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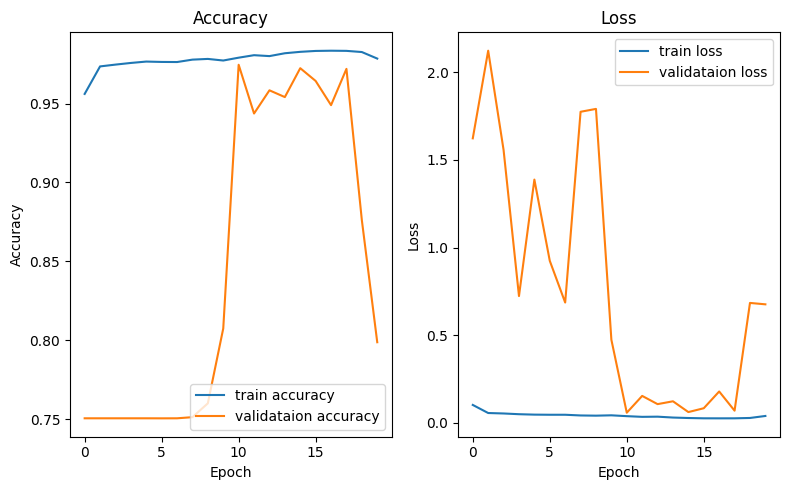
[**Batch size 4: LR rate = 0.01** 6](#_Toc168683712)

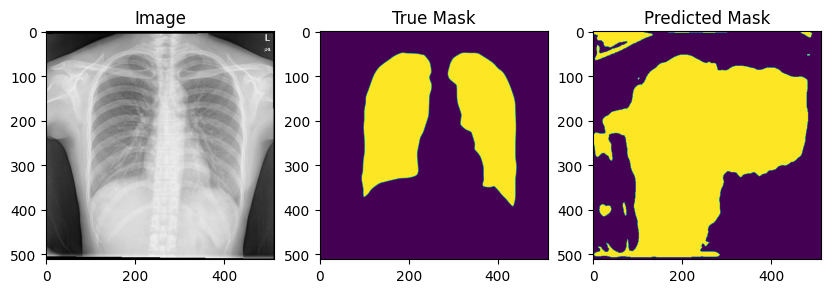
[**Batch size 4: LR rate = 0.0001** 7](#_Toc168683713)

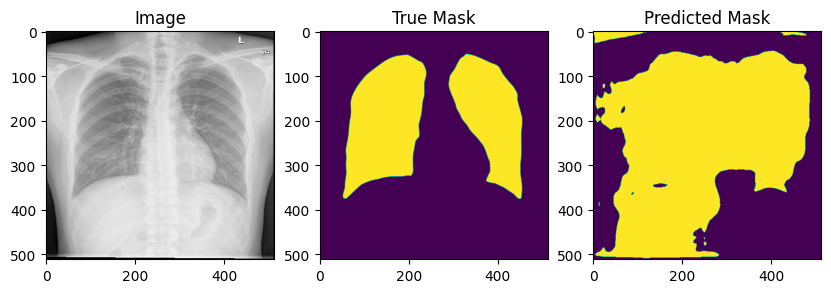
[**Batch size 4: LR rate = 0.001** 8](#_Toc168683714)

