98/248, train_loss: 0.1741, step time: 0.3472
Batch 99/248, train_loss: 0.7364, step time: 0.3755
Batch 100/248, train_loss: 0.9411, step time: 0.3830
Batch 101/248, train_loss: 0.0727, step time: 0.3819
Batch 102/248, train_loss: 0.1897, step time: 0.3627
Batch 103/248, train_loss: 0.9024, step time: 0.3570
Batch 104/248, train_loss: 0.3805, step time: 0.3522
Batch 105/248, train_loss: 0.1262, step time: 0.3631
Batch 106/248, train_loss: 0.2712, step time: 0.3850
Batch 107/248, train_loss: 0.8452, step time: 0.3940
Batch 108/248, train_loss: 0.7943, step time: 0.3724
Batch 109/248, train_loss: 0.9962, step time: 0.3702
Batch 110/248, train_loss: 0.5417, step time: 0.3518
Batch 111/248, train_loss: 0.1529, step time: 0.3812
Batch 112/248, train_loss: 0.1620, step time: 0.3441
Batch 113/248, train_loss: 1.0000, step time: 0.3523
Batch 114/248, train_loss: 0.2145, step time: 0.3785
Batch 115/248, train_loss: 0.2434, step time: 0.3522
Batch 116/248, train_loss: 0.1054, step time: 0.3692
Batch 117/248, train_loss: 0.9743, step time: 0.3549
Batch 118/248, train_loss: 0.6166, step time: 0.3464
Batch 119/248, train_loss: 0.4390, step time: 0.3480
Batch 120/248, train_loss: 0.3049, step time: 0.3464
Batch 121/248, train_loss: 0.5673, step time: 0.3664
Batch 122/248, train_loss: 0.8215, step time: 0.3447
Batch 123/248, train_loss: 0.1021, step time: 0.3678
Batch 124/248, train_loss: 0.5250, step time: 0.3472
Batch 125/248, train_loss: 0.9334, step time: 0.3757
Batch 126/248, train_loss: 0.2941, step time: 0.3827
Batch 127/248, train_loss: 0.2009, step time: 0.3456
Batch 128/248, train_loss: 0.3493, step time: 0.3437
Batch 129/248, train_loss: 0.1717, step time: 0.3822
Batch 130/248, train_loss: 0.2176, step time: 0.3781
Batch 131/248, train_loss: 0.8217, step time: 0.3692
Batch 132/248, train_loss: 0.4762, step time: 0.3820
Batch 133/248, train_loss: 0.4335, step time: 0.3445
Batch 134/248, train_loss: 1.0000, step time: 0.3802
Batch 135/248, train_loss: 0.7000, step time: 0.3425
Batch 136/248, train_loss: 0.2138, step time: 0.3434
Batch 137/248, train_loss: 0.2844, step time: 0.3555
Batch 138/248, train_loss: 0.1465, step time: 0.3687
Batch 139/248, train_loss: 0.4423, step time: 0.3850
Batch 140/248, train_loss: 0.3040, step time: 0.3522
Batch 141/248, train_loss: 0.2941, step time: 0.3432
Batch 142/248, train_loss: 0.9737, step time: 0.3528
Batch 143/248, train_loss: 0.4528, step time: 0.3887
Batch 144/248, train_loss: 0.1717, step time: 0.3545
Batch 145/248, train_loss: 0.0830, step time: 0.3711
Batch 146/248, train_loss: 0.9382, step time: 0.3447
Batch 147/248, train_loss: 0.0660, step time: 0.3797
Batch 148/248, train_loss: 0.9644, step time: 0.3572
Batch 149/248, train_loss: 0.2455, step time: 0.3613
Batch 150/248, train_loss: 0.6379, step time: 0.3856
Batch 151/248, train_loss: 0.7331, step time: 0.3895
Batch 152/248, train_loss: 0.0756, step time: 0.3827
Batch 153/248, train_loss: 0.6723, step time: 0.3836

Batch 154/248, train_loss: 0.9130, step time: 0.3603
Batch 155/248, train_loss: 0.2437, step time: 0.3578
Batch 156/248, train_loss: 0.2663, step time: 0.3911
Batch 157/248, train_loss: 0.4003, step time: 0.3717
Batch 158/248, train_loss: 0.9994, step time: 0.3493
Batch 159/248, train_loss: 0.9908, step time: 0.3694
Batch 160/248, train_loss: 0.1484, step time: 0.3480
Batch 161/248, train_loss: 0.1221, step time: 0.3543
Batch 162/248, train_loss: 0.1036, step time: 0.3438
Batch 163/248, train_loss: 0.4971, step time: 0.3649
Batch 164/248, train_loss: 0.2152, step time: 0.3765
Batch 165/248, train_loss: 0.9959, step time: 0.3765
Batch 166/248, train_loss: 0.2505, step time: 0.3643
Batch 167/248, train_loss: 0.3146, step time: 0.3754
Batch 168/248, train_loss: 0.2936, step time: 0.3414
Batch 169/248, train_loss: 0.1754, step time: 0.3438
Batch 170/248, train_loss: 0.8857, step time: 0.3503
Batch 171/248, train_loss: 0.1195, step time: 0.3436
Batch 172/248, train_loss: 0.9974, step time: 0.3579
Batch 173/248, train_loss: 0.1142, step time: 0.3860
Batch 174/248, train_loss: 0.9724, step time: 0.3671
Batch 175/248, train_loss: 0.2405, step time: 0.3425
Batch 176/248, train_loss: 0.5211, step time: 0.3639
Batch 177/248, train_loss: 0.9940, step time: 0.3654
Batch 178/248, train_loss: 0.3529, step time: 0.3879
Batch 179/248, train_loss: 0.1228, step time: 0.3481
Batch 180/248, train_loss: 0.4410, step time: 0.3429
Batch 181/248, train_loss: 0.1709, step time: 0.3857
Batch 182/248, train_loss: 0.9417, step time: 0.3426
Batch 183/248, train_loss: 0.2125, step time: 0.3880
Batch 184/248, train_loss: 0.4288, step time: 0.3578
Batch 185/248, train_loss: 0.1592, step time: 0.3541
Batch 186/248, train_loss: 0.1630, step time: 0.3529
Batch 187/248, train_loss: 0.2938, step time: 0.3449
Batch 188/248, train_loss: 0.3349, step time: 0.3878
Batch 189/248, train_loss: 0.9872, step time: 0.3871
Batch 190/248, train_loss: 0.2507, step time: 0.3757
Batch 191/248, train_loss: 0.9733, step time: 0.3679
Batch 192/248, train_loss: 0.2934, step time: 0.3474
Batch 193/248, train_loss: 0.5528, step time: 0.3553
Batch 194/248, train_loss: 0.1624, step time: 0.3685
Batch 195/248, train_loss: 0.9923, step time: 0.3441
Batch 196/248, train_loss: 1.0000, step time: 0.3495
Batch 197/248, train_loss: 0.3156, step time: 0.3660
Batch 198/248, train_loss: 1.0000, step time: 0.3501
Batch 199/248, train_loss: 0.2072, step time: 0.3724
Batch 200/248, train_loss: 0.1896, step time: 0.3644
Batch 201/248, train_loss: 0.1778, step time: 0.3630
Batch 202/248, train_loss: 0.5396, step time: 0.3809
Batch 203/248, train_loss: 0.9528, step time: 0.3832
Batch 204/248, train_loss: 0.1489, step time: 0.3846
Batch 205/248, train_loss: 0.5368, step time: 0.3928
Batch 206/248, train_loss: 0.9176, step time: 0.3446
Batch 207/248, train_loss: 0.1088, step time: 0.3772
Batch 208/248, train_loss: 0.2670, step time: 0.3441
Batch 209/248, train_loss: 0.2039, step time: 0.3699
Batch 210/248, train_loss: 0.1189, step time: 0.3517
Batch 211/248, train_loss: 0.1202, step time: 0.3464
Batch 212/248, train_loss: 0.4239, step time: 0.3493
Batch 213/248, train_loss: 0.2754, step time: 0.3894
Batch 214/248, train_loss: 0.1376, step time: 0.3787
Batch 215/248, train_loss: 0.3347, step time: 0.3836
Batch 216/248, train_loss: 0.2604, step time: 0.3887
Batch 217/248, train_loss: 0.4779, step time: 0.3435
Batch 218/248, train_loss: 0.9961, step time: 0.3659
Batch 219/248, train_loss: 0.0962, step time: 0.3785
Batch 220/248, train_loss: 0.3751, step time: 0.3486
Batch 221/248, train_loss: 0.3845, step time: 0.3797
Batch 222/248, train_loss: 0.2309, step time: 0.3464
Batch 223/248, train_loss: 0.0773, step time: 0.3454
Batch 224/248, train_loss: 0.1424, step time: 0.3439
Batch 225/248, train_loss: 0.8754, step time: 0.3453
Batch 226/248, train_loss: 0.3628, step time: 0.3510
Batch 227/248, train_loss: 0.1903, step time: 0.3685
Batch 228/248, train_loss: 0.2729, step time: 0.3537
Batch 229/248, train_loss: 0.1601, step time: 0.3613
Batch 230/248, train_loss: 0.1709, step time: 0.3653
Batch 231/248, train_loss: 0.9925, step time: 0.3842
Batch 232/248, train_loss: 0.1468, step time: 0.3776
Batch 233/248, train_loss: 0.9999, step time: 0.3877
Batch 234/248, train_loss: 0.8597, step time: 0.3596
Batch 235/248, train_loss: 0.8277, step time: 0.3892
Batch 236/248, train_loss: 0.9999, step time: 0.3504
Batch 237/248, train_loss: 0.2285, step time: 0.3816
Batch 238/248, train_loss: 0.1359, step time: 0.3639

```
Batch 239/248, train_loss: 0.1505, step time: 0.3449  
Batch 240/248, train_loss: 0.4147, step time: 0.3580  
Batch 241/248, train_loss: 1.0000, step time: 0.3424  
Batch 242/248, train_loss: 0.3284, step time: 0.3809  
Batch 243/248, train_loss: 0.9968, step time: 0.3453  
Batch 244/248, train_loss: 0.9684, step time: 0.3644  
Batch 245/248, train_loss: 0.1707, step time: 0.3439  
Batch 246/248, train_loss: 0.9684, step time: 0.3435  
Batch 247/248, train_loss: 0.1824, step time: 0.3835  
Batch 248/248, train_loss: 1.0000, step time: 0.3867
```

Labels



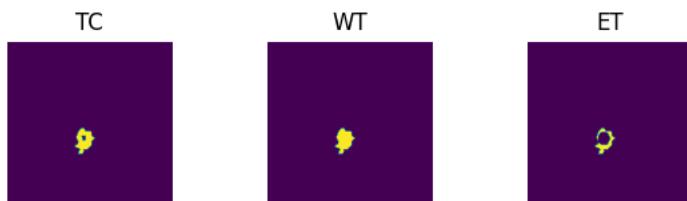
Predictions



VAL

```
Batch 1/31, val_loss: 0.5875  
Batch 2/31, val_loss: 0.7203  
Batch 3/31, val_loss: 0.6343  
Batch 4/31, val_loss: 0.6081  
Batch 5/31, val_loss: 0.8560  
Batch 6/31, val_loss: 0.1405  
Batch 7/31, val_loss: 0.4912  
Batch 8/31, val_loss: 0.5792  
Batch 9/31, val_loss: 0.1341  
Batch 10/31, val_loss: 0.5630  
Batch 11/31, val_loss: 0.5733  
Batch 12/31, val_loss: 0.6961  
Batch 13/31, val_loss: 0.7461  
Batch 14/31, val_loss: 0.5762  
Batch 15/31, val_loss: 0.6318  
Batch 16/31, val_loss: 0.8158  
Batch 17/31, val_loss: 0.6530  
Batch 18/31, val_loss: 0.5972  
Batch 19/31, val_loss: 0.1946  
Batch 20/31, val_loss: 0.6508  
Batch 21/31, val_loss: 0.6770  
Batch 22/31, val_loss: 0.8419  
Batch 23/31, val_loss: 0.4979  
Batch 24/31, val_loss: 0.0474  
Batch 25/31, val_loss: 0.3747  
Batch 26/31, val_loss: 0.8112  
Batch 27/31, val_loss: 0.5944  
Batch 28/31, val_loss: 0.3552  
Batch 29/31, val_loss: 0.7054  
Batch 30/31, val_loss: 0.5850  
Batch 31/31, val_loss: 0.8213
```

Labels



Predictions





```
epoch 93
average train loss: 0.4547
average validation loss: 0.5729
saved as best model: False
current mean dice: 0.4005
current TC dice: 0.4219
current WT dice: 0.4298
current ET dice: 0.3873
Best Mean Metric: 0.4090
time consuming of epoch 93 is: 1402.9663
-----
```

```
epoch 94/100
```

```
TRAIN
```

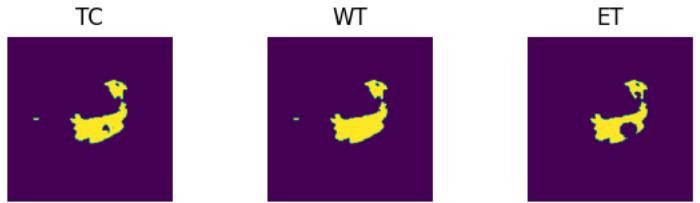
```
Batch 1/248, train_loss: 0.1396, step time: 0.3524
Batch 2/248, train_loss: 0.9833, step time: 0.3730
Batch 3/248, train_loss: 0.7026, step time: 0.3892
Batch 4/248, train_loss: 1.0000, step time: 0.3468
Batch 5/248, train_loss: 0.3899, step time: 0.3875
Batch 6/248, train_loss: 0.6106, step time: 0.3772
Batch 7/248, train_loss: 0.0998, step time: 0.3431
Batch 8/248, train_loss: 0.7448, step time: 0.3711
Batch 9/248, train_loss: 0.0659, step time: 0.3889
Batch 10/248, train_loss: 0.3901, step time: 0.3709
Batch 11/248, train_loss: 0.3488, step time: 0.3693
Batch 12/248, train_loss: 0.9367, step time: 0.3604
Batch 13/248, train_loss: 0.6952, step time: 0.3608
Batch 14/248, train_loss: 0.0772, step time: 0.3430
Batch 15/248, train_loss: 0.4971, step time: 0.3876
Batch 16/248, train_loss: 0.2691, step time: 0.3520
Batch 17/248, train_loss: 0.9180, step time: 0.3769
Batch 18/248, train_loss: 0.8573, step time: 0.3463
Batch 19/248, train_loss: 0.1563, step time: 0.3855
Batch 20/248, train_loss: 0.2080, step time: 0.3814
Batch 21/248, train_loss: 0.0852, step time: 0.3848
Batch 22/248, train_loss: 1.0000, step time: 0.3831
Batch 23/248, train_loss: 1.0000, step time: 0.3830
Batch 24/248, train_loss: 0.1420, step time: 0.3882
Batch 25/248, train_loss: 0.1071, step time: 0.3505
Batch 26/248, train_loss: 0.8219, step time: 0.3592
Batch 27/248, train_loss: 0.0929, step time: 0.3815
Batch 28/248, train_loss: 0.2848, step time: 0.3821
Batch 29/248, train_loss: 0.8577, step time: 0.3413
Batch 30/248, train_loss: 0.3161, step time: 0.3568
Batch 31/248, train_loss: 0.3827, step time: 0.3497
Batch 32/248, train_loss: 0.1277, step time: 0.3606
Batch 33/248, train_loss: 0.1051, step time: 0.3610
Batch 34/248, train_loss: 0.0709, step time: 0.3827
Batch 35/248, train_loss: 0.0781, step time: 0.3616
Batch 36/248, train_loss: 0.9969, step time: 0.3516
Batch 37/248, train_loss: 0.2617, step time: 0.3545
Batch 38/248, train_loss: 0.4478, step time: 0.3813
Batch 39/248, train_loss: 0.2155, step time: 0.3542
Batch 40/248, train_loss: 1.0000, step time: 0.3579
Batch 41/248, train_loss: 0.2302, step time: 0.3857
Batch 42/248, train_loss: 0.1037, step time: 0.3523
Batch 43/248, train_loss: 0.0823, step time: 0.3834
Batch 44/248, train_loss: 0.2488, step time: 0.3436
Batch 45/248, train_loss: 0.5667, step time: 0.3778
Batch 46/248, train_loss: 0.2259, step time: 0.3771
Batch 47/248, train_loss: 0.1471, step time: 0.3861
Batch 48/248, train_loss: 0.3440, step time: 0.3735
Batch 49/248, train_loss: 0.8354, step time: 0.3835
Batch 50/248, train_loss: 0.2643, step time: 0.3529
Batch 51/248, train_loss: 0.2440, step time: 0.3535
Batch 52/248, train_loss: 0.2603, step time: 0.3512
Batch 53/248, train_loss: 0.6274, step time: 0.3749
Batch 54/248, train_loss: 0.3372, step time: 0.3758
Batch 55/248, train_loss: 0.4131, step time: 0.3895
Batch 56/248, train_loss: 0.3165, step time: 0.3830
Batch 57/248, train_loss: 0.4999, step time: 0.3508
Batch 58/248, train_loss: 0.1230, step time: 0.3872
Batch 59/248, train_loss: 0.1709, step time: 0.3762
Batch 60/248, train_loss: 0.1087, step time: 0.3445
Batch 61/248, train_loss: 0.1625, step time: 0.3690
Batch 62/248, train_loss: 0.4275, step time: 0.3449
Batch 63/248, train_loss: 0.9165, step time: 0.3910
Batch 64/248, train_loss: 0.7921, step time: 0.3853
Batch 65/248, train_loss: 0.4469, step time: 0.3724
Batch 66/248, train_loss: 0.3175, step time: 0.3850
Batch 67/248, train_loss: 0.1364, step time: 0.3449
Batch 68/248, train_loss: 0.1643, step time: 0.3586
```