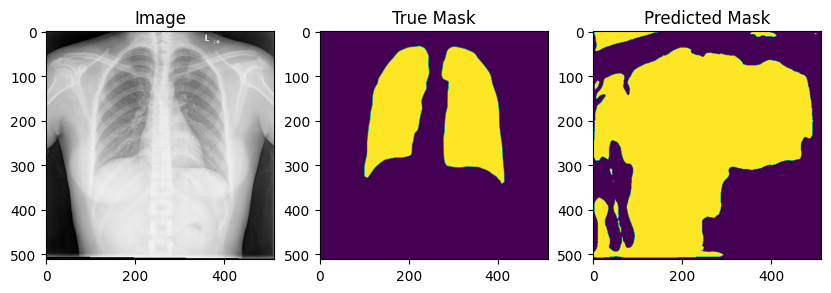
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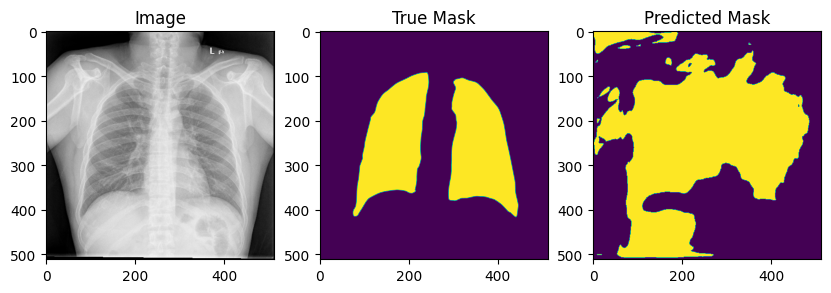
# **Batch size 4 – With out LR Schedule**



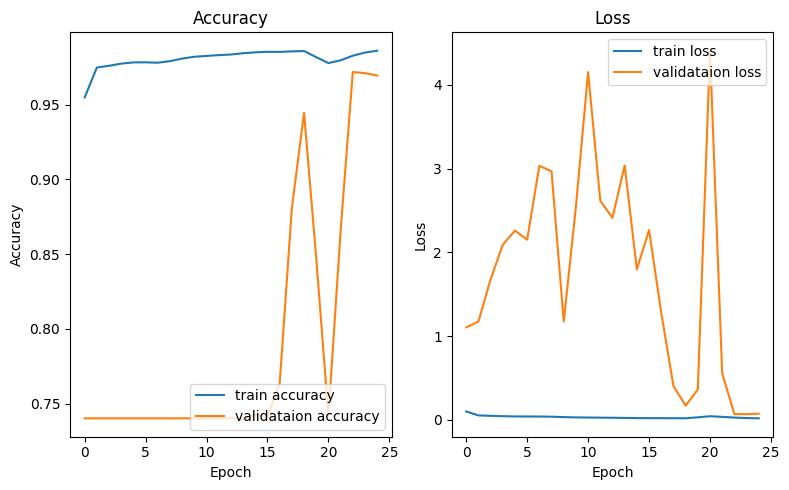


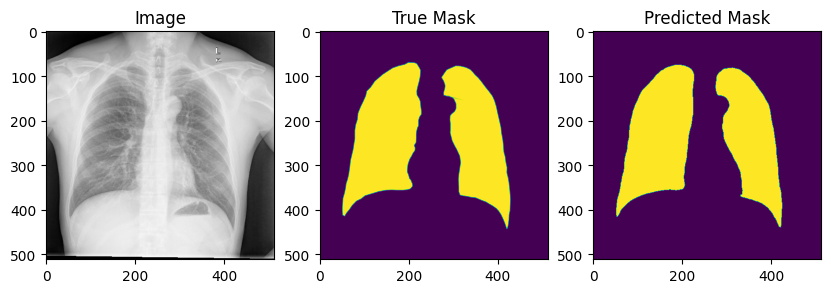


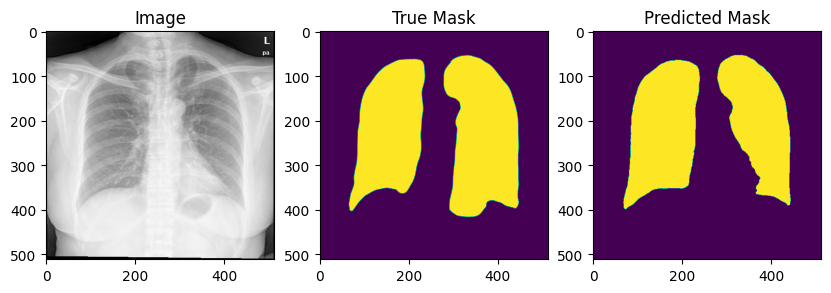


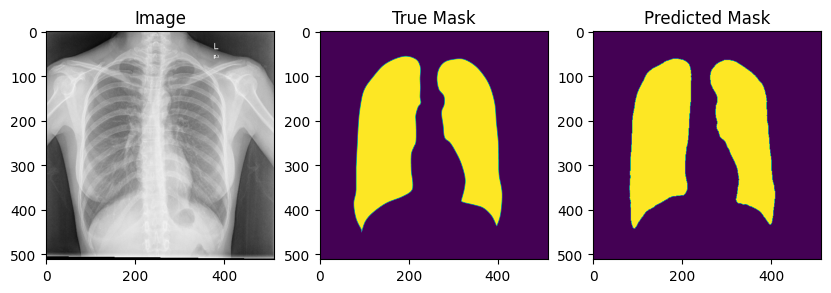


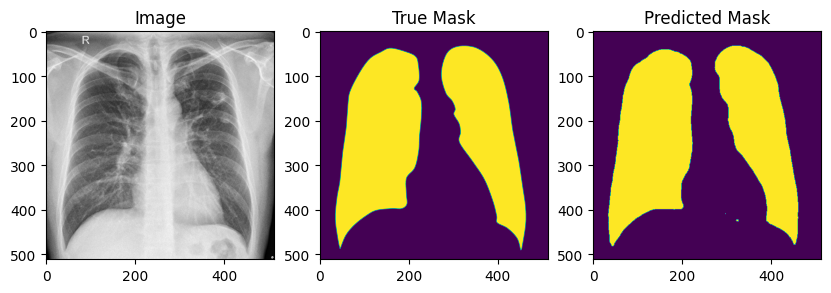