Batch 69/248, train_loss: 1.0000, step time: 0.3895
Batch 70/248, train_loss: 0.2320, step time: 0.3784
Batch 71/248, train_loss: 0.2748, step time: 0.3720
Batch 72/248, train_loss: 0.1021, step time: 0.3469
Batch 73/248, train_loss: 0.3395, step time: 0.3450
Batch 74/248, train_loss: 0.9987, step time: 0.3803
Batch 75/248, train_loss: 0.2131, step time: 0.3465
Batch 76/248, train_loss: 0.8780, step time: 0.3679
Batch 77/248, train_loss: 0.9849, step time: 0.3438
Batch 78/248, train_loss: 0.2296, step time: 0.3528
Batch 79/248, train_loss: 0.2266, step time: 0.3458
Batch 80/248, train_loss: 0.2695, step time: 0.3794
Batch 81/248, train_loss: 0.5451, step time: 0.3835
Batch 82/248, train_loss: 0.1637, step time: 0.3884
Batch 83/248, train_loss: 0.9335, step time: 0.3463
Batch 84/248, train_loss: 0.4181, step time: 0.3734
Batch 85/248, train_loss: 0.9234, step time: 0.3661
Batch 86/248, train_loss: 0.2975, step time: 0.3465
Batch 87/248, train_loss: 0.9214, step time: 0.3863
Batch 88/248, train_loss: 0.6178, step time: 0.3533
Batch 89/248, train_loss: 0.1105, step time: 0.3514
Batch 90/248, train_loss: 0.2959, step time: 0.3475
Batch 91/248, train_loss: 0.8878, step time: 0.3878
Batch 92/248, train_loss: 0.5240, step time: 0.3457
Batch 93/248, train_loss: 0.2184, step time: 0.3826
Batch 94/248, train_loss: 0.7980, step time: 0.3450
Batch 95/248, train_loss: 0.2208, step time: 0.3631
Batch 96/248, train_loss: 0.2799, step time: 0.3442
Batch 97/248, train_loss: 0.9865, step time: 0.3516
Batch 98/248, train_loss: 0.1990, step time: 0.3596
Batch 99/248, train_loss: 0.7926, step time: 0.3567
Batch 100/248, train_loss: 0.9589, step time: 0.3507
Batch 101/248, train_loss: 0.0755, step time: 0.3919
Batch 102/248, train_loss: 0.1917, step time: 0.3823
Batch 103/248, train_loss: 0.9290, step time: 0.3613
Batch 104/248, train_loss: 0.3616, step time: 0.3621
Batch 105/248, train_loss: 0.1186, step time: 0.3525
Batch 106/248, train_loss: 0.2404, step time: 0.3559
Batch 107/248, train_loss: 0.8445, step time: 0.3801
Batch 108/248, train_loss: 0.9054, step time: 0.3455
Batch 109/248, train_loss: 0.9999, step time: 0.3870
Batch 110/248, train_loss: 0.4764, step time: 0.3658
Batch 111/248, train_loss: 0.1667, step time: 0.3463
Batch 112/248, train_loss: 0.2463, step time: 0.3841
Batch 113/248, train_loss: 0.9998, step time: 0.3637
Batch 114/248, train_loss: 0.2197, step time: 0.3850
Batch 115/248, train_loss: 0.2171, step time: 0.3531
Batch 116/248, train_loss: 0.1029, step time: 0.3655
Batch 117/248, train_loss: 0.9550, step time: 0.3693
Batch 118/248, train_loss: 0.7418, step time: 0.3521
Batch 119/248, train_loss: 0.4007, step time: 0.3671
Batch 120/248, train_loss: 0.3586, step time: 0.3439
Batch 121/248, train_loss: 0.4990, step time: 0.3440
Batch 122/248, train_loss: 0.7188, step time: 0.3885
Batch 123/248, train_loss: 0.1036, step time: 0.3492
Batch 124/248, train_loss: 0.5182, step time: 0.3686
Batch 125/248, train_loss: 0.9374, step time: 0.3829
Batch 126/248, train_loss: 0.2591, step time: 0.3724
Batch 127/248, train_loss: 0.2152, step time: 0.3490
Batch 128/248, train_loss: 0.2856, step time: 0.3831
Batch 129/248, train_loss: 0.1648, step time: 0.3444
Batch 130/248, train_loss: 0.1602, step time: 0.3809
Batch 131/248, train_loss: 0.7806, step time: 0.3797
Batch 132/248, train_loss: 0.4424, step time: 0.3587
Batch 133/248, train_loss: 0.1308, step time: 0.3451
Batch 134/248, train_loss: 0.9999, step time: 0.3720
Batch 135/248, train_loss: 0.5853, step time: 0.3699
Batch 136/248, train_loss: 0.1942, step time: 0.3541
Batch 137/248, train_loss: 0.1552, step time: 0.3542
Batch 138/248, train_loss: 0.1191, step time: 0.3812
Batch 139/248, train_loss: 0.2328, step time: 0.3482
Batch 140/248, train_loss: 0.2616, step time: 0.3896
Batch 141/248, train_loss: 0.2476, step time: 0.3706
Batch 142/248, train_loss: 0.9272, step time: 0.3458
Batch 143/248, train_loss: 0.3759, step time: 0.3511
Batch 144/248, train_loss: 0.1666, step time: 0.3641
Batch 145/248, train_loss: 0.0755, step time: 0.3582
Batch 146/248, train_loss: 0.9959, step time: 0.3595
Batch 147/248, train_loss: 0.0708, step time: 0.3809
Batch 148/248, train_loss: 0.9324, step time: 0.3867
Batch 149/248, train_loss: 0.2564, step time: 0.3647
Batch 150/248, train_loss: 0.5554, step time: 0.3848
Batch 151/248, train_loss: 0.8094, step time: 0.3571
Batch 152/248, train_loss: 0.0762, step time: 0.3512
Batch 153/248, train_loss: 0.6086, step time: 0.3495

Batch 125/248, train_loss: 0.0000, step time: 0.3500
Batch 154/248, train_loss: 0.9118, step time: 0.3489
Batch 155/248, train_loss: 0.1865, step time: 0.3759
Batch 156/248, train_loss: 0.3528, step time: 0.3521
Batch 157/248, train_loss: 0.4039, step time: 0.3595
Batch 158/248, train_loss: 0.9999, step time: 0.3525
Batch 159/248, train_loss: 0.9387, step time: 0.3718
Batch 160/248, train_loss: 0.1319, step time: 0.3485
Batch 161/248, train_loss: 0.0972, step time: 0.3854
Batch 162/248, train_loss: 0.1088, step time: 0.3451
Batch 163/248, train_loss: 0.4644, step time: 0.3719
Batch 164/248, train_loss: 0.2431, step time: 0.3802
Batch 165/248, train_loss: 0.9995, step time: 0.3392
Batch 166/248, train_loss: 0.2316, step time: 0.3551
Batch 167/248, train_loss: 0.2976, step time: 0.3510
Batch 168/248, train_loss: 0.2448, step time: 0.3579
Batch 169/248, train_loss: 0.2058, step time: 0.3699
Batch 170/248, train_loss: 0.9634, step time: 0.3842
Batch 171/248, train_loss: 0.1408, step time: 0.3595
Batch 172/248, train_loss: 0.9999, step time: 0.3619
Batch 173/248, train_loss: 0.1346, step time: 0.3645
Batch 174/248, train_loss: 0.9998, step time: 0.3508
Batch 175/248, train_loss: 0.2139, step time: 0.3376
Batch 176/248, train_loss: 0.4820, step time: 0.3563
Batch 177/248, train_loss: 0.9696, step time: 0.3428
Batch 178/248, train_loss: 0.2956, step time: 0.3654
Batch 179/248, train_loss: 0.1185, step time: 0.3786
Batch 180/248, train_loss: 0.4158, step time: 0.3786
Batch 181/248, train_loss: 0.1533, step time: 0.3893
Batch 182/248, train_loss: 0.7972, step time: 0.3864
Batch 183/248, train_loss: 0.2102, step time: 0.3477
Batch 184/248, train_loss: 0.4208, step time: 0.3489
Batch 185/248, train_loss: 0.1737, step time: 0.3534
Batch 186/248, train_loss: 0.1370, step time: 0.3675
Batch 187/248, train_loss: 0.2573, step time: 0.3659
Batch 188/248, train_loss: 0.3132, step time: 0.3824
Batch 189/248, train_loss: 0.9911, step time: 0.3445
Batch 190/248, train_loss: 0.2192, step time: 0.3400
Batch 191/248, train_loss: 0.9482, step time: 0.3429
Batch 192/248, train_loss: 0.4612, step time: 0.3790
Batch 193/248, train_loss: 0.3727, step time: 0.3663
Batch 194/248, train_loss: 0.1873, step time: 0.3445
Batch 195/248, train_loss: 0.9854, step time: 0.3410
Batch 196/248, train_loss: 1.0000, step time: 0.3414
Batch 197/248, train_loss: 0.3268, step time: 0.3478
Batch 198/248, train_loss: 1.0000, step time: 0.3575
Batch 199/248, train_loss: 0.2043, step time: 0.3791
Batch 200/248, train_loss: 0.1941, step time: 0.3742
Batch 201/248, train_loss: 0.1833, step time: 0.3704
Batch 202/248, train_loss: 0.5388, step time: 0.3712
Batch 203/248, train_loss: 0.9418, step time: 0.3505
Batch 204/248, train_loss: 0.1745, step time: 0.3839
Batch 205/248, train_loss: 0.5342, step time: 0.3432
Batch 206/248, train_loss: 0.9548, step time: 0.3711
Batch 207/248, train_loss: 0.1232, step time: 0.3670
Batch 208/248, train_loss: 0.2389, step time: 0.3506
Batch 209/248, train_loss: 0.2455, step time: 0.3792
Batch 210/248, train_loss: 0.1139, step time: 0.3731
Batch 211/248, train_loss: 0.1164, step time: 0.3640
Batch 212/248, train_loss: 0.3179, step time: 0.3386
Batch 213/248, train_loss: 0.2516, step time: 0.3405
Batch 214/248, train_loss: 0.1459, step time: 0.3821
Batch 215/248, train_loss: 0.4137, step time: 0.3847
Batch 216/248, train_loss: 0.2485, step time: 0.3543
Batch 217/248, train_loss: 0.6242, step time: 0.3646
Batch 218/248, train_loss: 0.9998, step time: 0.3503
Batch 219/248, train_loss: 0.1008, step time: 0.3753
Batch 220/248, train_loss: 0.3875, step time: 0.3448
Batch 221/248, train_loss: 0.4186, step time: 0.3471
Batch 222/248, train_loss: 0.2577, step time: 0.3722
Batch 223/248, train_loss: 0.0803, step time: 0.3844
Batch 224/248, train_loss: 0.1452, step time: 0.3387
Batch 225/248, train_loss: 0.8866, step time: 0.3808
Batch 226/248, train_loss: 0.3612, step time: 0.3770
Batch 227/248, train_loss: 0.1832, step time: 0.3500
Batch 228/248, train_loss: 0.3077, step time: 0.3675
Batch 229/248, train_loss: 0.1625, step time: 0.3461
Batch 230/248, train_loss: 0.1545, step time: 0.3723
Batch 231/248, train_loss: 0.9467, step time: 0.3415
Batch 232/248, train_loss: 0.1272, step time: 0.3857
Batch 233/248, train_loss: 0.9957, step time: 0.3820
Batch 234/248, train_loss: 0.7804, step time: 0.3619
Batch 235/248, train_loss: 0.9136, step time: 0.3447
Batch 236/248, train_loss: 0.9996, step time: 0.3452
Batch 237/248, train_loss: 0.2326, step time: 0.3742

```
Batch 238/248, train_loss: 0.1509, step time: 0.3874
Batch 239/248, train_loss: 0.0904, step time: 0.3569
Batch 240/248, train_loss: 0.4009, step time: 0.3564
Batch 241/248, train_loss: 1.0000, step time: 0.3524
Batch 242/248, train_loss: 0.3293, step time: 0.3695
Batch 243/248, train_loss: 0.9735, step time: 0.3817
Batch 244/248, train_loss: 0.7748, step time: 0.3436
Batch 245/248, train_loss: 0.1485, step time: 0.3505
Batch 246/248, train_loss: 0.9216, step time: 0.3619
Batch 247/248, train_loss: 0.1102, step time: 0.3815
Batch 248/248, train_loss: 1.0000, step time: 0.3460
```

Labels



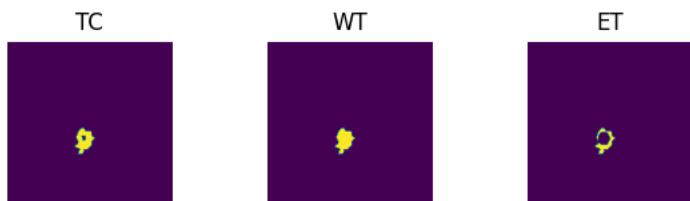
Predictions



VAL

```
Batch 1/31, val_loss: 0.5465
Batch 2/31, val_loss: 0.6723
Batch 3/31, val_loss: 0.6251
Batch 4/31, val_loss: 0.5913
Batch 5/31, val_loss: 0.7709
Batch 6/31, val_loss: 0.0974
Batch 7/31, val_loss: 0.3428
Batch 8/31, val_loss: 0.4638
Batch 9/31, val_loss: 0.1408
Batch 10/31, val_loss: 0.5432
Batch 11/31, val_loss: 0.5141
Batch 12/31, val_loss: 0.6217
Batch 13/31, val_loss: 0.5688
Batch 14/31, val_loss: 0.5467
Batch 15/31, val_loss: 0.6357
Batch 16/31, val_loss: 0.7569
Batch 17/31, val_loss: 0.6173
Batch 18/31, val_loss: 0.4954
Batch 19/31, val_loss: 0.1795
Batch 20/31, val_loss: 0.6389
Batch 21/31, val_loss: 0.6124
Batch 22/31, val_loss: 0.7229
Batch 23/31, val_loss: 0.4483
Batch 24/31, val_loss: 0.0512
Batch 25/31, val_loss: 0.3142
Batch 26/31, val_loss: 0.7776
Batch 27/31, val_loss: 0.6051
Batch 28/31, val_loss: 0.3621
Batch 29/31, val_loss: 0.7519
Batch 30/31, val_loss: 0.5745
Batch 31/31, val_loss: 0.6826
```

Labels



Predictions





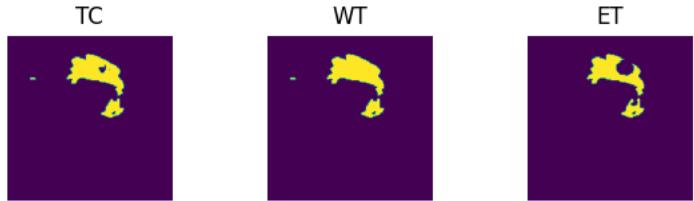
```
epoch 94
average train loss: 0.4502
average validation loss: 0.5249
saved as best model: False
current mean dice: 0.4003
current TC dice: 0.4215
current WT dice: 0.4287
current ET dice: 0.3881
Best Mean Metric: 0.4090
time consuming of epoch 94 is: 1403.1740
-----
epoch 95/100
TRAIN
Batch 1/248, train_loss: 0.1073, step time: 0.3599
Batch 2/248, train_loss: 1.0000, step time: 0.3896
Batch 3/248, train_loss: 0.6252, step time: 0.3460
Batch 4/248, train_loss: 0.9979, step time: 0.3881
Batch 5/248, train_loss: 0.3547, step time: 0.3529
Batch 6/248, train_loss: 0.6012, step time: 0.3481
Batch 7/248, train_loss: 0.1107, step time: 0.3439
Batch 8/248, train_loss: 0.7460, step time: 0.3424
Batch 9/248, train_loss: 0.0689, step time: 0.3441
Batch 10/248, train_loss: 0.4041, step time: 0.3656
Batch 11/248, train_loss: 0.3222, step time: 0.3827
Batch 12/248, train_loss: 0.8670, step time: 0.3837
Batch 13/248, train_loss: 0.7306, step time: 0.3441
Batch 14/248, train_loss: 0.0740, step time: 0.3792
Batch 15/248, train_loss: 0.4958, step time: 0.3633
Batch 16/248, train_loss: 0.2447, step time: 0.3443
Batch 17/248, train_loss: 0.9400, step time: 0.3435
Batch 18/248, train_loss: 0.8288, step time: 0.3417
Batch 19/248, train_loss: 0.1600, step time: 0.3507
Batch 20/248, train_loss: 0.2153, step time: 0.3765
Batch 21/248, train_loss: 0.0845, step time: 0.3679
Batch 22/248, train_loss: 1.0000, step time: 0.3870
Batch 23/248, train_loss: 1.0000, step time: 0.3612
Batch 24/248, train_loss: 0.1765, step time: 0.3805
Batch 25/248, train_loss: 0.1109, step time: 0.3802
Batch 26/248, train_loss: 0.9939, step time: 0.3795
Batch 27/248, train_loss: 0.1107, step time: 0.3458
Batch 28/248, train_loss: 0.3521, step time: 0.3489
Batch 29/248, train_loss: 0.9698, step time: 0.3890
Batch 30/248, train_loss: 0.3097, step time: 0.3565
Batch 31/248, train_loss: 0.4161, step time: 0.3883
Batch 32/248, train_loss: 0.1220, step time: 0.3451
Batch 33/248, train_loss: 0.1212, step time: 0.3540
Batch 34/248, train_loss: 0.0639, step time: 0.3652
Batch 35/248, train_loss: 0.0831, step time: 0.3808
Batch 36/248, train_loss: 0.9999, step time: 0.3571
Batch 37/248, train_loss: 0.2543, step time: 0.3640
Batch 38/248, train_loss: 0.3787, step time: 0.3859
Batch 39/248, train_loss: 0.2096, step time: 0.3449
Batch 40/248, train_loss: 1.0000, step time: 0.3557
Batch 41/248, train_loss: 0.2395, step time: 0.3671
Batch 42/248, train_loss: 0.0978, step time: 0.3781
Batch 43/248, train_loss: 0.1237, step time: 0.3704
Batch 44/248, train_loss: 0.2638, step time: 0.3853
Batch 45/248, train_loss: 0.5826, step time: 0.3762
Batch 46/248, train_loss: 0.2233, step time: 0.3626
Batch 47/248, train_loss: 0.1402, step time: 0.3640
Batch 48/248, train_loss: 0.3079, step time: 0.3904
Batch 49/248, train_loss: 0.6847, step time: 0.3518
Batch 50/248, train_loss: 0.2670, step time: 0.3529
Batch 51/248, train_loss: 0.2326, step time: 0.3617
Batch 52/248, train_loss: 0.2106, step time: 0.3882
Batch 53/248, train_loss: 0.6185, step time: 0.3847
Batch 54/248, train_loss: 0.3317, step time: 0.3622
Batch 55/248, train_loss: 0.4361, step time: 0.3591
Batch 56/248, train_loss: 0.2878, step time: 0.3592
Batch 57/248, train_loss: 0.4264, step time: 0.3603
Batch 58/248, train_loss: 0.1235, step time: 0.3728
Batch 59/248, train_loss: 0.1541, step time: 0.3643
Batch 60/248, train_loss: 0.1121, step time: 0.3771
Batch 61/248, train_loss: 0.1702, step time: 0.3438
Batch 62/248, train_loss: 0.3986, step time: 0.3761
Batch 63/248, train_loss: 0.8835, step time: 0.3479
Batch 64/248, train_loss: 0.7405, step time: 0.3642
Batch 65/248, train_loss: 0.4558, step time: 0.3688
Batch 66/248, train_loss: 0.2674, step time: 0.3455
Batch 67/248, train_loss: 0.1382, step time: 0.3514
Batch 68/248, train_loss: 0.1665, step time: 0.3417
```

Batch 55/248, train_loss: 0.1000, step time: 0.3747
Batch 69/248, train_loss: 0.9989, step time: 0.3786
Batch 70/248, train_loss: 0.2107, step time: 0.3607
Batch 71/248, train_loss: 0.2529, step time: 0.3601
Batch 72/248, train_loss: 0.0897, step time: 0.3421
Batch 73/248, train_loss: 0.1250, step time: 0.3626
Batch 74/248, train_loss: 0.9933, step time: 0.3845
Batch 75/248, train_loss: 0.2107, step time: 0.3478
Batch 76/248, train_loss: 0.9145, step time: 0.3558
Batch 77/248, train_loss: 0.9810, step time: 0.3684
Batch 78/248, train_loss: 0.1675, step time: 0.3657
Batch 79/248, train_loss: 0.2617, step time: 0.3736
Batch 80/248, train_loss: 0.2911, step time: 0.3667
Batch 81/248, train_loss: 0.3643, step time: 0.3647
Batch 82/248, train_loss: 0.1556, step time: 0.3514
Batch 83/248, train_loss: 0.9152, step time: 0.3564
Batch 84/248, train_loss: 0.3298, step time: 0.3671
Batch 85/248, train_loss: 0.9513, step time: 0.3555
Batch 86/248, train_loss: 0.2978, step time: 0.3550
Batch 87/248, train_loss: 0.8819, step time: 0.3549
Batch 88/248, train_loss: 0.6134, step time: 0.3442
Batch 89/248, train_loss: 0.0970, step time: 0.3418
Batch 90/248, train_loss: 0.2765, step time: 0.3441
Batch 91/248, train_loss: 0.9264, step time: 0.3840
Batch 92/248, train_loss: 0.4272, step time: 0.3656
Batch 93/248, train_loss: 0.1973, step time: 0.3746
Batch 94/248, train_loss: 0.7926, step time: 0.3451
Batch 95/248, train_loss: 0.2147, step time: 0.3862
Batch 96/248, train_loss: 0.2437, step time: 0.3821
Batch 97/248, train_loss: 1.0000, step time: 0.3443
Batch 98/248, train_loss: 0.1630, step time: 0.3721
Batch 99/248, train_loss: 0.7364, step time: 0.3613
Batch 100/248, train_loss: 0.9241, step time: 0.3523
Batch 101/248, train_loss: 0.0753, step time: 0.3540
Batch 102/248, train_loss: 0.2116, step time: 0.3437
Batch 103/248, train_loss: 0.9326, step time: 0.3494
Batch 104/248, train_loss: 0.3813, step time: 0.3709
Batch 105/248, train_loss: 0.1237, step time: 0.3816
Batch 106/248, train_loss: 0.2973, step time: 0.3502
Batch 107/248, train_loss: 0.8579, step time: 0.3811
Batch 108/248, train_loss: 0.8185, step time: 0.3789
Batch 109/248, train_loss: 0.9998, step time: 0.3431
Batch 110/248, train_loss: 0.5155, step time: 0.3723
Batch 111/248, train_loss: 0.1570, step time: 0.3475
Batch 112/248, train_loss: 0.2091, step time: 0.3564
Batch 113/248, train_loss: 0.9999, step time: 0.3758
Batch 114/248, train_loss: 0.2184, step time: 0.3415
Batch 115/248, train_loss: 0.2279, step time: 0.3699
Batch 116/248, train_loss: 0.1038, step time: 0.3698
Batch 117/248, train_loss: 0.9322, step time: 0.3575
Batch 118/248, train_loss: 0.5880, step time: 0.3593
Batch 119/248, train_loss: 0.4024, step time: 0.3693
Batch 120/248, train_loss: 0.3134, step time: 0.3708
Batch 121/248, train_loss: 0.5165, step time: 0.3443
Batch 122/248, train_loss: 0.7421, step time: 0.3481
Batch 123/248, train_loss: 0.0922, step time: 0.3669
Batch 124/248, train_loss: 0.4484, step time: 0.3738
Batch 125/248, train_loss: 0.9106, step time: 0.3458
Batch 126/248, train_loss: 0.2511, step time: 0.3518
Batch 127/248, train_loss: 0.1973, step time: 0.3405
Batch 128/248, train_loss: 0.3479, step time: 0.3448
Batch 129/248, train_loss: 0.1665, step time: 0.3818
Batch 130/248, train_loss: 0.1682, step time: 0.3613
Batch 131/248, train_loss: 0.8634, step time: 0.3446
Batch 132/248, train_loss: 0.3824, step time: 0.3672
Batch 133/248, train_loss: 0.2227, step time: 0.3443
Batch 134/248, train_loss: 1.0000, step time: 0.3759
Batch 135/248, train_loss: 0.9099, step time: 0.3763
Batch 136/248, train_loss: 0.2263, step time: 0.3723
Batch 137/248, train_loss: 0.2323, step time: 0.3498
Batch 138/248, train_loss: 0.1317, step time: 0.3557
Batch 139/248, train_loss: 0.1924, step time: 0.3803
Batch 140/248, train_loss: 0.2852, step time: 0.3444
Batch 141/248, train_loss: 0.2758, step time: 0.3837
Batch 142/248, train_loss: 0.9898, step time: 0.3616
Batch 143/248, train_loss: 0.4554, step time: 0.3691
Batch 144/248, train_loss: 0.1733, step time: 0.3429
Batch 145/248, train_loss: 0.1154, step time: 0.3709
Batch 146/248, train_loss: 0.9758, step time: 0.3608
Batch 147/248, train_loss: 0.0632, step time: 0.3633
Batch 148/248, train_loss: 0.9399, step time: 0.3820
Batch 149/248, train_loss: 0.2471, step time: 0.3834
Batch 150/248, train_loss: 0.5516, step time: 0.3507
Batch 151/248, train_loss: 0.5243, step time: 0.3453
Batch 152/248, train_loss: 0.0704, step time: 0.3427

Batch 153/248, train_loss: 0.5781, step time: 0.3571
Batch 154/248, train_loss: 0.9093, step time: 0.3432
Batch 155/248, train_loss: 0.1581, step time: 0.3399
Batch 156/248, train_loss: 0.2459, step time: 0.3460
Batch 157/248, train_loss: 0.4088, step time: 0.3679
Batch 158/248, train_loss: 1.0000, step time: 0.3831
Batch 159/248, train_loss: 0.9679, step time: 0.3525
Batch 160/248, train_loss: 0.1443, step time: 0.3855
Batch 161/248, train_loss: 0.1098, step time: 0.3484
Batch 162/248, train_loss: 0.1015, step time: 0.3860
Batch 163/248, train_loss: 0.5578, step time: 0.3473
Batch 164/248, train_loss: 0.3635, step time: 0.3440
Batch 165/248, train_loss: 0.9861, step time: 0.3468
Batch 166/248, train_loss: 0.2652, step time: 0.3877
Batch 167/248, train_loss: 0.3259, step time: 0.3879
Batch 168/248, train_loss: 0.2666, step time: 0.4142
Batch 169/248, train_loss: 0.1901, step time: 0.3410
Batch 170/248, train_loss: 0.9165, step time: 0.3656
Batch 171/248, train_loss: 0.1196, step time: 0.3410
Batch 172/248, train_loss: 0.9990, step time: 0.3857
Batch 173/248, train_loss: 0.1217, step time: 0.3449
Batch 174/248, train_loss: 0.9159, step time: 0.3862
Batch 175/248, train_loss: 0.2065, step time: 0.3819
Batch 176/248, train_loss: 0.4573, step time: 0.3656
Batch 177/248, train_loss: 0.9947, step time: 0.3424
Batch 178/248, train_loss: 0.5658, step time: 0.3835
Batch 179/248, train_loss: 0.1243, step time: 0.3442
Batch 180/248, train_loss: 0.4305, step time: 0.3843
Batch 181/248, train_loss: 0.1613, step time: 0.3437
Batch 182/248, train_loss: 0.8953, step time: 0.3405
Batch 183/248, train_loss: 0.2070, step time: 0.3412
Batch 184/248, train_loss: 0.4916, step time: 0.3698
Batch 185/248, train_loss: 0.1647, step time: 0.3749
Batch 186/248, train_loss: 0.1262, step time: 0.3509
Batch 187/248, train_loss: 0.2376, step time: 0.3578
Batch 188/248, train_loss: 0.3195, step time: 0.3600
Batch 189/248, train_loss: 0.9774, step time: 0.3517
Batch 190/248, train_loss: 0.2484, step time: 0.3618
Batch 191/248, train_loss: 0.9386, step time: 0.3437
Batch 192/248, train_loss: 0.3121, step time: 0.3534
Batch 193/248, train_loss: 0.4493, step time: 0.3423
Batch 194/248, train_loss: 0.1381, step time: 0.3657
Batch 195/248, train_loss: 0.9988, step time: 0.3688
Batch 196/248, train_loss: 1.0000, step time: 0.3527
Batch 197/248, train_loss: 0.3115, step time: 0.3410
Batch 198/248, train_loss: 1.0000, step time: 0.3545
Batch 199/248, train_loss: 0.2138, step time: 0.3853
Batch 200/248, train_loss: 0.2001, step time: 0.3478
Batch 201/248, train_loss: 0.1841, step time: 0.3379
Batch 202/248, train_loss: 0.5418, step time: 0.3645
Batch 203/248, train_loss: 0.9562, step time: 0.3717
Batch 204/248, train_loss: 0.1522, step time: 0.3454
Batch 205/248, train_loss: 0.5274, step time: 0.3812
Batch 206/248, train_loss: 0.9182, step time: 0.3390
Batch 207/248, train_loss: 0.1118, step time: 0.3845
Batch 208/248, train_loss: 0.2423, step time: 0.3480
Batch 209/248, train_loss: 0.2154, step time: 0.3665
Batch 210/248, train_loss: 0.1135, step time: 0.3627
Batch 211/248, train_loss: 0.1180, step time: 0.3666
Batch 212/248, train_loss: 0.5523, step time: 0.3466
Batch 213/248, train_loss: 0.2398, step time: 0.3633
Batch 214/248, train_loss: 0.1384, step time: 0.3871
Batch 215/248, train_loss: 0.3616, step time: 0.3779
Batch 216/248, train_loss: 0.2630, step time: 0.3840
Batch 217/248, train_loss: 0.4820, step time: 0.3841
Batch 218/248, train_loss: 0.9997, step time: 0.3634
Batch 219/248, train_loss: 0.0977, step time: 0.3717
Batch 220/248, train_loss: 0.3887, step time: 0.3681
Batch 221/248, train_loss: 0.3965, step time: 0.3440
Batch 222/248, train_loss: 0.2804, step time: 0.3456
Batch 223/248, train_loss: 0.0782, step time: 0.3708
Batch 224/248, train_loss: 0.1406, step time: 0.3825
Batch 225/248, train_loss: 0.8995, step time: 0.3435
Batch 226/248, train_loss: 0.4396, step time: 0.3667
Batch 227/248, train_loss: 0.1912, step time: 0.3770
Batch 228/248, train_loss: 0.3197, step time: 0.3490
Batch 229/248, train_loss: 0.1528, step time: 0.3381
Batch 230/248, train_loss: 0.1447, step time: 0.3595
Batch 231/248, train_loss: 0.9897, step time: 0.3823
Batch 232/248, train_loss: 0.1285, step time: 0.3818
Batch 233/248, train_loss: 0.9944, step time: 0.3690
Batch 234/248, train_loss: 0.8856, step time: 0.3497
Batch 235/248, train_loss: 0.7987, step time: 0.3494
Batch 236/248, train_loss: 0.9999, step time: 0.3827
Batch 237/248, train_loss: 0.2252, step time: 0.3681

```
Batch 238/248, train_loss: 0.1246, step time: 0.3558
Batch 239/248, train_loss: 0.0846, step time: 0.3722
Batch 240/248, train_loss: 0.4317, step time: 0.3389
Batch 241/248, train_loss: 1.0000, step time: 0.3800
Batch 242/248, train_loss: 0.2945, step time: 0.3799
Batch 243/248, train_loss: 0.9633, step time: 0.3710
Batch 244/248, train_loss: 0.6595, step time: 0.3532
Batch 245/248, train_loss: 0.1711, step time: 0.3460
Batch 246/248, train_loss: 0.8739, step time: 0.3714
Batch 247/248, train_loss: 0.1128, step time: 0.3471
Batch 248/248, train_loss: 1.0000, step time: 0.3407
```

Labels



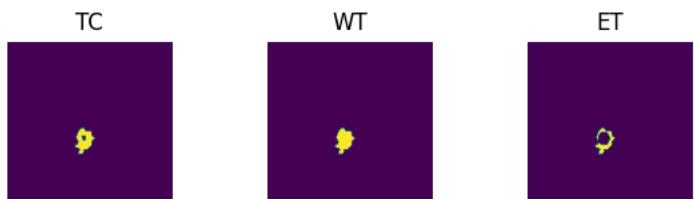
Predictions



VAL

```
Batch 1/31, val_loss: 0.6014
Batch 2/31, val_loss: 0.6850
Batch 3/31, val_loss: 0.6160
Batch 4/31, val_loss: 0.5880
Batch 5/31, val_loss: 0.7355
Batch 6/31, val_loss: 0.1128
Batch 7/31, val_loss: 0.4905
Batch 8/31, val_loss: 0.4431
Batch 9/31, val_loss: 0.1753
Batch 10/31, val_loss: 0.5458
Batch 11/31, val_loss: 0.5670
Batch 12/31, val_loss: 0.6021
Batch 13/31, val_loss: 0.5602
Batch 14/31, val_loss: 0.5643
Batch 15/31, val_loss: 0.6090
Batch 16/31, val_loss: 0.7065
Batch 17/31, val_loss: 0.5081
Batch 18/31, val_loss: 0.4827
Batch 19/31, val_loss: 0.1801
Batch 20/31, val_loss: 0.6586
Batch 21/31, val_loss: 0.6696
Batch 22/31, val_loss: 0.7187
Batch 23/31, val_loss: 0.5208
Batch 24/31, val_loss: 0.0501
Batch 25/31, val_loss: 0.3579
Batch 26/31, val_loss: 0.8104
Batch 27/31, val_loss: 0.5743
Batch 28/31, val_loss: 0.3862
Batch 29/31, val_loss: 0.6912
Batch 30/31, val_loss: 0.5438
Batch 31/31, val_loss: 0.6763
```

Labels



Predictions





```
epoch 95
    average train loss: 0.4475
    average validation loss: 0.5300
    saved as best model: True
    current mean dice: 0.4234
    current TC dice: 0.4489
    current WT dice: 0.4574
    current ET dice: 0.4025
Best Mean Metric: 0.4234
time consuming of epoch 95 is: 1398.8912
```

```
epoch 96/100
```

TRAIN

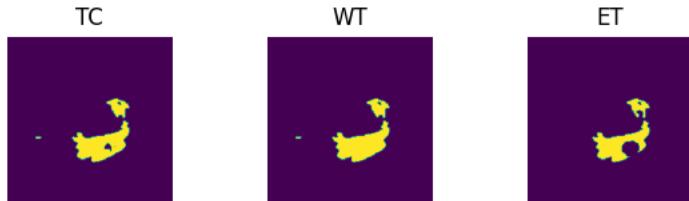
```
Batch 1/248, train_loss: 0.1075, step time: 0.3656
Batch 2/248, train_loss: 0.9957, step time: 0.3839
Batch 3/248, train_loss: 0.5554, step time: 0.3835
Batch 4/248, train_loss: 1.0000, step time: 0.3539
Batch 5/248, train_loss: 0.3400, step time: 0.3429
Batch 6/248, train_loss: 0.4440, step time: 0.3681
Batch 7/248, train_loss: 0.1094, step time: 0.3664
Batch 8/248, train_loss: 0.7193, step time: 0.3464
Batch 9/248, train_loss: 0.0650, step time: 0.3655
Batch 10/248, train_loss: 0.4503, step time: 0.3775
Batch 11/248, train_loss: 0.3276, step time: 0.3445
Batch 12/248, train_loss: 0.8298, step time: 0.3899
Batch 13/248, train_loss: 0.6311, step time: 0.3800
Batch 14/248, train_loss: 0.0714, step time: 0.3694
Batch 15/248, train_loss: 0.4894, step time: 0.3570
Batch 16/248, train_loss: 0.2677, step time: 0.3607
Batch 17/248, train_loss: 0.9963, step time: 0.3377
Batch 18/248, train_loss: 0.8360, step time: 0.3645
Batch 19/248, train_loss: 0.1873, step time: 0.3530
Batch 20/248, train_loss: 0.2969, step time: 0.3679
Batch 21/248, train_loss: 0.0858, step time: 0.3547
Batch 22/248, train_loss: 0.9996, step time: 0.3500
Batch 23/248, train_loss: 0.9998, step time: 0.3860
Batch 24/248, train_loss: 0.1619, step time: 0.3387
Batch 25/248, train_loss: 0.1132, step time: 0.3738
Batch 26/248, train_loss: 0.8255, step time: 0.3624
Batch 27/248, train_loss: 0.0966, step time: 0.3506
Batch 28/248, train_loss: 0.3144, step time: 0.3815
Batch 29/248, train_loss: 0.8253, step time: 0.3737
Batch 30/248, train_loss: 0.8388, step time: 0.3834
Batch 31/248, train_loss: 0.4011, step time: 0.3444
Batch 32/248, train_loss: 0.1255, step time: 0.3406
Batch 33/248, train_loss: 0.1064, step time: 0.3442
Batch 34/248, train_loss: 0.0691, step time: 0.3442
Batch 35/248, train_loss: 0.0853, step time: 0.3825
Batch 36/248, train_loss: 0.9998, step time: 0.3637
Batch 37/248, train_loss: 0.2441, step time: 0.3747
Batch 38/248, train_loss: 0.3811, step time: 0.3402
Batch 39/248, train_loss: 0.2553, step time: 0.3471
Batch 40/248, train_loss: 1.0000, step time: 0.3723
Batch 41/248, train_loss: 0.2081, step time: 0.3454
Batch 42/248, train_loss: 0.1005, step time: 0.3786
Batch 43/248, train_loss: 0.0865, step time: 0.3429
Batch 44/248, train_loss: 0.1907, step time: 0.3658
Batch 45/248, train_loss: 0.5637, step time: 0.3798
Batch 46/248, train_loss: 0.2411, step time: 0.3792
Batch 47/248, train_loss: 0.1530, step time: 0.3454
Batch 48/248, train_loss: 0.3468, step time: 0.3621
Batch 49/248, train_loss: 0.7763, step time: 0.3628
Batch 50/248, train_loss: 0.2629, step time: 0.3816
Batch 51/248, train_loss: 0.2486, step time: 0.3457
Batch 52/248, train_loss: 0.2372, step time: 0.3777
Batch 53/248, train_loss: 0.6620, step time: 0.3764
Batch 54/248, train_loss: 0.3433, step time: 0.3407
Batch 55/248, train_loss: 0.4031, step time: 0.3697
Batch 56/248, train_loss: 0.3590, step time: 0.3459
Batch 57/248, train_loss: 0.3955, step time: 0.3742
Batch 58/248, train_loss: 0.1272, step time: 0.3615
Batch 59/248, train_loss: 0.1381, step time: 0.3676
Batch 60/248, train_loss: 0.1154, step time: 0.3435
Batch 61/248, train_loss: 0.1746, step time: 0.3707
Batch 62/248, train_loss: 0.3531, step time: 0.3764
Batch 63/248, train_loss: 0.9097, step time: 0.3427
Batch 64/248, train_loss: 0.7319, step time: 0.3732
Batch 65/248, train_loss: 0.3956, step time: 0.3744
Batch 66/248, train_loss: 0.2349, step time: 0.3562
Batch 67/248, train_loss: 0.1326, step time: 0.3389
```