# **Batch size 8: LR rate = 0.001**



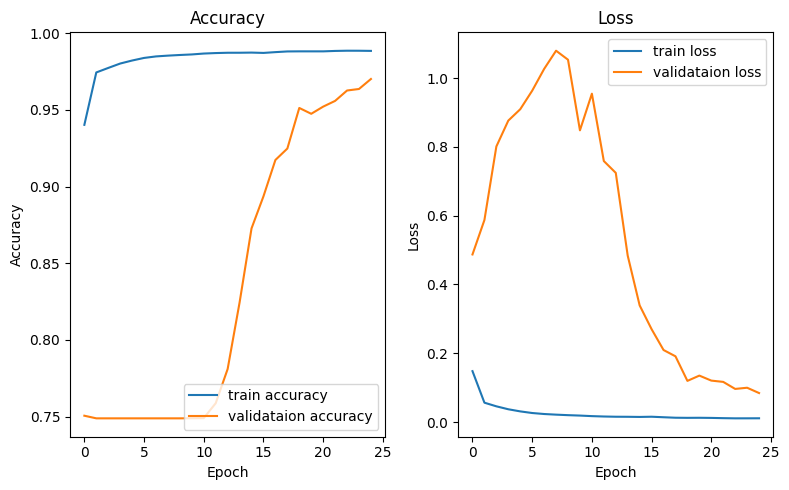


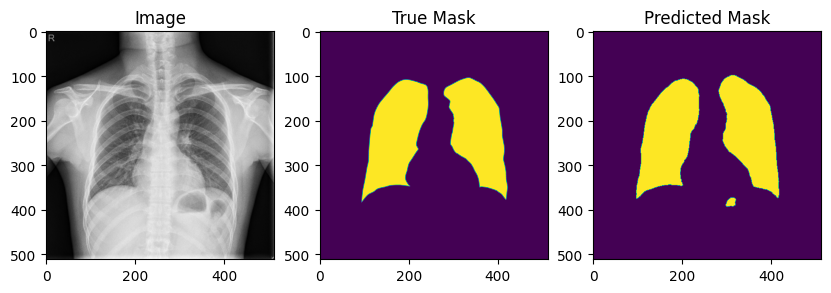


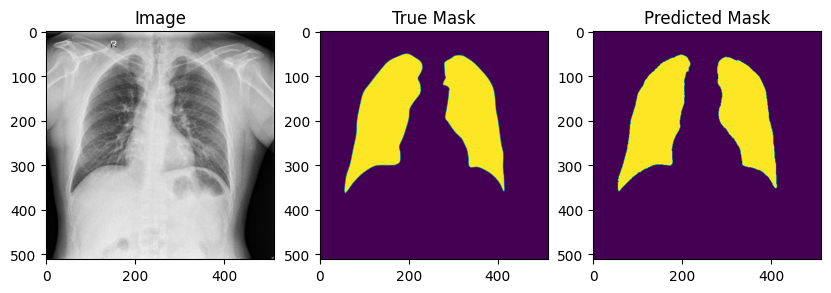


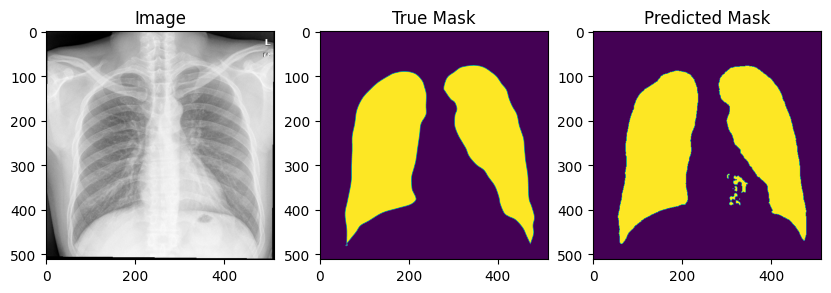