Batch 68/248, train_loss: 0.1436, step time: 0.3393
Batch 69/248, train_loss: 0.9994, step time: 0.3807
Batch 70/248, train_loss: 0.2130, step time: 0.3456
Batch 71/248, train_loss: 0.3113, step time: 0.3651
Batch 72/248, train_loss: 0.1033, step time: 0.3805
Batch 73/248, train_loss: 0.2825, step time: 0.3581
Batch 74/248, train_loss: 0.9982, step time: 0.3768
Batch 75/248, train_loss: 0.2161, step time: 0.3808
Batch 76/248, train_loss: 0.8210, step time: 0.3419
Batch 77/248, train_loss: 0.9554, step time: 0.3726
Batch 78/248, train_loss: 0.2034, step time: 0.3691
Batch 79/248, train_loss: 0.1960, step time: 0.3440
Batch 80/248, train_loss: 0.2903, step time: 0.3672
Batch 81/248, train_loss: 0.3184, step time: 0.3775
Batch 82/248, train_loss: 0.1552, step time: 0.3828
Batch 83/248, train_loss: 0.8887, step time: 0.3405
Batch 84/248, train_loss: 0.4293, step time: 0.3772
Batch 85/248, train_loss: 0.9068, step time: 0.3724
Batch 86/248, train_loss: 0.3472, step time: 0.3624
Batch 87/248, train_loss: 0.8943, step time: 0.3613
Batch 88/248, train_loss: 0.6017, step time: 0.3634
Batch 89/248, train_loss: 0.1084, step time: 0.3891
Batch 90/248, train_loss: 0.7495, step time: 0.3721
Batch 91/248, train_loss: 0.8272, step time: 0.3622
Batch 92/248, train_loss: 0.3938, step time: 0.3730
Batch 93/248, train_loss: 0.2216, step time: 0.3807
Batch 94/248, train_loss: 0.7690, step time: 0.3859
Batch 95/248, train_loss: 0.2199, step time: 0.3502
Batch 96/248, train_loss: 0.2706, step time: 0.3456
Batch 97/248, train_loss: 0.9984, step time: 0.4145
Batch 98/248, train_loss: 0.1728, step time: 0.4162
Batch 99/248, train_loss: 0.6193, step time: 0.3430
Batch 100/248, train_loss: 0.9290, step time: 0.3452
Batch 101/248, train_loss: 0.0748, step time: 0.3438
Batch 102/248, train_loss: 0.1992, step time: 0.3411
Batch 103/248, train_loss: 0.8891, step time: 0.3467
Batch 104/248, train_loss: 0.3931, step time: 0.3468
Batch 105/248, train_loss: 0.1228, step time: 0.3550
Batch 106/248, train_loss: 0.2478, step time: 0.3441
Batch 107/248, train_loss: 0.4665, step time: 0.3835
Batch 108/248, train_loss: 0.6753, step time: 0.3616
Batch 109/248, train_loss: 0.9816, step time: 0.3689
Batch 110/248, train_loss: 0.5159, step time: 0.3436
Batch 111/248, train_loss: 0.1747, step time: 0.3556
Batch 112/248, train_loss: 0.2917, step time: 0.3617
Batch 113/248, train_loss: 1.0000, step time: 0.3473
Batch 114/248, train_loss: 0.2300, step time: 0.3638
Batch 115/248, train_loss: 0.2775, step time: 0.3738
Batch 116/248, train_loss: 0.1240, step time: 0.3565
Batch 117/248, train_loss: 0.9203, step time: 0.3701
Batch 118/248, train_loss: 0.7289, step time: 0.3645
Batch 119/248, train_loss: 0.4632, step time: 0.3433
Batch 120/248, train_loss: 0.3602, step time: 0.3525
Batch 121/248, train_loss: 0.4707, step time: 0.3684
Batch 122/248, train_loss: 0.7149, step time: 0.3429
Batch 123/248, train_loss: 0.0994, step time: 0.3787
Batch 124/248, train_loss: 0.5861, step time: 0.3476
Batch 125/248, train_loss: 0.9979, step time: 0.3650
Batch 126/248, train_loss: 0.2578, step time: 0.3395
Batch 127/248, train_loss: 0.2190, step time: 0.3640
Batch 128/248, train_loss: 0.3632, step time: 0.3447
Batch 129/248, train_loss: 0.1636, step time: 0.3701
Batch 130/248, train_loss: 0.1458, step time: 0.3807
Batch 131/248, train_loss: 0.7998, step time: 0.3815
Batch 132/248, train_loss: 0.3887, step time: 0.3391
Batch 133/248, train_loss: 0.1161, step time: 0.3776
Batch 134/248, train_loss: 0.9997, step time: 0.3596
Batch 135/248, train_loss: 0.5771, step time: 0.3409
Batch 136/248, train_loss: 0.2845, step time: 0.3599
Batch 137/248, train_loss: 0.1586, step time: 0.3516
Batch 138/248, train_loss: 0.1270, step time: 0.3604
Batch 139/248, train_loss: 0.1827, step time: 0.3838
Batch 140/248, train_loss: 0.2956, step time: 0.3494
Batch 141/248, train_loss: 0.2456, step time: 0.3843
Batch 142/248, train_loss: 0.9993, step time: 0.3734
Batch 143/248, train_loss: 0.4258, step time: 0.3670
Batch 144/248, train_loss: 0.1717, step time: 0.3567
Batch 145/248, train_loss: 0.1101, step time: 0.3408
Batch 146/248, train_loss: 0.9977, step time: 0.3466
Batch 147/248, train_loss: 0.0754, step time: 0.3782
Batch 148/248, train_loss: 0.9385, step time: 0.3849
Batch 149/248, train_loss: 0.2603, step time: 0.3423
Batch 150/248, train_loss: 0.5944, step time: 0.3418
Batch 151/248, train_loss: 0.7761, step time: 0.3445
Batch 152/248, train_loss: 0.0658, step time: 0.3524

Batch 153/248, train_loss: 0.6811, step time: 0.3408
Batch 154/248, train_loss: 0.7114, step time: 0.3577
Batch 155/248, train_loss: 0.1457, step time: 0.3429
Batch 156/248, train_loss: 0.3521, step time: 0.3568
Batch 157/248, train_loss: 0.4033, step time: 0.3795
Batch 158/248, train_loss: 0.9972, step time: 0.3635
Batch 159/248, train_loss: 0.9995, step time: 0.3759
Batch 160/248, train_loss: 0.1406, step time: 0.3847
Batch 161/248, train_loss: 0.0919, step time: 0.3409
Batch 162/248, train_loss: 0.1141, step time: 0.3810
Batch 163/248, train_loss: 0.4214, step time: 0.3532
Batch 164/248, train_loss: 0.3593, step time: 0.3637
Batch 165/248, train_loss: 0.9998, step time: 0.3505
Batch 166/248, train_loss: 0.2332, step time: 0.3575
Batch 167/248, train_loss: 0.3175, step time: 0.3786
Batch 168/248, train_loss: 0.2354, step time: 0.3795
Batch 169/248, train_loss: 0.1957, step time: 0.3800
Batch 170/248, train_loss: 0.9787, step time: 0.3849
Batch 171/248, train_loss: 0.1248, step time: 0.3792
Batch 172/248, train_loss: 1.0000, step time: 0.3834
Batch 173/248, train_loss: 0.1290, step time: 0.3815
Batch 174/248, train_loss: 1.0000, step time: 0.3393
Batch 175/248, train_loss: 0.1989, step time: 0.3790
Batch 176/248, train_loss: 0.4625, step time: 0.3759
Batch 177/248, train_loss: 0.9897, step time: 0.3536
Batch 178/248, train_loss: 0.3620, step time: 0.3448
Batch 179/248, train_loss: 0.1200, step time: 0.3399
Batch 180/248, train_loss: 0.4176, step time: 0.3420
Batch 181/248, train_loss: 0.1612, step time: 0.3439
Batch 182/248, train_loss: 0.9045, step time: 0.3723
Batch 183/248, train_loss: 0.2349, step time: 0.3551
Batch 184/248, train_loss: 0.4221, step time: 0.3766
Batch 185/248, train_loss: 0.1519, step time: 0.3563
Batch 186/248, train_loss: 0.1389, step time: 0.3822
Batch 187/248, train_loss: 0.2920, step time: 0.3595
Batch 188/248, train_loss: 0.3354, step time: 0.3455
Batch 189/248, train_loss: 0.9910, step time: 0.3495
Batch 190/248, train_loss: 0.2168, step time: 0.3863
Batch 191/248, train_loss: 0.9817, step time: 0.3569
Batch 192/248, train_loss: 0.3456, step time: 0.3763
Batch 193/248, train_loss: 0.4454, step time: 0.3582
Batch 194/248, train_loss: 0.1467, step time: 0.3700
Batch 195/248, train_loss: 1.0000, step time: 0.3545
Batch 196/248, train_loss: 1.0000, step time: 0.3450
Batch 197/248, train_loss: 0.2975, step time: 0.3789
Batch 198/248, train_loss: 1.0000, step time: 0.3617
Batch 199/248, train_loss: 0.1797, step time: 0.3436
Batch 200/248, train_loss: 0.2136, step time: 0.3576
Batch 201/248, train_loss: 0.1755, step time: 0.3464
Batch 202/248, train_loss: 0.5150, step time: 0.3474
Batch 203/248, train_loss: 0.9087, step time: 0.3547
Batch 204/248, train_loss: 0.1281, step time: 0.3455
Batch 205/248, train_loss: 0.4893, step time: 0.3852
Batch 206/248, train_loss: 0.8939, step time: 0.3503
Batch 207/248, train_loss: 0.1129, step time: 0.3596
Batch 208/248, train_loss: 0.2425, step time: 0.3757
Batch 209/248, train_loss: 0.1991, step time: 0.3702
Batch 210/248, train_loss: 0.1167, step time: 0.3554
Batch 211/248, train_loss: 0.1151, step time: 0.3660
Batch 212/248, train_loss: 0.5115, step time: 0.3587
Batch 213/248, train_loss: 0.2180, step time: 0.3837
Batch 214/248, train_loss: 0.1425, step time: 0.3415
Batch 215/248, train_loss: 0.3349, step time: 0.3755
Batch 216/248, train_loss: 0.2472, step time: 0.3816
Batch 217/248, train_loss: 0.3898, step time: 0.3775
Batch 218/248, train_loss: 0.9986, step time: 0.3692
Batch 219/248, train_loss: 0.0972, step time: 0.3587
Batch 220/248, train_loss: 0.4299, step time: 0.3441
Batch 221/248, train_loss: 0.4058, step time: 0.3582
Batch 222/248, train_loss: 0.2256, step time: 0.3599
Batch 223/248, train_loss: 0.0788, step time: 0.3731
Batch 224/248, train_loss: 0.1398, step time: 0.3864
Batch 225/248, train_loss: 0.8909, step time: 0.3888
Batch 226/248, train_loss: 0.3309, step time: 0.3687
Batch 227/248, train_loss: 0.1825, step time: 0.3480
Batch 228/248, train_loss: 0.2634, step time: 0.3534
Batch 229/248, train_loss: 0.1522, step time: 0.3804
Batch 230/248, train_loss: 0.1484, step time: 0.3515
Batch 231/248, train_loss: 0.9999, step time: 0.3430
Batch 232/248, train_loss: 0.1559, step time: 0.3633
Batch 233/248, train_loss: 0.9901, step time: 0.3595
Batch 234/248, train_loss: 0.8398, step time: 0.3613
Batch 235/248, train_loss: 0.7352, step time: 0.3705
Batch 236/248, train_loss: 0.9685, step time: 0.3829
Batch 237/248, train_loss: 0.2254, step time: 0.3420

```
-- -- -- -- -- -- -- -- -- -- -- --  
Batch 238/248, train_loss: 0.1271, step time: 0.3668  
Batch 239/248, train_loss: 0.0864, step time: 0.3780  
Batch 240/248, train_loss: 0.4908, step time: 0.3442  
Batch 241/248, train_loss: 1.0000, step time: 0.3606  
Batch 242/248, train_loss: 0.2983, step time: 0.3586  
Batch 243/248, train_loss: 0.8706, step time: 0.3840  
Batch 244/248, train_loss: 0.7014, step time: 0.3672  
Batch 245/248, train_loss: 0.1400, step time: 0.3460  
Batch 246/248, train_loss: 0.9400, step time: 0.3689  
Batch 247/248, train_loss: 0.1071, step time: 0.3765  
Batch 248/248, train_loss: 1.0000, step time: 0.3834
```

Labels



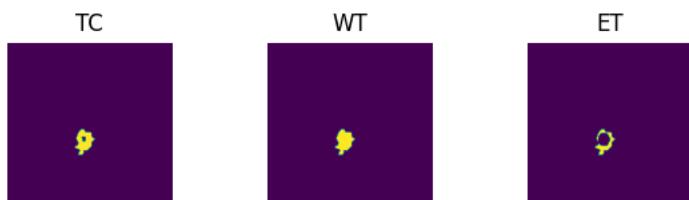
Predictions



VAL

```
Batch 1/31, val_loss: 0.5033  
Batch 2/31, val_loss: 0.6268  
Batch 3/31, val_loss: 0.6156  
Batch 4/31, val_loss: 0.5842  
Batch 5/31, val_loss: 0.6555  
Batch 6/31, val_loss: 0.1019  
Batch 7/31, val_loss: 0.4250  
Batch 8/31, val_loss: 0.4433  
Batch 9/31, val_loss: 0.1907  
Batch 10/31, val_loss: 0.5332  
Batch 11/31, val_loss: 0.4433  
Batch 12/31, val_loss: 0.5883  
Batch 13/31, val_loss: 0.5497  
Batch 14/31, val_loss: 0.5645  
Batch 15/31, val_loss: 0.5662  
Batch 16/31, val_loss: 0.5809  
Batch 17/31, val_loss: 0.5035  
Batch 18/31, val_loss: 0.4618  
Batch 19/31, val_loss: 0.1853  
Batch 20/31, val_loss: 0.5574  
Batch 21/31, val_loss: 0.5797  
Batch 22/31, val_loss: 0.5719  
Batch 23/31, val_loss: 0.4849  
Batch 24/31, val_loss: 0.0540  
Batch 25/31, val_loss: 0.3061  
Batch 26/31, val_loss: 0.6705  
Batch 27/31, val_loss: 0.5763  
Batch 28/31, val_loss: 0.3692  
Batch 29/31, val_loss: 0.6197  
Batch 30/31, val_loss: 0.5412  
Batch 31/31, val_loss: 0.5834
```

Labels



Predictions





epoch 96

```
average train loss: 0.4445
average validation loss: 0.4851
saved as best model: False
current mean dice: 0.4208
current TC dice: 0.4434
current WT dice: 0.4515
current ET dice: 0.4070
Best Mean Metric: 0.4234
time consuming of epoch 96 is: 1401.6798
-----
```

epoch 97/100

TRAIN

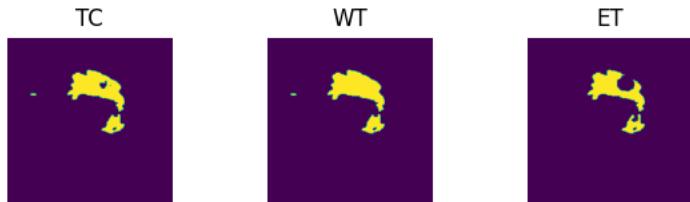
```
Batch 1/248, train_loss: 0.1077, step time: 0.3890
Batch 2/248, train_loss: 0.9910, step time: 0.3524
Batch 3/248, train_loss: 0.6888, step time: 0.3835
Batch 4/248, train_loss: 0.9996, step time: 0.3819
Batch 5/248, train_loss: 0.3594, step time: 0.3585
Batch 6/248, train_loss: 0.4741, step time: 0.3888
Batch 7/248, train_loss: 0.1088, step time: 0.3872
Batch 8/248, train_loss: 0.7535, step time: 0.3537
Batch 9/248, train_loss: 0.0741, step time: 0.3436
Batch 10/248, train_loss: 0.4152, step time: 0.3464
Batch 11/248, train_loss: 0.3062, step time: 0.3454
Batch 12/248, train_loss: 0.7980, step time: 0.3472
Batch 13/248, train_loss: 0.6791, step time: 0.3499
Batch 14/248, train_loss: 0.0808, step time: 0.3568
Batch 15/248, train_loss: 0.4298, step time: 0.3843
Batch 16/248, train_loss: 0.2666, step time: 0.3441
Batch 17/248, train_loss: 0.9865, step time: 0.3417
Batch 18/248, train_loss: 0.7963, step time: 0.3652
Batch 19/248, train_loss: 0.2706, step time: 0.3403
Batch 20/248, train_loss: 0.2644, step time: 0.3468
Batch 21/248, train_loss: 0.0822, step time: 0.3812
Batch 22/248, train_loss: 0.9997, step time: 0.3575
Batch 23/248, train_loss: 0.9999, step time: 0.3453
Batch 24/248, train_loss: 0.2046, step time: 0.3510
Batch 25/248, train_loss: 0.1083, step time: 0.3838
Batch 26/248, train_loss: 0.7580, step time: 0.3528
Batch 27/248, train_loss: 0.1040, step time: 0.3413
Batch 28/248, train_loss: 0.3433, step time: 0.3453
Batch 29/248, train_loss: 0.8031, step time: 0.3611
Batch 30/248, train_loss: 0.8080, step time: 0.3436
Batch 31/248, train_loss: 0.3867, step time: 0.3486
Batch 32/248, train_loss: 0.1225, step time: 0.3464
Batch 33/248, train_loss: 0.0986, step time: 0.3818
Batch 34/248, train_loss: 0.0737, step time: 0.3469
Batch 35/248, train_loss: 0.0876, step time: 0.3488
Batch 36/248, train_loss: 1.0000, step time: 0.3499
Batch 37/248, train_loss: 0.2593, step time: 0.3398
Batch 38/248, train_loss: 0.4197, step time: 0.3406
Batch 39/248, train_loss: 0.2572, step time: 0.3429
Batch 40/248, train_loss: 1.0000, step time: 0.3489
Batch 41/248, train_loss: 0.2325, step time: 0.3404
Batch 42/248, train_loss: 0.1129, step time: 0.3769
Batch 43/248, train_loss: 0.0767, step time: 0.3646
Batch 44/248, train_loss: 0.2115, step time: 0.3619
Batch 45/248, train_loss: 0.5550, step time: 0.3823
Batch 46/248, train_loss: 0.2226, step time: 0.3442
Batch 47/248, train_loss: 0.1392, step time: 0.3453
Batch 48/248, train_loss: 0.3149, step time: 0.3709
Batch 49/248, train_loss: 0.6876, step time: 0.3398
Batch 50/248, train_loss: 0.2832, step time: 0.3479
Batch 51/248, train_loss: 0.2247, step time: 0.3778
Batch 52/248, train_loss: 0.1958, step time: 0.3492
Batch 53/248, train_loss: 0.6138, step time: 0.3396
Batch 54/248, train_loss: 0.3195, step time: 0.3794
Batch 55/248, train_loss: 0.4150, step time: 0.3555
Batch 56/248, train_loss: 0.2667, step time: 0.3624
Batch 57/248, train_loss: 0.4483, step time: 0.3515
Batch 58/248, train_loss: 0.1126, step time: 0.3430
Batch 59/248, train_loss: 0.1364, step time: 0.3819
Batch 60/248, train_loss: 0.1109, step time: 0.3446
Batch 61/248, train_loss: 0.1644, step time: 0.3470
Batch 62/248, train_loss: 0.3729, step time: 0.3763
Batch 63/248, train_loss: 0.8258, step time: 0.3437
Batch 64/248, train_loss: 0.7560, step time: 0.3499
Batch 65/248, train_loss: 0.4582, step time: 0.3428
Batch 66/248, train_loss: 0.2738, step time: 0.3630
Batch 67/248, train loss: 0.1380, step time: 0.3835
```