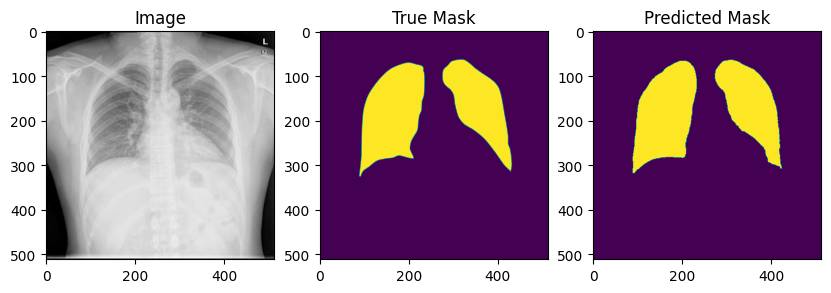
# **Batch size 8: LR rate = 0.0001**

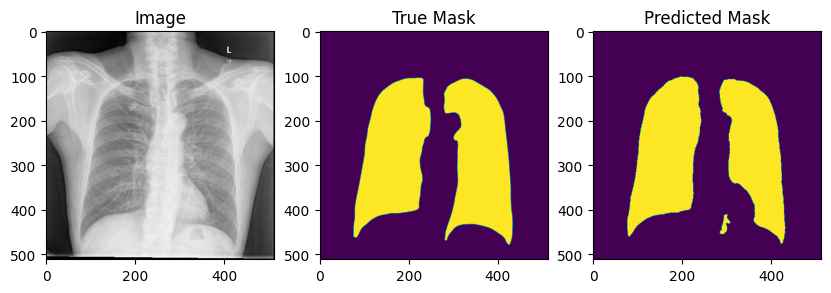


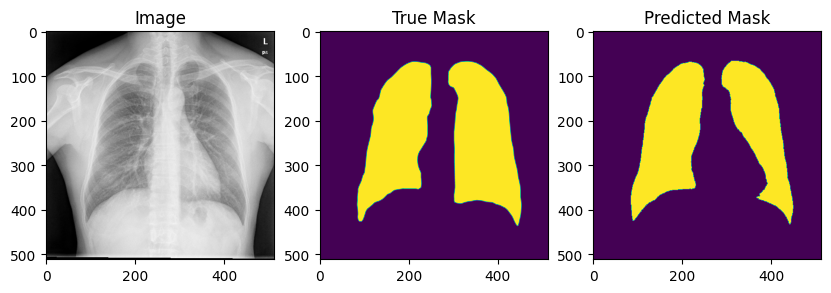


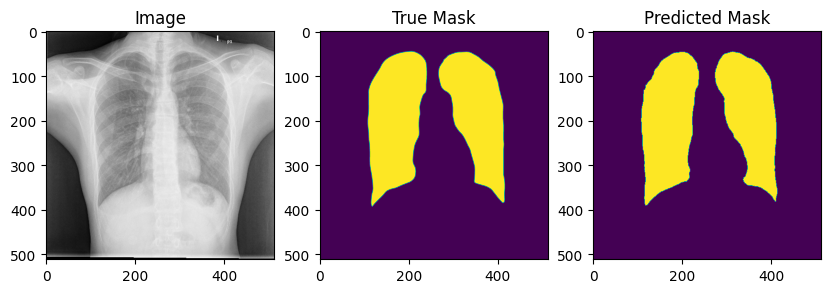


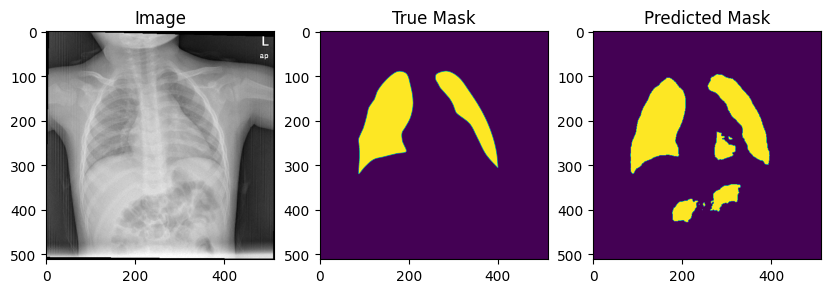




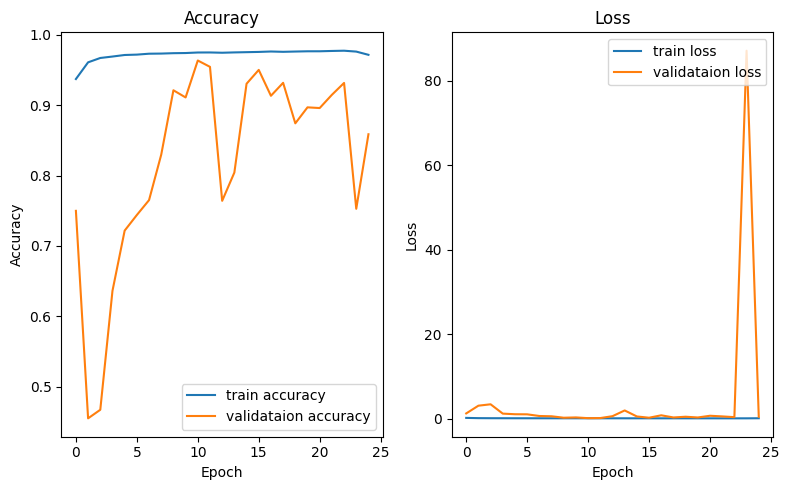


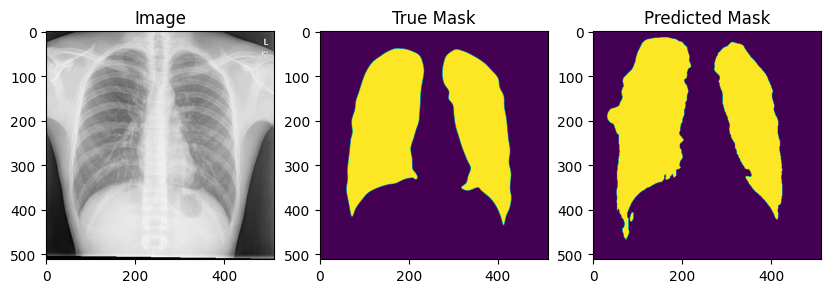


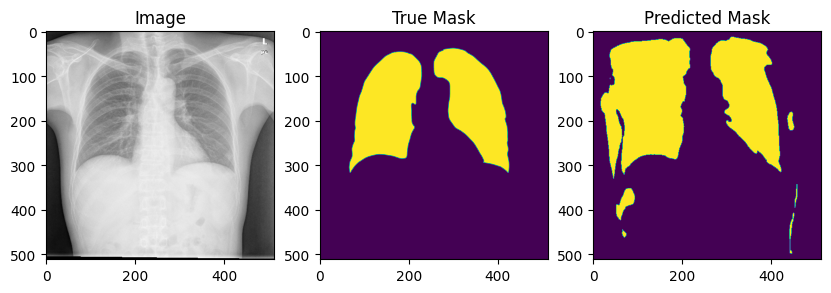
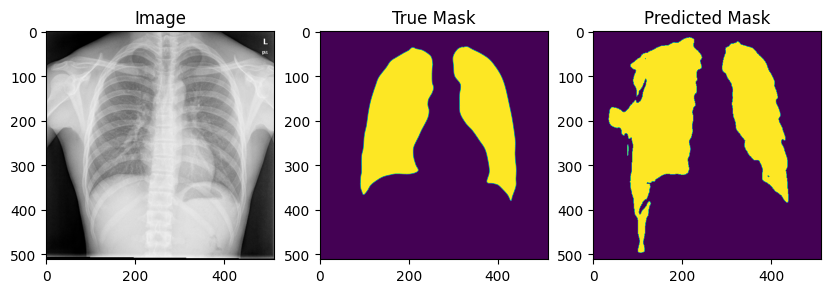