Batch 68/248, train_loss: 0.1516, step time: 0.3455
Batch 69/248, train_loss: 0.9978, step time: 0.3732
Batch 70/248, train_loss: 0.2061, step time: 0.3586
Batch 71/248, train_loss: 0.1990, step time: 0.3830
Batch 72/248, train_loss: 0.0954, step time: 0.3640
Batch 73/248, train_loss: 0.1395, step time: 0.3716
Batch 74/248, train_loss: 1.0000, step time: 0.3504
Batch 75/248, train_loss: 0.1990, step time: 0.3402
Batch 76/248, train_loss: 0.8674, step time: 0.3551
Batch 77/248, train_loss: 0.9647, step time: 0.3725
Batch 78/248, train_loss: 0.1797, step time: 0.3689
Batch 79/248, train_loss: 0.1736, step time: 0.3562
Batch 80/248, train_loss: 0.3000, step time: 0.3631
Batch 81/248, train_loss: 0.2905, step time: 0.3455
Batch 82/248, train_loss: 0.1600, step time: 0.3416
Batch 83/248, train_loss: 0.8933, step time: 0.3414
Batch 84/248, train_loss: 0.4280, step time: 0.3624
Batch 85/248, train_loss: 0.9210, step time: 0.3825
Batch 86/248, train_loss: 0.3249, step time: 0.3657
Batch 87/248, train_loss: 0.9124, step time: 0.3456
Batch 88/248, train_loss: 0.5395, step time: 0.3381
Batch 89/248, train_loss: 0.0993, step time: 0.3404
Batch 90/248, train_loss: 0.2901, step time: 0.3723
Batch 91/248, train_loss: 0.8873, step time: 0.3701
Batch 92/248, train_loss: 0.4062, step time: 0.3440
Batch 93/248, train_loss: 0.2106, step time: 0.3680
Batch 94/248, train_loss: 0.6886, step time: 0.3411
Batch 95/248, train_loss: 0.2158, step time: 0.3397
Batch 96/248, train_loss: 0.2735, step time: 0.3422
Batch 97/248, train_loss: 0.9994, step time: 0.3768
Batch 98/248, train_loss: 0.2093, step time: 0.3621
Batch 99/248, train_loss: 0.5186, step time: 0.3416
Batch 100/248, train_loss: 0.8163, step time: 0.3832
Batch 101/248, train_loss: 0.0713, step time: 0.3512
Batch 102/248, train_loss: 0.1712, step time: 0.3412
Batch 103/248, train_loss: 0.9265, step time: 0.3761
Batch 104/248, train_loss: 0.3809, step time: 0.3680
Batch 105/248, train_loss: 0.1169, step time: 0.3803
Batch 106/248, train_loss: 0.2242, step time: 0.3494
Batch 107/248, train_loss: 0.8192, step time: 0.3482
Batch 108/248, train_loss: 0.7601, step time: 0.3421
Batch 109/248, train_loss: 0.9962, step time: 0.3416
Batch 110/248, train_loss: 0.5692, step time: 0.3552
Batch 111/248, train_loss: 0.1381, step time: 0.3496
Batch 112/248, train_loss: 0.1822, step time: 0.3524
Batch 113/248, train_loss: 1.0000, step time: 0.3794
Batch 114/248, train_loss: 0.2024, step time: 0.3404
Batch 115/248, train_loss: 0.2068, step time: 0.3746
Batch 116/248, train_loss: 0.1051, step time: 0.3504
Batch 117/248, train_loss: 0.9132, step time: 0.3697
Batch 118/248, train_loss: 0.4693, step time: 0.3514
Batch 119/248, train_loss: 0.4006, step time: 0.3445
Batch 120/248, train_loss: 0.3261, step time: 0.3676
Batch 121/248, train_loss: 0.4496, step time: 0.3468
Batch 122/248, train_loss: 0.6095, step time: 0.3457
Batch 123/248, train_loss: 0.0911, step time: 0.3419
Batch 124/248, train_loss: 0.4579, step time: 0.3534
Batch 125/248, train_loss: 0.9290, step time: 0.3797
Batch 126/248, train_loss: 0.2817, step time: 0.3816
Batch 127/248, train_loss: 0.2040, step time: 0.3514
Batch 128/248, train_loss: 0.2431, step time: 0.3740
Batch 129/248, train_loss: 0.1480, step time: 0.3820
Batch 130/248, train_loss: 0.1667, step time: 0.3686
Batch 131/248, train_loss: 0.8604, step time: 0.3671
Batch 132/248, train_loss: 0.3338, step time: 0.3771
Batch 133/248, train_loss: 0.1671, step time: 0.3431
Batch 134/248, train_loss: 1.0000, step time: 0.3696
Batch 135/248, train_loss: 0.5053, step time: 0.3793
Batch 136/248, train_loss: 0.1970, step time: 0.3656
Batch 137/248, train_loss: 0.1720, step time: 0.3467
Batch 138/248, train_loss: 0.1340, step time: 0.3645
Batch 139/248, train_loss: 0.2327, step time: 0.3372
Batch 140/248, train_loss: 0.2599, step time: 0.3612
Batch 141/248, train_loss: 0.2475, step time: 0.3426
Batch 142/248, train_loss: 0.9977, step time: 0.3611
Batch 143/248, train_loss: 0.3663, step time: 0.3544
Batch 144/248, train_loss: 0.1657, step time: 0.3805
Batch 145/248, train_loss: 0.0934, step time: 0.3548
Batch 146/248, train_loss: 0.9972, step time: 0.3679
Batch 147/248, train_loss: 0.0694, step time: 0.3525
Batch 148/248, train_loss: 0.9162, step time: 0.3645
Batch 149/248, train_loss: 0.2507, step time: 0.3403
Batch 150/248, train_loss: 0.5414, step time: 0.3752
Batch 151/248, train_loss: 0.4058, step time: 0.3794
Batch 152/248, train_loss: 0.0710, step time: 0.3875

```
Batch 122/248, train_loss: 0.0719, step time: 0.3625
Batch 153/248, train_loss: 0.5242, step time: 0.3459
Batch 154/248, train_loss: 0.7476, step time: 0.3814
Batch 155/248, train_loss: 0.1628, step time: 0.3463
Batch 156/248, train_loss: 0.2719, step time: 0.3447
Batch 157/248, train_loss: 0.4004, step time: 0.3840
Batch 158/248, train_loss: 0.9983, step time: 0.3720
Batch 159/248, train_loss: 0.9146, step time: 0.3433
Batch 160/248, train_loss: 0.1267, step time: 0.3391
Batch 161/248, train_loss: 0.0881, step time: 0.3454
Batch 162/248, train_loss: 0.1058, step time: 0.3519
Batch 163/248, train_loss: 0.4226, step time: 0.3469
Batch 164/248, train_loss: 0.3617, step time: 0.3777
Batch 165/248, train_loss: 0.9997, step time: 0.3511
Batch 166/248, train_loss: 0.2176, step time: 0.3434
Batch 167/248, train_loss: 0.3027, step time: 0.3439
Batch 168/248, train_loss: 0.2631, step time: 0.3589
Batch 169/248, train_loss: 0.1939, step time: 0.3538
Batch 170/248, train_loss: 0.9590, step time: 0.3805
Batch 171/248, train_loss: 0.1172, step time: 0.3576
Batch 172/248, train_loss: 1.0000, step time: 0.3783
Batch 173/248, train_loss: 0.1277, step time: 0.3409
Batch 174/248, train_loss: 0.9871, step time: 0.3774
Batch 175/248, train_loss: 0.2017, step time: 0.3393
Batch 176/248, train_loss: 0.4653, step time: 0.3423
Batch 177/248, train_loss: 0.8654, step time: 0.3452
Batch 178/248, train_loss: 0.4178, step time: 0.3598
Batch 179/248, train_loss: 0.1208, step time: 0.3761
Batch 180/248, train_loss: 0.4123, step time: 0.3456
Batch 181/248, train_loss: 0.1586, step time: 0.3533
Batch 182/248, train_loss: 0.7800, step time: 0.3762
Batch 183/248, train_loss: 0.2183, step time: 0.3506
Batch 184/248, train_loss: 0.4106, step time: 0.3500
Batch 185/248, train_loss: 0.1504, step time: 0.3566
Batch 186/248, train_loss: 0.1439, step time: 0.3530
Batch 187/248, train_loss: 0.2514, step time: 0.3530
Batch 188/248, train_loss: 0.3341, step time: 0.3809
Batch 189/248, train_loss: 0.9768, step time: 0.3818
Batch 190/248, train_loss: 0.2146, step time: 0.3733
Batch 191/248, train_loss: 0.9439, step time: 0.3478
Batch 192/248, train_loss: 0.3253, step time: 0.3451
Batch 193/248, train_loss: 0.3495, step time: 0.3729
Batch 194/248, train_loss: 0.1623, step time: 0.3473
Batch 195/248, train_loss: 0.9973, step time: 0.3502
Batch 196/248, train_loss: 1.0000, step time: 0.3396
Batch 197/248, train_loss: 0.3288, step time: 0.3835
Batch 198/248, train_loss: 1.0000, step time: 0.3675
Batch 199/248, train_loss: 0.2323, step time: 0.3679
Batch 200/248, train_loss: 0.2160, step time: 0.3527
Batch 201/248, train_loss: 0.1793, step time: 0.3488
Batch 202/248, train_loss: 0.5123, step time: 0.3473
Batch 203/248, train_loss: 0.9001, step time: 0.3782
Batch 204/248, train_loss: 0.1286, step time: 0.3754
Batch 205/248, train_loss: 0.4999, step time: 0.3427
Batch 206/248, train_loss: 0.8961, step time: 0.3473
Batch 207/248, train_loss: 0.1120, step time: 0.3809
Batch 208/248, train_loss: 0.1996, step time: 0.3434
Batch 209/248, train_loss: 0.2524, step time: 0.3605
Batch 210/248, train_loss: 0.1113, step time: 0.3520
Batch 211/248, train_loss: 0.1131, step time: 0.3391
Batch 212/248, train_loss: 0.4101, step time: 0.3645
Batch 213/248, train_loss: 0.2530, step time: 0.3386
Batch 214/248, train_loss: 0.1422, step time: 0.3800
Batch 215/248, train_loss: 0.3695, step time: 0.3412
Batch 216/248, train_loss: 0.2417, step time: 0.3432
Batch 217/248, train_loss: 0.4351, step time: 0.3772
Batch 218/248, train_loss: 0.9905, step time: 0.3737
Batch 219/248, train_loss: 0.0956, step time: 0.3779
Batch 220/248, train_loss: 0.3530, step time: 0.3797
Batch 221/248, train_loss: 0.3555, step time: 0.3515
Batch 222/248, train_loss: 0.2814, step time: 0.3811
Batch 223/248, train_loss: 0.0804, step time: 0.3763
Batch 224/248, train_loss: 0.1388, step time: 0.3440
Batch 225/248, train_loss: 0.9277, step time: 0.3854
Batch 226/248, train_loss: 0.2571, step time: 0.3728
Batch 227/248, train_loss: 0.2186, step time: 0.3627
Batch 228/248, train_loss: 0.3085, step time: 0.3518
Batch 229/248, train_loss: 0.1517, step time: 0.3860
Batch 230/248, train_loss: 0.1373, step time: 0.3621
Batch 231/248, train_loss: 0.9019, step time: 0.3685
Batch 232/248, train_loss: 0.1385, step time: 0.3713
Batch 233/248, train_loss: 0.9971, step time: 0.3786
Batch 234/248, train_loss: 0.7790, step time: 0.3424
Batch 235/248, train_loss: 0.7883, step time: 0.3594
Batch 236/248, train_loss: 0.9999, step time: 0.3415
- - - - -
```

```
Batch 237/248, train_loss: 0.2267, step time: 0.3502  
Batch 238/248, train_loss: 0.1253, step time: 0.3478  
Batch 239/248, train_loss: 0.1298, step time: 0.3742  
Batch 240/248, train_loss: 0.4760, step time: 0.3475  
Batch 241/248, train_loss: 1.0000, step time: 0.3634  
Batch 242/248, train_loss: 0.2757, step time: 0.3643  
Batch 243/248, train_loss: 0.9049, step time: 0.3690  
Batch 244/248, train_loss: 0.7052, step time: 0.3494  
Batch 245/248, train_loss: 0.1619, step time: 0.3800  
Batch 246/248, train_loss: 0.8966, step time: 0.3429  
Batch 247/248, train_loss: 0.1224, step time: 0.3720  
Batch 248/248, train_loss: 1.0000, step time: 0.3822
```

Labels



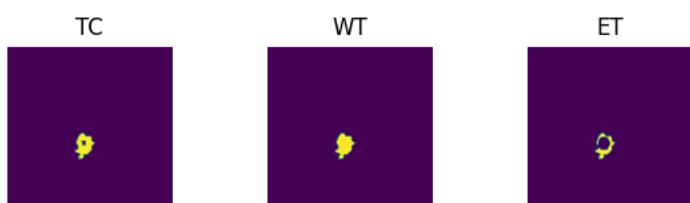
Predictions



VAL

```
Batch 1/31, val_loss: 0.4820  
Batch 2/31, val_loss: 0.6048  
Batch 3/31, val_loss: 0.5466  
Batch 4/31, val_loss: 0.5727  
Batch 5/31, val_loss: 0.6322  
Batch 6/31, val_loss: 0.1132  
Batch 7/31, val_loss: 0.3593  
Batch 8/31, val_loss: 0.4384  
Batch 9/31, val_loss: 0.1819  
Batch 10/31, val_loss: 0.5277  
Batch 11/31, val_loss: 0.4156  
Batch 12/31, val_loss: 0.5573  
Batch 13/31, val_loss: 0.4610  
Batch 14/31, val_loss: 0.5638  
Batch 15/31, val_loss: 0.8753  
Batch 16/31, val_loss: 0.5501  
Batch 17/31, val_loss: 0.4867  
Batch 18/31, val_loss: 0.4429  
Batch 19/31, val_loss: 0.1724  
Batch 20/31, val_loss: 0.5553  
Batch 21/31, val_loss: 0.5596  
Batch 22/31, val_loss: 0.4990  
Batch 23/31, val_loss: 0.4586  
Batch 24/31, val_loss: 0.0656  
Batch 25/31, val_loss: 0.2743  
Batch 26/31, val_loss: 0.6439  
Batch 27/31, val_loss: 0.5542  
Batch 28/31, val_loss: 0.3680  
Batch 29/31, val_loss: 0.5781  
Batch 30/31, val_loss: 0.5343  
Batch 31/31, val_loss: 0.5694
```

Labels



Predictions





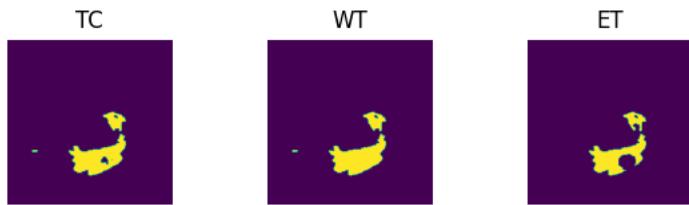
```
epoch 97
average train loss: 0.4322
average validation loss: 0.4724
saved as best model: True
current mean dice: 0.4290
current TC dice: 0.4539
current WT dice: 0.4621
current ET dice: 0.4103
Best Mean Metric: 0.4290
time consuming of epoch 97 is: 1396.0484
-----
epoch 98/100
TRAIN
Batch 1/248, train_loss: 0.1252, step time: 0.3420
Batch 2/248, train_loss: 0.9686, step time: 0.3653
Batch 3/248, train_loss: 0.5505, step time: 0.3707
Batch 4/248, train_loss: 1.0000, step time: 0.3651
Batch 5/248, train_loss: 0.3272, step time: 0.3452
Batch 6/248, train_loss: 0.3822, step time: 0.3799
Batch 7/248, train_loss: 0.1055, step time: 0.3397
Batch 8/248, train_loss: 0.7024, step time: 0.3708
Batch 9/248, train_loss: 0.0667, step time: 0.3694
Batch 10/248, train_loss: 0.4127, step time: 0.3635
Batch 11/248, train_loss: 0.3264, step time: 0.3460
Batch 12/248, train_loss: 0.8022, step time: 0.3411
Batch 13/248, train_loss: 0.6392, step time: 0.3794
Batch 14/248, train_loss: 0.0729, step time: 0.3478
Batch 15/248, train_loss: 0.4704, step time: 0.3396
Batch 16/248, train_loss: 0.2737, step time: 0.3799
Batch 17/248, train_loss: 0.9969, step time: 0.3769
Batch 18/248, train_loss: 0.5370, step time: 0.3585
Batch 19/248, train_loss: 0.2258, step time: 0.3423
Batch 20/248, train_loss: 0.2042, step time: 0.3598
Batch 21/248, train_loss: 0.0950, step time: 0.3706
Batch 22/248, train_loss: 1.0000, step time: 0.3775
Batch 23/248, train_loss: 0.0000, step time: 0.3670
Batch 24/248, train_loss: 0.1383, step time: 0.3839
Batch 25/248, train_loss: 0.1122, step time: 0.3703
Batch 26/248, train_loss: 0.7862, step time: 0.3690
Batch 27/248, train_loss: 0.1038, step time: 0.3449
Batch 28/248, train_loss: 0.3294, step time: 0.3517
Batch 29/248, train_loss: 0.7551, step time: 0.3790
Batch 30/248, train_loss: 0.9916, step time: 0.3442
Batch 31/248, train_loss: 0.4848, step time: 0.3829
Batch 32/248, train_loss: 0.1224, step time: 0.3735
Batch 33/248, train_loss: 0.1016, step time: 0.3742
Batch 34/248, train_loss: 0.0689, step time: 0.3651
Batch 35/248, train_loss: 0.0892, step time: 0.3544
Batch 36/248, train_loss: 0.9308, step time: 0.3565
Batch 37/248, train_loss: 0.2515, step time: 0.3579
Batch 38/248, train_loss: 0.4095, step time: 0.3691
Batch 39/248, train_loss: 0.2623, step time: 0.3472
Batch 40/248, train_loss: 0.9998, step time: 0.3570
Batch 41/248, train_loss: 0.2301, step time: 0.3824
Batch 42/248, train_loss: 0.1035, step time: 0.3759
Batch 43/248, train_loss: 0.0798, step time: 0.3779
Batch 44/248, train_loss: 0.2595, step time: 0.3470
Batch 45/248, train_loss: 0.5290, step time: 0.3533
Batch 46/248, train_loss: 0.2322, step time: 0.3555
Batch 47/248, train_loss: 0.1413, step time: 0.3784
Batch 48/248, train_loss: 0.2648, step time: 0.3674
Batch 49/248, train_loss: 0.6562, step time: 0.3459
Batch 50/248, train_loss: 0.2509, step time: 0.3405
Batch 51/248, train_loss: 0.3394, step time: 0.3606
Batch 52/248, train_loss: 0.2119, step time: 0.3477
Batch 53/248, train_loss: 0.6245, step time: 0.3420
Batch 54/248, train_loss: 0.3348, step time: 0.3827
Batch 55/248, train_loss: 0.3792, step time: 0.3471
Batch 56/248, train_loss: 0.3275, step time: 0.3570
Batch 57/248, train_loss: 0.4174, step time: 0.3825
Batch 58/248, train_loss: 0.1238, step time: 0.3457
Batch 59/248, train_loss: 0.1367, step time: 0.3612
Batch 60/248, train_loss: 0.1099, step time: 0.3484
Batch 61/248, train_loss: 0.1502, step time: 0.3847
Batch 62/248, train_loss: 0.3851, step time: 0.3723
Batch 63/248, train_loss: 0.8378, step time: 0.3468
Batch 64/248, train_loss: 0.6832, step time: 0.3616
Batch 65/248, train_loss: 0.6758, step time: 0.3405
Batch 66/248, train_loss: 0.2414, step time: 0.3395
Batch 67/248, train_loss: 0.1248, step time: 0.3422
```

Batch 0/248, train_loss: 0.1540, step time: 0.3452
Batch 68/248, train_loss: 0.2037, step time: 0.3763
Batch 69/248, train_loss: 0.9994, step time: 0.3400
Batch 70/248, train_loss: 0.2104, step time: 0.3480
Batch 71/248, train_loss: 0.1710, step time: 0.3447
Batch 72/248, train_loss: 0.0908, step time: 0.3824
Batch 73/248, train_loss: 0.2509, step time: 0.3485
Batch 74/248, train_loss: 0.9998, step time: 0.3572
Batch 75/248, train_loss: 0.2167, step time: 0.3779
Batch 76/248, train_loss: 0.8961, step time: 0.3564
Batch 77/248, train_loss: 0.9881, step time: 0.3627
Batch 78/248, train_loss: 0.1933, step time: 0.3460
Batch 79/248, train_loss: 0.1983, step time: 0.3412
Batch 80/248, train_loss: 0.3257, step time: 0.3859
Batch 81/248, train_loss: 0.3564, step time: 0.3552
Batch 82/248, train_loss: 0.1573, step time: 0.3594
Batch 83/248, train_loss: 0.8812, step time: 0.3559
Batch 84/248, train_loss: 0.4420, step time: 0.3873
Batch 85/248, train_loss: 0.8812, step time: 0.3414
Batch 86/248, train_loss: 0.2972, step time: 0.3484
Batch 87/248, train_loss: 0.9079, step time: 0.3452
Batch 88/248, train_loss: 0.5032, step time: 0.3493
Batch 89/248, train_loss: 0.1014, step time: 0.3429
Batch 90/248, train_loss: 0.2832, step time: 0.3448
Batch 91/248, train_loss: 0.8142, step time: 0.3567
Batch 92/248, train_loss: 0.4399, step time: 0.3664
Batch 93/248, train_loss: 0.2158, step time: 0.3801
Batch 94/248, train_loss: 0.7753, step time: 0.3807
Batch 95/248, train_loss: 0.2117, step time: 0.3635
Batch 96/248, train_loss: 0.2555, step time: 0.3505
Batch 97/248, train_loss: 1.0000, step time: 0.3624
Batch 98/248, train_loss: 0.2011, step time: 0.3612
Batch 99/248, train_loss: 0.4689, step time: 0.3529
Batch 100/248, train_loss: 0.8979, step time: 0.3525
Batch 101/248, train_loss: 0.0763, step time: 0.3399
Batch 102/248, train_loss: 0.1878, step time: 0.3785
Batch 103/248, train_loss: 0.8776, step time: 0.3840
Batch 104/248, train_loss: 0.3829, step time: 0.3557
Batch 105/248, train_loss: 0.1204, step time: 0.3399
Batch 106/248, train_loss: 0.3004, step time: 0.3675
Batch 107/248, train_loss: 0.8406, step time: 0.3404
Batch 108/248, train_loss: 0.8131, step time: 0.3685
Batch 109/248, train_loss: 0.9558, step time: 0.3592
Batch 110/248, train_loss: 0.4790, step time: 0.3774
Batch 111/248, train_loss: 0.1618, step time: 0.3547
Batch 112/248, train_loss: 0.2057, step time: 0.3419
Batch 113/248, train_loss: 0.9996, step time: 0.3521
Batch 114/248, train_loss: 0.2042, step time: 0.3640
Batch 115/248, train_loss: 0.3371, step time: 0.3772
Batch 116/248, train_loss: 0.0996, step time: 0.3442
Batch 117/248, train_loss: 0.9066, step time: 0.3498
Batch 118/248, train_loss: 0.6929, step time: 0.3441
Batch 119/248, train_loss: 0.4491, step time: 0.3582
Batch 120/248, train_loss: 0.3449, step time: 0.3679
Batch 121/248, train_loss: 0.4465, step time: 0.3408
Batch 122/248, train_loss: 0.6215, step time: 0.3441
Batch 123/248, train_loss: 0.0902, step time: 0.3397
Batch 124/248, train_loss: 0.4689, step time: 0.3450
Batch 125/248, train_loss: 0.8790, step time: 0.3415
Batch 126/248, train_loss: 0.2867, step time: 0.3776
Batch 127/248, train_loss: 0.1997, step time: 0.3454
Batch 128/248, train_loss: 0.2595, step time: 0.3809
Batch 129/248, train_loss: 0.1595, step time: 0.3693
Batch 130/248, train_loss: 0.1564, step time: 0.3397
Batch 131/248, train_loss: 0.6840, step time: 0.3872
Batch 132/248, train_loss: 0.2827, step time: 0.3452
Batch 133/248, train_loss: 0.1597, step time: 0.3651
Batch 134/248, train_loss: 1.0000, step time: 0.3402
Batch 135/248, train_loss: 0.5198, step time: 0.3502
Batch 136/248, train_loss: 0.2019, step time: 0.3540
Batch 137/248, train_loss: 0.1649, step time: 0.3462
Batch 138/248, train_loss: 0.1182, step time: 0.3409
Batch 139/248, train_loss: 0.2085, step time: 0.3711
Batch 140/248, train_loss: 0.2144, step time: 0.3550
Batch 141/248, train_loss: 0.2692, step time: 0.3857
Batch 142/248, train_loss: 0.9451, step time: 0.3597
Batch 143/248, train_loss: 0.3703, step time: 0.3695
Batch 144/248, train_loss: 0.1703, step time: 0.3621
Batch 145/248, train_loss: 0.1008, step time: 0.3762
Batch 146/248, train_loss: 0.9883, step time: 0.3763
Batch 147/248, train_loss: 0.0717, step time: 0.3462
Batch 148/248, train_loss: 0.9378, step time: 0.3823
Batch 149/248, train_loss: 0.2486, step time: 0.3534
Batch 150/248, train_loss: 0.5471, step time: 0.3459
Batch 151/248, train_loss: 0.4042, step time: 0.3727

Batch 152/248, train_loss: 0.0681, step time: 0.3574
Batch 153/248, train_loss: 0.4851, step time: 0.3580
Batch 154/248, train_loss: 0.8754, step time: 0.3438
Batch 155/248, train_loss: 0.1573, step time: 0.3684
Batch 156/248, train_loss: 0.2615, step time: 0.3616
Batch 157/248, train_loss: 0.4015, step time: 0.3902
Batch 158/248, train_loss: 0.9976, step time: 0.3818
Batch 159/248, train_loss: 0.9810, step time: 0.3857
Batch 160/248, train_loss: 0.1387, step time: 0.3674
Batch 161/248, train_loss: 0.0924, step time: 0.3621
Batch 162/248, train_loss: 0.1052, step time: 0.3451
Batch 163/248, train_loss: 0.4319, step time: 0.3671
Batch 164/248, train_loss: 0.3637, step time: 0.3865
Batch 165/248, train_loss: 0.9871, step time: 0.3522
Batch 166/248, train_loss: 0.1803, step time: 0.3527
Batch 167/248, train_loss: 0.3337, step time: 0.3557
Batch 168/248, train_loss: 0.2585, step time: 0.3853
Batch 169/248, train_loss: 0.1874, step time: 0.3752
Batch 170/248, train_loss: 0.9018, step time: 0.3832
Batch 171/248, train_loss: 0.1133, step time: 0.3465
Batch 172/248, train_loss: 1.0000, step time: 0.3507
Batch 173/248, train_loss: 0.1113, step time: 0.3828
Batch 174/248, train_loss: 0.9928, step time: 0.3780
Batch 175/248, train_loss: 0.1998, step time: 0.3455
Batch 176/248, train_loss: 0.4609, step time: 0.3393
Batch 177/248, train_loss: 0.9935, step time: 0.3733
Batch 178/248, train_loss: 0.3455, step time: 0.3741
Batch 179/248, train_loss: 0.1196, step time: 0.3660
Batch 180/248, train_loss: 0.4294, step time: 0.3732
Batch 181/248, train_loss: 0.1559, step time: 0.3566
Batch 182/248, train_loss: 0.9315, step time: 0.3395
Batch 183/248, train_loss: 0.2156, step time: 0.3625
Batch 184/248, train_loss: 0.3636, step time: 0.3412
Batch 185/248, train_loss: 0.1503, step time: 0.3453
Batch 186/248, train_loss: 0.1262, step time: 0.3675
Batch 187/248, train_loss: 0.2356, step time: 0.3618
Batch 188/248, train_loss: 0.2898, step time: 0.3733
Batch 189/248, train_loss: 0.9995, step time: 0.3573
Batch 190/248, train_loss: 0.2154, step time: 0.3664
Batch 191/248, train_loss: 0.9953, step time: 0.3736
Batch 192/248, train_loss: 0.3844, step time: 0.3684
Batch 193/248, train_loss: 0.4937, step time: 0.3864
Batch 194/248, train_loss: 0.1644, step time: 0.3711
Batch 195/248, train_loss: 0.9999, step time: 0.3837
Batch 196/248, train_loss: 1.0000, step time: 0.3491
Batch 197/248, train_loss: 0.3048, step time: 0.3385
Batch 198/248, train_loss: 1.0000, step time: 0.3662
Batch 199/248, train_loss: 0.2016, step time: 0.3660
Batch 200/248, train_loss: 0.2137, step time: 0.3612
Batch 201/248, train_loss: 0.1855, step time: 0.3392
Batch 202/248, train_loss: 0.5481, step time: 0.3396
Batch 203/248, train_loss: 0.9173, step time: 0.3521
Batch 204/248, train_loss: 0.1186, step time: 0.3568
Batch 205/248, train_loss: 0.4887, step time: 0.3570
Batch 206/248, train_loss: 0.8980, step time: 0.3755
Batch 207/248, train_loss: 0.1052, step time: 0.3442
Batch 208/248, train_loss: 0.2357, step time: 0.3796
Batch 209/248, train_loss: 0.2200, step time: 0.3679
Batch 210/248, train_loss: 0.1163, step time: 0.3519
Batch 211/248, train_loss: 0.1181, step time: 0.3650
Batch 212/248, train_loss: 0.3535, step time: 0.3784
Batch 213/248, train_loss: 0.2498, step time: 0.3745
Batch 214/248, train_loss: 0.1357, step time: 0.3449
Batch 215/248, train_loss: 0.3247, step time: 0.3428
Batch 216/248, train_loss: 0.2456, step time: 0.3670
Batch 217/248, train_loss: 0.4163, step time: 0.3542
Batch 218/248, train_loss: 0.9986, step time: 0.3438
Batch 219/248, train_loss: 0.0921, step time: 0.3395
Batch 220/248, train_loss: 0.3477, step time: 0.3444
Batch 221/248, train_loss: 0.3853, step time: 0.3750
Batch 222/248, train_loss: 0.2451, step time: 0.3754
Batch 223/248, train_loss: 0.0831, step time: 0.3476
Batch 224/248, train_loss: 0.1396, step time: 0.3513
Batch 225/248, train_loss: 0.9053, step time: 0.3376
Batch 226/248, train_loss: 0.3779, step time: 0.3803
Batch 227/248, train_loss: 0.1757, step time: 0.3471
Batch 228/248, train_loss: 0.3142, step time: 0.3443
Batch 229/248, train_loss: 0.1524, step time: 0.3486
Batch 230/248, train_loss: 0.1514, step time: 0.3704
Batch 231/248, train_loss: 0.9909, step time: 0.3751
Batch 232/248, train_loss: 0.1444, step time: 0.3727
Batch 233/248, train_loss: 0.9985, step time: 0.3810
Batch 234/248, train_loss: 0.9093, step time: 0.3520
Batch 235/248, train_loss: 0.7694, step time: 0.3606
Batch 236/248, train_loss: 1.0000, step time: 0.3504

```
Batch 237/248, train_loss: 0.2208, step time: 0.3487  
Batch 238/248, train_loss: 0.1206, step time: 0.3386  
Batch 239/248, train_loss: 0.0864, step time: 0.3684  
Batch 240/248, train_loss: 0.4129, step time: 0.3797  
Batch 241/248, train_loss: 0.9999, step time: 0.3520  
Batch 242/248, train_loss: 0.2726, step time: 0.3691  
Batch 243/248, train_loss: 0.8448, step time: 0.3771  
Batch 244/248, train_loss: 0.7240, step time: 0.3760  
Batch 245/248, train_loss: 0.1638, step time: 0.3499  
Batch 246/248, train_loss: 0.8618, step time: 0.3813  
Batch 247/248, train_loss: 0.1072, step time: 0.3539  
Batch 248/248, train_loss: 1.0000, step time: 0.3663
```

Labels



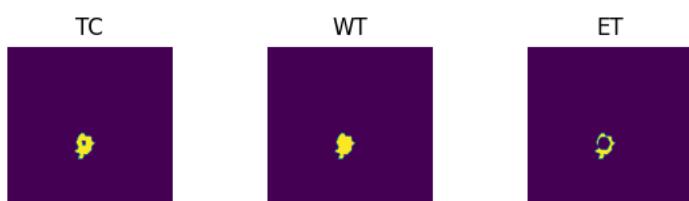
Predictions



VAL

```
Batch 1/31, val_loss: 0.4448  
Batch 2/31, val_loss: 0.5665  
Batch 3/31, val_loss: 0.5705  
Batch 4/31, val_loss: 0.5574  
Batch 5/31, val_loss: 0.6054  
Batch 6/31, val_loss: 0.0979  
Batch 7/31, val_loss: 0.2665  
Batch 8/31, val_loss: 0.4086  
Batch 9/31, val_loss: 0.1501  
Batch 10/31, val_loss: 0.5077  
Batch 11/31, val_loss: 0.3596  
Batch 12/31, val_loss: 0.5348  
Batch 13/31, val_loss: 0.4284  
Batch 14/31, val_loss: 0.5260  
Batch 15/31, val_loss: 0.5419  
Batch 16/31, val_loss: 0.5009  
Batch 17/31, val_loss: 0.4653  
Batch 18/31, val_loss: 0.4127  
Batch 19/31, val_loss: 0.1667  
Batch 20/31, val_loss: 0.4824  
Batch 21/31, val_loss: 0.5179  
Batch 22/31, val_loss: 0.5210  
Batch 23/31, val_loss: 0.4305  
Batch 24/31, val_loss: 0.0532  
Batch 25/31, val_loss: 0.2272  
Batch 26/31, val_loss: 0.5631  
Batch 27/31, val_loss: 0.5206  
Batch 28/31, val_loss: 0.3374  
Batch 29/31, val_loss: 0.5749  
Batch 30/31, val_loss: 0.5110  
Batch 31/31, val_loss: 0.4909
```

Labels



Predictions





```
epoch 98
  average train loss: 0.4339
  average validation loss: 0.4304
  saved as best model: False
  current mean dice: 0.4200
  current TC dice: 0.4432
  current WT dice: 0.4509
  current ET dice: 0.4048
Best Mean Metric: 0.4290
time consuming of epoch 98 is: 1418.4400
-----
```

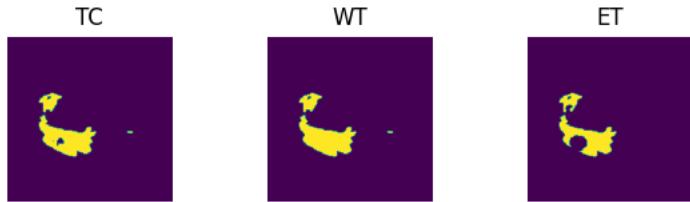
```
epoch 99/100
TRAIN
  Batch 1/248, train_loss: 0.1369, step time: 0.3463
  Batch 2/248, train_loss: 0.9587, step time: 0.3420
  Batch 3/248, train_loss: 0.6203, step time: 0.3669
  Batch 4/248, train_loss: 0.9999, step time: 0.3456
  Batch 5/248, train_loss: 0.3541, step time: 0.3523
  Batch 6/248, train_loss: 0.5627, step time: 0.3690
  Batch 7/248, train_loss: 0.1041, step time: 0.3447
  Batch 8/248, train_loss: 0.7466, step time: 0.3697
  Batch 9/248, train_loss: 0.0689, step time: 0.3600
  Batch 10/248, train_loss: 0.4293, step time: 0.3677
  Batch 11/248, train_loss: 0.3383, step time: 0.3537
  Batch 12/248, train_loss: 0.8732, step time: 0.3728
  Batch 13/248, train_loss: 0.7076, step time: 0.3816
  Batch 14/248, train_loss: 0.0728, step time: 0.3475
  Batch 15/248, train_loss: 0.5192, step time: 0.3497
  Batch 16/248, train_loss: 0.2459, step time: 0.3462
  Batch 17/248, train_loss: 0.8971, step time: 0.3696
  Batch 18/248, train_loss: 0.8370, step time: 0.3846
  Batch 19/248, train_loss: 0.1409, step time: 0.3510
  Batch 20/248, train_loss: 0.1946, step time: 0.3794
  Batch 21/248, train_loss: 0.0872, step time: 0.3526
  Batch 22/248, train_loss: 0.9997, step time: 0.3632
  Batch 23/248, train_loss: 1.0000, step time: 0.3504
  Batch 24/248, train_loss: 0.1432, step time: 0.3546
  Batch 25/248, train_loss: 0.1087, step time: 0.3513
  Batch 26/248, train_loss: 0.7009, step time: 0.3468
  Batch 27/248, train_loss: 0.1165, step time: 0.3823
  Batch 28/248, train_loss: 0.3139, step time: 0.3734
  Batch 29/248, train_loss: 0.7922, step time: 0.3739
  Batch 30/248, train_loss: 0.2783, step time: 0.3648
  Batch 31/248, train_loss: 0.3621, step time: 0.3666
  Batch 32/248, train_loss: 0.1549, step time: 0.3768
  Batch 33/248, train_loss: 0.1103, step time: 0.3491
  Batch 34/248, train_loss: 0.0654, step time: 0.3718
  Batch 35/248, train_loss: 0.0757, step time: 0.3584
  Batch 36/248, train_loss: 0.9393, step time: 0.3694
  Batch 37/248, train_loss: 0.2420, step time: 0.3571
  Batch 38/248, train_loss: 0.3933, step time: 0.3588
  Batch 39/248, train_loss: 0.2696, step time: 0.3385
  Batch 40/248, train_loss: 1.0000, step time: 0.3587
  Batch 41/248, train_loss: 0.2519, step time: 0.3798
  Batch 42/248, train_loss: 0.0948, step time: 0.3696
  Batch 43/248, train_loss: 0.0874, step time: 0.3709
  Batch 44/248, train_loss: 0.2062, step time: 0.3798
  Batch 45/248, train_loss: 0.5802, step time: 0.3414
  Batch 46/248, train_loss: 0.2164, step time: 0.3677
  Batch 47/248, train_loss: 0.1309, step time: 0.3444
  Batch 48/248, train_loss: 0.2461, step time: 0.3447
  Batch 49/248, train_loss: 0.6512, step time: 0.3468
  Batch 50/248, train_loss: 0.2348, step time: 0.3447
  Batch 51/248, train_loss: 0.2464, step time: 0.3672
  Batch 52/248, train_loss: 0.2091, step time: 0.3831
  Batch 53/248, train_loss: 0.5830, step time: 0.3657
  Batch 54/248, train_loss: 0.3474, step time: 0.3424
  Batch 55/248, train_loss: 0.3465, step time: 0.3845
  Batch 56/248, train_loss: 0.3055, step time: 0.3420
  Batch 57/248, train_loss: 0.4343, step time: 0.3644
  Batch 58/248, train_loss: 0.1184, step time: 0.3451
  Batch 59/248, train_loss: 0.1502, step time: 0.3392
  Batch 60/248, train_loss: 0.1174, step time: 0.3648
  Batch 61/248, train_loss: 0.1523, step time: 0.3814
  Batch 62/248, train_loss: 0.3675, step time: 0.3435
  Batch 63/248, train_loss: 0.8545, step time: 0.3454
  Batch 64/248, train_loss: 0.7772, step time: 0.3747
  Batch 65/248, train_loss: 0.4213, step time: 0.3851
  Batch 66/248, train_loss: 0.2580, step time: 0.3412
```

Batch 67/248, train_loss: 0.1309, step time: 0.3425
Batch 68/248, train_loss: 0.1376, step time: 0.3623
Batch 69/248, train_loss: 0.9999, step time: 0.3383
Batch 70/248, train_loss: 0.2024, step time: 0.3682
Batch 71/248, train_loss: 0.1957, step time: 0.3659
Batch 72/248, train_loss: 0.0888, step time: 0.3708
Batch 73/248, train_loss: 0.1724, step time: 0.3646
Batch 74/248, train_loss: 0.9987, step time: 0.3825
Batch 75/248, train_loss: 0.2071, step time: 0.3795
Batch 76/248, train_loss: 0.7941, step time: 0.3510
Batch 77/248, train_loss: 0.9618, step time: 0.3762
Batch 78/248, train_loss: 0.1977, step time: 0.3839
Batch 79/248, train_loss: 0.2133, step time: 0.3742
Batch 80/248, train_loss: 0.3197, step time: 0.3848
Batch 81/248, train_loss: 0.3514, step time: 0.3445
Batch 82/248, train_loss: 0.1598, step time: 0.3716
Batch 83/248, train_loss: 0.8820, step time: 0.3385
Batch 84/248, train_loss: 0.3842, step time: 0.3427
Batch 85/248, train_loss: 0.8728, step time: 0.3640
Batch 86/248, train_loss: 0.2806, step time: 0.3774
Batch 87/248, train_loss: 0.9409, step time: 0.3410
Batch 88/248, train_loss: 0.5667, step time: 0.3620
Batch 89/248, train_loss: 0.1075, step time: 0.3514
Batch 90/248, train_loss: 0.5155, step time: 0.3695
Batch 91/248, train_loss: 0.8000, step time: 0.3437
Batch 92/248, train_loss: 0.5927, step time: 0.3395
Batch 93/248, train_loss: 0.2241, step time: 0.3568
Batch 94/248, train_loss: 0.7531, step time: 0.3680
Batch 95/248, train_loss: 0.2089, step time: 0.3388
Batch 96/248, train_loss: 0.2695, step time: 0.3386
Batch 97/248, train_loss: 0.9937, step time: 0.3437
Batch 98/248, train_loss: 0.2214, step time: 0.3445
Batch 99/248, train_loss: 0.4856, step time: 0.3392
Batch 100/248, train_loss: 0.9260, step time: 0.3606
Batch 101/248, train_loss: 0.0826, step time: 0.3648
Batch 102/248, train_loss: 0.2184, step time: 0.3502
Batch 103/248, train_loss: 0.8663, step time: 0.3456
Batch 104/248, train_loss: 0.5589, step time: 0.3696
Batch 105/248, train_loss: 0.1232, step time: 0.3708
Batch 106/248, train_loss: 0.2479, step time: 0.3589
Batch 107/248, train_loss: 0.5106, step time: 0.3865
Batch 108/248, train_loss: 0.7018, step time: 0.3772
Batch 109/248, train_loss: 0.9981, step time: 0.3449
Batch 110/248, train_loss: 0.5051, step time: 0.3722
Batch 111/248, train_loss: 0.1664, step time: 0.3439
Batch 112/248, train_loss: 0.2291, step time: 0.3734
Batch 113/248, train_loss: 1.0000, step time: 0.3456
Batch 114/248, train_loss: 0.2174, step time: 0.3828
Batch 115/248, train_loss: 0.2007, step time: 0.3433
Batch 116/248, train_loss: 0.1030, step time: 0.3460
Batch 117/248, train_loss: 0.9099, step time: 0.3450
Batch 118/248, train_loss: 0.5343, step time: 0.3766
Batch 119/248, train_loss: 0.3848, step time: 0.3820
Batch 120/248, train_loss: 0.3010, step time: 0.3741
Batch 121/248, train_loss: 0.5234, step time: 0.3589
Batch 122/248, train_loss: 0.5636, step time: 0.3419
Batch 123/248, train_loss: 0.0939, step time: 0.3824
Batch 124/248, train_loss: 0.4381, step time: 0.3580
Batch 125/248, train_loss: 0.9015, step time: 0.3731
Batch 126/248, train_loss: 0.2752, step time: 0.3760
Batch 127/248, train_loss: 0.2062, step time: 0.3507
Batch 128/248, train_loss: 0.4464, step time: 0.3403
Batch 129/248, train_loss: 0.1556, step time: 0.3776
Batch 130/248, train_loss: 0.1518, step time: 0.3614
Batch 131/248, train_loss: 0.6382, step time: 0.3650
Batch 132/248, train_loss: 0.2818, step time: 0.3776
Batch 133/248, train_loss: 0.1531, step time: 0.3625
Batch 134/248, train_loss: 1.0000, step time: 0.3623
Batch 135/248, train_loss: 0.4824, step time: 0.3667
Batch 136/248, train_loss: 0.2151, step time: 0.3653
Batch 137/248, train_loss: 0.1734, step time: 0.3835
Batch 138/248, train_loss: 0.1197, step time: 0.3690
Batch 139/248, train_loss: 0.2014, step time: 0.3769
Batch 140/248, train_loss: 0.3572, step time: 0.3657
Batch 141/248, train_loss: 0.2502, step time: 0.3835
Batch 142/248, train_loss: 0.9980, step time: 0.3644
Batch 143/248, train_loss: 0.4352, step time: 0.3576
Batch 144/248, train_loss: 0.1702, step time: 0.3726
Batch 145/248, train_loss: 0.0854, step time: 0.3714
Batch 146/248, train_loss: 0.9427, step time: 0.3513
Batch 147/248, train_loss: 0.0674, step time: 0.3764
Batch 148/248, train_loss: 0.9370, step time: 0.3512
Batch 149/248, train_loss: 0.2301, step time: 0.3417
Batch 150/248, train_loss: 0.5517, step time: 0.3700
Batch 151/248, train_loss: 0.3929, step time: 0.3410

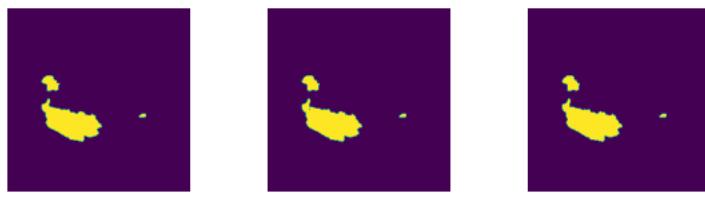
Batch 152/248, train_loss: 0.0703, step time: 0.3754
Batch 153/248, train_loss: 0.5222, step time: 0.3523
Batch 154/248, train_loss: 0.7572, step time: 0.3466
Batch 155/248, train_loss: 0.1465, step time: 0.3532
Batch 156/248, train_loss: 0.3073, step time: 0.3806
Batch 157/248, train_loss: 0.3990, step time: 0.3555
Batch 158/248, train_loss: 0.9970, step time: 0.3692
Batch 159/248, train_loss: 0.9734, step time: 0.3515
Batch 160/248, train_loss: 0.1442, step time: 0.3387
Batch 161/248, train_loss: 0.1044, step time: 0.3837
Batch 162/248, train_loss: 0.1179, step time: 0.3704
Batch 163/248, train_loss: 0.2894, step time: 0.3403
Batch 164/248, train_loss: 0.3166, step time: 0.3808
Batch 165/248, train_loss: 0.9932, step time: 0.3675
Batch 166/248, train_loss: 0.2619, step time: 0.3703
Batch 167/248, train_loss: 0.3611, step time: 0.3820
Batch 168/248, train_loss: 0.2514, step time: 0.3430
Batch 169/248, train_loss: 0.2020, step time: 0.3861
Batch 170/248, train_loss: 0.9429, step time: 0.3460
Batch 171/248, train_loss: 0.1301, step time: 0.3695
Batch 172/248, train_loss: 0.9935, step time: 0.3622
Batch 173/248, train_loss: 0.1437, step time: 0.3433
Batch 174/248, train_loss: 0.9987, step time: 0.3833
Batch 175/248, train_loss: 0.2111, step time: 0.3464
Batch 176/248, train_loss: 0.5103, step time: 0.3881
Batch 177/248, train_loss: 0.8635, step time: 0.3514
Batch 178/248, train_loss: 0.2559, step time: 0.3428
Batch 179/248, train_loss: 0.1160, step time: 0.3718
Batch 180/248, train_loss: 0.4008, step time: 0.3651
Batch 181/248, train_loss: 0.1575, step time: 0.3813
Batch 182/248, train_loss: 0.9348, step time: 0.3439
Batch 183/248, train_loss: 0.2128, step time: 0.3432
Batch 184/248, train_loss: 0.3566, step time: 0.3768
Batch 185/248, train_loss: 0.1454, step time: 0.3414
Batch 186/248, train_loss: 0.1472, step time: 0.3499
Batch 187/248, train_loss: 0.2485, step time: 0.3794
Batch 188/248, train_loss: 0.3245, step time: 0.3446
Batch 189/248, train_loss: 0.9495, step time: 0.3522
Batch 190/248, train_loss: 0.1900, step time: 0.3422
Batch 191/248, train_loss: 0.9068, step time: 0.3724
Batch 192/248, train_loss: 0.4218, step time: 0.3828
Batch 193/248, train_loss: 0.3681, step time: 0.3415
Batch 194/248, train_loss: 0.1987, step time: 0.3856
Batch 195/248, train_loss: 1.0000, step time: 0.3819
Batch 196/248, train_loss: 1.0000, step time: 0.3607
Batch 197/248, train_loss: 0.3499, step time: 0.3815
Batch 198/248, train_loss: 1.0000, step time: 0.3580
Batch 199/248, train_loss: 0.2173, step time: 0.3752
Batch 200/248, train_loss: 0.2007, step time: 0.3646
Batch 201/248, train_loss: 0.1914, step time: 0.3448
Batch 202/248, train_loss: 0.5235, step time: 0.3437
Batch 203/248, train_loss: 0.9014, step time: 0.3832
Batch 204/248, train_loss: 0.1511, step time: 0.3832
Batch 205/248, train_loss: 0.4208, step time: 0.3878
Batch 206/248, train_loss: 0.9496, step time: 0.3486
Batch 207/248, train_loss: 0.1129, step time: 0.3478
Batch 208/248, train_loss: 0.2295, step time: 0.3443
Batch 209/248, train_loss: 0.1804, step time: 0.3456
Batch 210/248, train_loss: 0.1081, step time: 0.3520
Batch 211/248, train_loss: 0.1218, step time: 0.3585
Batch 212/248, train_loss: 0.3093, step time: 0.3459
Batch 213/248, train_loss: 0.2596, step time: 0.3570
Batch 214/248, train_loss: 0.1408, step time: 0.3811
Batch 215/248, train_loss: 0.3610, step time: 0.3841
Batch 216/248, train_loss: 0.2946, step time: 0.3419
Batch 217/248, train_loss: 0.3727, step time: 0.3771
Batch 218/248, train_loss: 1.0000, step time: 0.3816
Batch 219/248, train_loss: 0.0786, step time: 0.3599
Batch 220/248, train_loss: 0.3580, step time: 0.3513
Batch 221/248, train_loss: 0.3552, step time: 0.3570
Batch 222/248, train_loss: 0.2490, step time: 0.3505
Batch 223/248, train_loss: 0.0755, step time: 0.3674
Batch 224/248, train_loss: 0.1439, step time: 0.3434
Batch 225/248, train_loss: 0.9151, step time: 0.3886
Batch 226/248, train_loss: 0.4498, step time: 0.3687
Batch 227/248, train_loss: 0.1761, step time: 0.3791
Batch 228/248, train_loss: 0.2617, step time: 0.3834
Batch 229/248, train_loss: 0.1511, step time: 0.3728
Batch 230/248, train_loss: 0.1227, step time: 0.3437
Batch 231/248, train_loss: 0.9790, step time: 0.3573
Batch 232/248, train_loss: 0.1391, step time: 0.3573
Batch 233/248, train_loss: 1.0000, step time: 0.3842
Batch 234/248, train_loss: 0.8052, step time: 0.3588
Batch 235/248, train_loss: 0.8042, step time: 0.3828
Batch 236/248, train_loss: 1.0000, step time: 0.3722

```
Batch 236/248, train_loss: 1.0000, step time: 0.3729
Batch 237/248, train_loss: 0.2244, step time: 0.3858
Batch 238/248, train_loss: 0.1221, step time: 0.3778
Batch 239/248, train_loss: 0.1128, step time: 0.3647
Batch 240/248, train_loss: 0.4610, step time: 0.3441
Batch 241/248, train_loss: 1.0000, step time: 0.3530
Batch 242/248, train_loss: 0.3009, step time: 0.3635
Batch 243/248, train_loss: 0.9572, step time: 0.3704
Batch 244/248, train_loss: 0.6587, step time: 0.3786
Batch 245/248, train_loss: 0.1432, step time: 0.3437
Batch 246/248, train_loss: 0.8400, step time: 0.3523
Batch 247/248, train_loss: 0.1284, step time: 0.3757
Batch 248/248, train_loss: 1.0000, step time: 0.3792
```

Labels



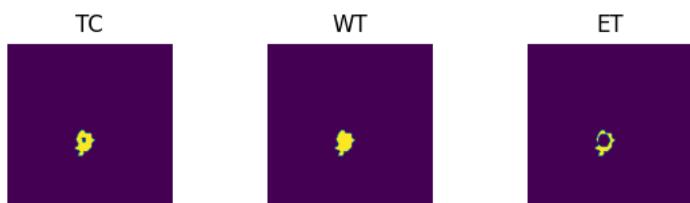
Predictions



VAL

```
Batch 1/31, val_loss: 0.4546
Batch 2/31, val_loss: 0.5714
Batch 3/31, val_loss: 0.5173
Batch 4/31, val_loss: 0.5497
Batch 5/31, val_loss: 0.5998
Batch 6/31, val_loss: 0.1257
Batch 7/31, val_loss: 0.3050
Batch 8/31, val_loss: 0.4004
Batch 9/31, val_loss: 0.1814
Batch 10/31, val_loss: 0.5031
Batch 11/31, val_loss: 0.3562
Batch 12/31, val_loss: 0.5330
Batch 13/31, val_loss: 0.4731
Batch 14/31, val_loss: 0.5462
Batch 15/31, val_loss: 0.5149
Batch 16/31, val_loss: 0.4859
Batch 17/31, val_loss: 0.4641
Batch 18/31, val_loss: 0.4036
Batch 19/31, val_loss: 0.1672
Batch 20/31, val_loss: 0.5378
Batch 21/31, val_loss: 0.5187
Batch 22/31, val_loss: 0.5009
Batch 23/31, val_loss: 0.4245
Batch 24/31, val_loss: 0.0913
Batch 25/31, val_loss: 0.2281
Batch 26/31, val_loss: 0.5743
Batch 27/31, val_loss: 0.5288
Batch 28/31, val_loss: 0.3433
Batch 29/31, val_loss: 0.5608
Batch 30/31, val_loss: 0.4987
Batch 31/31, val_loss: 0.5039
```

Labels



Predictions





epoch 99

```
average train loss: 0.4297
average validation loss: 0.4343
saved as best model: False
current mean dice: 0.4239
current TC dice: 0.4491
current WT dice: 0.4567
current ET dice: 0.4041
Best Mean Metric: 0.4290
time consuming of epoch 99 is: 1413.0590
```

epoch 100/100

TRAIN

```
Batch 1/248, train_loss: 0.1188, step time: 0.3666
Batch 2/248, train_loss: 0.9742, step time: 0.3622
Batch 3/248, train_loss: 0.6360, step time: 0.3671
Batch 4/248, train_loss: 1.0000, step time: 0.3453
Batch 5/248, train_loss: 0.4113, step time: 0.3658
Batch 6/248, train_loss: 0.3786, step time: 0.3857
Batch 7/248, train_loss: 0.1030, step time: 0.3850
Batch 8/248, train_loss: 0.7082, step time: 0.3837
Batch 9/248, train_loss: 0.0664, step time: 0.3686
Batch 10/248, train_loss: 0.4135, step time: 0.3718
Batch 11/248, train_loss: 0.3219, step time: 0.3791
Batch 12/248, train_loss: 0.8163, step time: 0.3533
Batch 13/248, train_loss: 0.7697, step time: 0.3465
Batch 14/248, train_loss: 0.0760, step time: 0.3870
Batch 15/248, train_loss: 0.5498, step time: 0.3532
Batch 16/248, train_loss: 0.2588, step time: 0.3775
Batch 17/248, train_loss: 0.8614, step time: 0.3427
Batch 18/248, train_loss: 0.8484, step time: 0.3512
Batch 19/248, train_loss: 0.1622, step time: 0.3452
Batch 20/248, train_loss: 0.2251, step time: 0.3704
Batch 21/248, train_loss: 0.0796, step time: 0.3824
Batch 22/248, train_loss: 1.0000, step time: 0.3438
Batch 23/248, train_loss: 1.0000, step time: 0.3677
Batch 24/248, train_loss: 0.1334, step time: 0.3853
Batch 25/248, train_loss: 0.1294, step time: 0.3687
Batch 26/248, train_loss: 0.6075, step time: 0.3841
Batch 27/248, train_loss: 0.1057, step time: 0.3434
Batch 28/248, train_loss: 0.2543, step time: 0.3831
Batch 29/248, train_loss: 0.8054, step time: 0.3454
Batch 30/248, train_loss: 0.7593, step time: 0.3483
Batch 31/248, train_loss: 0.3890, step time: 0.3699
Batch 32/248, train_loss: 0.1321, step time: 0.3616
Batch 33/248, train_loss: 0.1126, step time: 0.3463
Batch 34/248, train_loss: 0.0680, step time: 0.3441
Batch 35/248, train_loss: 0.0841, step time: 0.3632
Batch 36/248, train_loss: 1.0000, step time: 0.3524
Batch 37/248, train_loss: 0.2525, step time: 0.3517
Batch 38/248, train_loss: 0.3907, step time: 0.3590
Batch 39/248, train_loss: 0.2682, step time: 0.3665
Batch 40/248, train_loss: 1.0000, step time: 0.3455
Batch 41/248, train_loss: 0.2829, step time: 0.3583
Batch 42/248, train_loss: 0.1009, step time: 0.3850
Batch 43/248, train_loss: 0.1023, step time: 0.3767
Batch 44/248, train_loss: 0.2524, step time: 0.3503
Batch 45/248, train_loss: 0.6273, step time: 0.3715
Batch 46/248, train_loss: 0.2163, step time: 0.3802
Batch 47/248, train_loss: 0.1422, step time: 0.3757
Batch 48/248, train_loss: 0.2604, step time: 0.3695
Batch 49/248, train_loss: 0.7335, step time: 0.3449
Batch 50/248, train_loss: 0.2379, step time: 0.3833
Batch 51/248, train_loss: 0.2417, step time: 0.3663
Batch 52/248, train_loss: 0.2113, step time: 0.3715
Batch 53/248, train_loss: 0.6525, step time: 0.3587
Batch 54/248, train_loss: 0.3307, step time: 0.3776
Batch 55/248, train_loss: 0.3739, step time: 0.3466
Batch 56/248, train_loss: 0.2921, step time: 0.3793
Batch 57/248, train_loss: 0.4189, step time: 0.3802
Batch 58/248, train_loss: 0.1087, step time: 0.3698
Batch 59/248, train_loss: 0.1480, step time: 0.3614
Batch 60/248, train_loss: 0.1126, step time: 0.3844
Batch 61/248, train_loss: 0.1635, step time: 0.3545
Batch 62/248, train_loss: 0.3799, step time: 0.3592
Batch 63/248, train_loss: 0.7997, step time: 0.3563
Batch 64/248, train_loss: 0.6737, step time: 0.3804
Batch 65/248, train_loss: 0.4479, step time: 0.3779
Batch 66/248, train_loss: 0.3674, step time: 0.3674
```

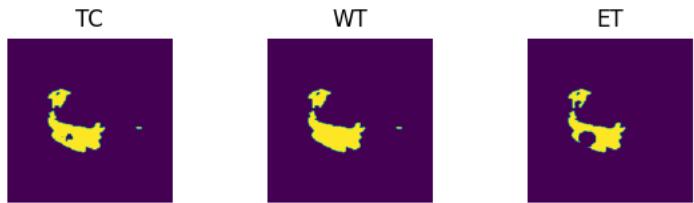
Batch 67/248, train_loss: 0.1305, step time: 0.3474
Batch 68/248, train_loss: 0.1445, step time: 0.3833
Batch 69/248, train_loss: 1.0000, step time: 0.3595
Batch 70/248, train_loss: 0.2139, step time: 0.3612
Batch 71/248, train_loss: 0.2371, step time: 0.3861
Batch 72/248, train_loss: 0.0873, step time: 0.3475
Batch 73/248, train_loss: 0.2093, step time: 0.3421
Batch 74/248, train_loss: 0.9980, step time: 0.3880
Batch 75/248, train_loss: 0.2120, step time: 0.3735
Batch 76/248, train_loss: 0.8452, step time: 0.3875
Batch 77/248, train_loss: 0.9876, step time: 0.3725
Batch 78/248, train_loss: 0.1658, step time: 0.3565
Batch 79/248, train_loss: 0.2113, step time: 0.3899
Batch 80/248, train_loss: 0.3161, step time: 0.3842
Batch 81/248, train_loss: 0.2964, step time: 0.3886
Batch 82/248, train_loss: 0.1526, step time: 0.3665
Batch 83/248, train_loss: 0.8341, step time: 0.3856
Batch 84/248, train_loss: 0.3589, step time: 0.3449
Batch 85/248, train_loss: 0.8727, step time: 0.3793
Batch 86/248, train_loss: 0.2870, step time: 0.3485
Batch 87/248, train_loss: 0.8865, step time: 0.3441
Batch 88/248, train_loss: 0.5148, step time: 0.3879
Batch 89/248, train_loss: 0.0996, step time: 0.3758
Batch 90/248, train_loss: 0.3121, step time: 0.3532
Batch 91/248, train_loss: 0.7285, step time: 0.3872
Batch 92/248, train_loss: 0.4288, step time: 0.3906
Batch 93/248, train_loss: 0.2030, step time: 0.3606
Batch 94/248, train_loss: 0.6189, step time: 0.3456
Batch 95/248, train_loss: 0.2075, step time: 0.3498
Batch 96/248, train_loss: 0.2641, step time: 0.3464
Batch 97/248, train_loss: 0.9997, step time: 0.3875
Batch 98/248, train_loss: 0.1804, step time: 0.3526
Batch 99/248, train_loss: 0.5372, step time: 0.3878
Batch 100/248, train_loss: 0.9735, step time: 0.3683
Batch 101/248, train_loss: 0.0714, step time: 0.3617
Batch 102/248, train_loss: 0.2088, step time: 0.3876
Batch 103/248, train_loss: 0.9131, step time: 0.3486
Batch 104/248, train_loss: 0.3845, step time: 0.3512
Batch 105/248, train_loss: 0.1291, step time: 0.3709
Batch 106/248, train_loss: 0.2107, step time: 0.3479
Batch 107/248, train_loss: 0.7828, step time: 0.3649
Batch 108/248, train_loss: 0.8017, step time: 0.3830
Batch 109/248, train_loss: 1.0000, step time: 0.3832
Batch 110/248, train_loss: 0.4251, step time: 0.3497
Batch 111/248, train_loss: 0.1577, step time: 0.3508
Batch 112/248, train_loss: 0.1730, step time: 0.3535
Batch 113/248, train_loss: 1.0000, step time: 0.3460
Batch 114/248, train_loss: 0.2032, step time: 0.3705
Batch 115/248, train_loss: 0.2572, step time: 0.3465
Batch 116/248, train_loss: 0.1018, step time: 0.3558
Batch 117/248, train_loss: 0.9560, step time: 0.3440
Batch 118/248, train_loss: 0.8257, step time: 0.3447
Batch 119/248, train_loss: 0.4235, step time: 0.3754
Batch 120/248, train_loss: 0.3866, step time: 0.3853
Batch 121/248, train_loss: 0.4567, step time: 0.3825
Batch 122/248, train_loss: 0.6642, step time: 0.3829
Batch 123/248, train_loss: 0.0968, step time: 0.3740
Batch 124/248, train_loss: 0.5306, step time: 0.3739
Batch 125/248, train_loss: 0.9660, step time: 0.3491
Batch 126/248, train_loss: 0.2259, step time: 0.3744
Batch 127/248, train_loss: 0.1991, step time: 0.3492
Batch 128/248, train_loss: 0.2947, step time: 0.3870
Batch 129/248, train_loss: 0.1503, step time: 0.3663
Batch 130/248, train_loss: 0.1824, step time: 0.3852
Batch 131/248, train_loss: 0.7085, step time: 0.3718
Batch 132/248, train_loss: 0.2812, step time: 0.3550
Batch 133/248, train_loss: 0.1746, step time: 0.3577
Batch 134/248, train_loss: 1.0000, step time: 0.3522
Batch 135/248, train_loss: 0.4062, step time: 0.3721
Batch 136/248, train_loss: 0.2378, step time: 0.3446
Batch 137/248, train_loss: 0.1547, step time: 0.3470
Batch 138/248, train_loss: 0.1172, step time: 0.3444
Batch 139/248, train_loss: 0.3272, step time: 0.3783
Batch 140/248, train_loss: 0.2244, step time: 0.3459
Batch 141/248, train_loss: 0.2617, step time: 0.3525
Batch 142/248, train_loss: 0.9931, step time: 0.3670
Batch 143/248, train_loss: 0.3298, step time: 0.3477
Batch 144/248, train_loss: 0.1687, step time: 0.3840
Batch 145/248, train_loss: 0.0740, step time: 0.3789
Batch 146/248, train_loss: 0.8858, step time: 0.3705
Batch 147/248, train_loss: 0.0681, step time: 0.3678
Batch 148/248, train_loss: 0.9404, step time: 0.3826
Batch 149/248, train_loss: 0.2420, step time: 0.3916
Batch 150/248, train_loss: 0.5550, step time: 0.3730

Batch 151/248, train_loss: 0.2852, step time: 0.3467

Batch 121/248, train_loss: 0.5000, step time: 0.3407
Batch 122/248, train_loss: 0.5599, step time: 0.3667
Batch 123/248, train_loss: 0.8031, step time: 0.3497
Batch 124/248, train_loss: 0.1850, step time: 0.3466
Batch 125/248, train_loss: 0.2290, step time: 0.3823
Batch 126/248, train_loss: 0.3985, step time: 0.3471
Batch 127/248, train_loss: 0.9992, step time: 0.3522
Batch 128/248, train_loss: 0.9976, step time: 0.3822
Batch 129/248, train_loss: 0.1444, step time: 0.3440
Batch 130/248, train_loss: 0.1165, step time: 0.3827
Batch 131/248, train_loss: 0.1009, step time: 0.3775
Batch 132/248, train_loss: 0.4015, step time: 0.3906
Batch 133/248, train_loss: 0.2418, step time: 0.3693
Batch 134/248, train_loss: 0.9998, step time: 0.3620
Batch 135/248, train_loss: 0.2040, step time: 0.3483
Batch 136/248, train_loss: 0.3425, step time: 0.3669
Batch 137/248, train_loss: 0.2398, step time: 0.3838
Batch 138/248, train_loss: 0.2014, step time: 0.3801
Batch 139/248, train_loss: 0.9127, step time: 0.3481
Batch 140/248, train_loss: 0.1150, step time: 0.3585
Batch 141/248, train_loss: 0.9990, step time: 0.3468
Batch 142/248, train_loss: 0.1259, step time: 0.3460
Batch 143/248, train_loss: 0.9194, step time: 0.3876
Batch 144/248, train_loss: 0.1981, step time: 0.3667
Batch 145/248, train_loss: 0.5499, step time: 0.3485
Batch 146/248, train_loss: 0.7994, step time: 0.3854
Batch 147/248, train_loss: 0.3519, step time: 0.3812
Batch 148/248, train_loss: 0.1145, step time: 0.3449
Batch 149/248, train_loss: 0.4134, step time: 0.3421
Batch 150/248, train_loss: 0.1644, step time: 0.3559
Batch 151/248, train_loss: 0.9242, step time: 0.3525
Batch 152/248, train_loss: 0.2661, step time: 0.3901
Batch 153/248, train_loss: 0.5512, step time: 0.3639
Batch 154/248, train_loss: 0.1520, step time: 0.3865
Batch 155/248, train_loss: 0.1215, step time: 0.3639
Batch 156/248, train_loss: 0.2580, step time: 0.3467
Batch 157/248, train_loss: 0.2852, step time: 0.3873
Batch 158/248, train_loss: 0.9807, step time: 0.3443
Batch 159/248, train_loss: 0.2585, step time: 0.3607
Batch 160/248, train_loss: 0.9597, step time: 0.3578
Batch 161/248, train_loss: 0.3025, step time: 0.3668
Batch 162/248, train_loss: 0.4952, step time: 0.3697
Batch 163/248, train_loss: 0.1300, step time: 0.3730
Batch 164/248, train_loss: 0.9948, step time: 0.3465
Batch 165/248, train_loss: 1.0000, step time: 0.3808
Batch 166/248, train_loss: 0.3315, step time: 0.3660
Batch 167/248, train_loss: 1.0000, step time: 0.3433
Batch 168/248, train_loss: 0.2969, step time: 0.3859
Batch 169/248, train_loss: 0.1927, step time: 0.3661
Batch 170/248, train_loss: 0.1653, step time: 0.3727
Batch 171/248, train_loss: 0.5404, step time: 0.3501
Batch 172/248, train_loss: 0.8741, step time: 0.3541
Batch 173/248, train_loss: 0.1143, step time: 0.3610
Batch 174/248, train_loss: 0.4765, step time: 0.3633
Batch 175/248, train_loss: 0.8834, step time: 0.3797
Batch 176/248, train_loss: 0.1162, step time: 0.3436
Batch 177/248, train_loss: 0.2509, step time: 0.3440
Batch 178/248, train_loss: 0.2111, step time: 0.3601
Batch 179/248, train_loss: 0.1039, step time: 0.3665
Batch 180/248, train_loss: 0.1188, step time: 0.3488
Batch 181/248, train_loss: 0.4408, step time: 0.3429
Batch 182/248, train_loss: 0.2467, step time: 0.3461
Batch 183/248, train_loss: 0.1368, step time: 0.3861
Batch 184/248, train_loss: 0.3790, step time: 0.3728
Batch 185/248, train_loss: 0.2587, step time: 0.3634
Batch 186/248, train_loss: 0.3788, step time: 0.3738
Batch 187/248, train_loss: 1.0000, step time: 0.3727
Batch 188/248, train_loss: 0.0937, step time: 0.3843
Batch 189/248, train_loss: 0.3076, step time: 0.3671
Batch 190/248, train_loss: 0.4850, step time: 0.3875
Batch 191/248, train_loss: 0.2573, step time: 0.3571
Batch 192/248, train_loss: 0.0794, step time: 0.3477
Batch 193/248, train_loss: 0.1295, step time: 0.3830
Batch 194/248, train_loss: 0.9118, step time: 0.3442
Batch 195/248, train_loss: 0.2962, step time: 0.3478
Batch 196/248, train_loss: 0.1880, step time: 0.3891
Batch 197/248, train_loss: 0.2650, step time: 0.3862
Batch 198/248, train_loss: 0.1615, step time: 0.3754
Batch 199/248, train_loss: 0.1210, step time: 0.3528
Batch 200/248, train_loss: 0.9868, step time: 0.3607
Batch 201/248, train_loss: 0.1260, step time: 0.3447
Batch 202/248, train_loss: 0.9959, step time: 0.3657
Batch 203/248, train_loss: 0.7554, step time: 0.3794
Batch 204/248, train_loss: 0.8225, step time: 0.3786

```
Batch 236/248, train_loss: 0.9998, step time: 0.3869
Batch 237/248, train_loss: 0.2325, step time: 0.3717
Batch 238/248, train_loss: 0.1199, step time: 0.3800
Batch 239/248, train_loss: 0.0839, step time: 0.3733
Batch 240/248, train_loss: 0.4295, step time: 0.3712
Batch 241/248, train_loss: 1.0000, step time: 0.3621
Batch 242/248, train_loss: 0.2703, step time: 0.3872
Batch 243/248, train_loss: 0.8501, step time: 0.3767
Batch 244/248, train_loss: 0.7110, step time: 0.3568
Batch 245/248, train_loss: 0.1452, step time: 0.3610
Batch 246/248, train_loss: 0.7844, step time: 0.3744
Batch 247/248, train_loss: 0.1063, step time: 0.3593
Batch 248/248, train_loss: 1.0000, step time: 0.3739
```

Labels



Predictions