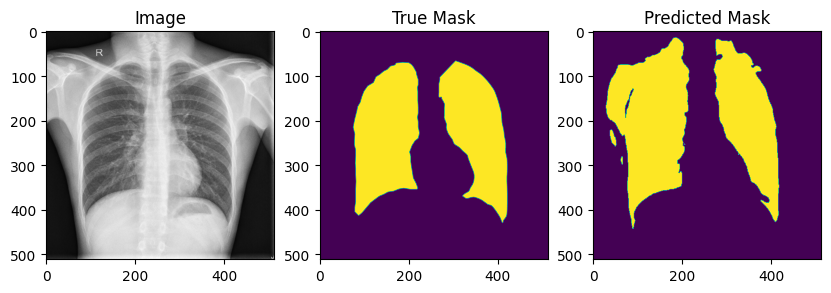


# **Batch size 4: LR rate = 0.01**

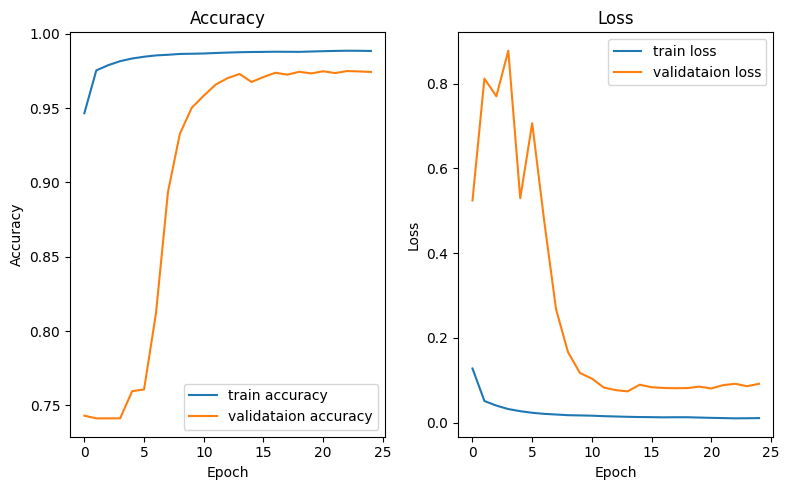


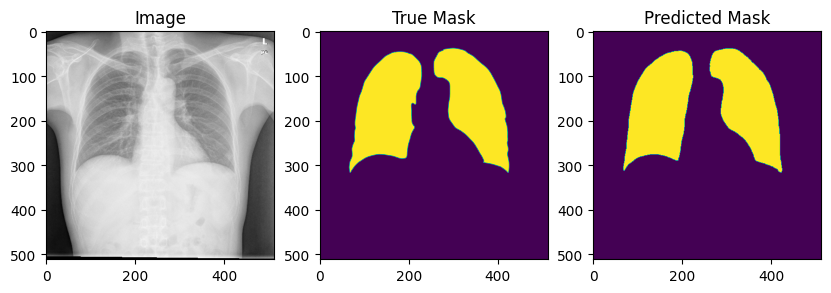


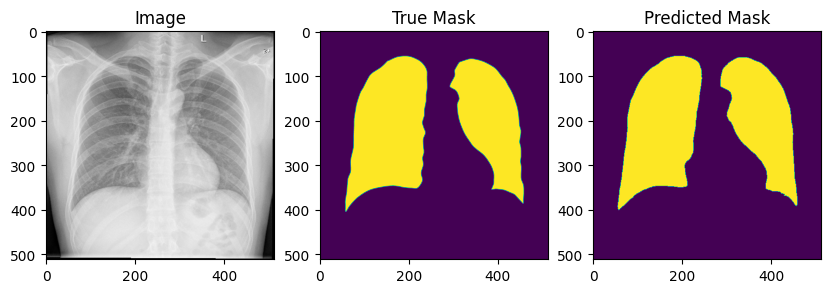
  


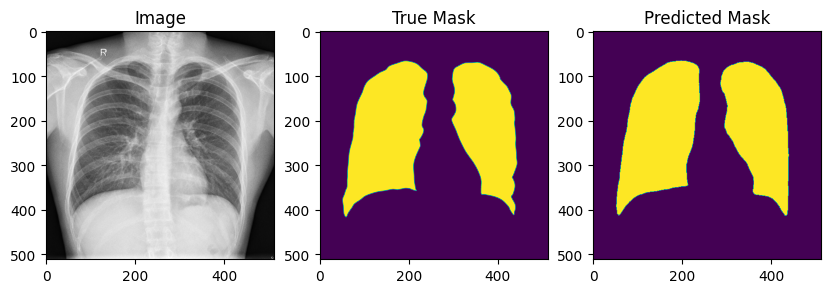


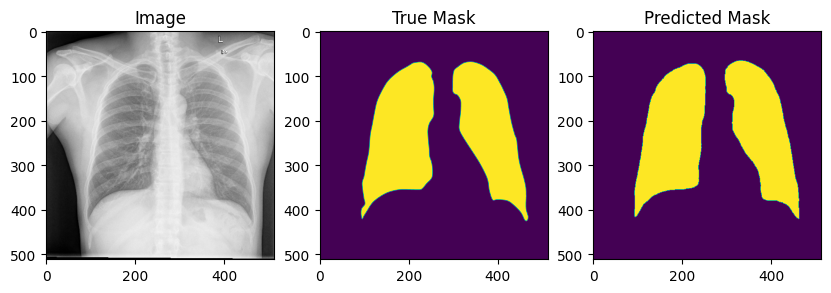
# **Batch size 4: LR rate = 0.0001**



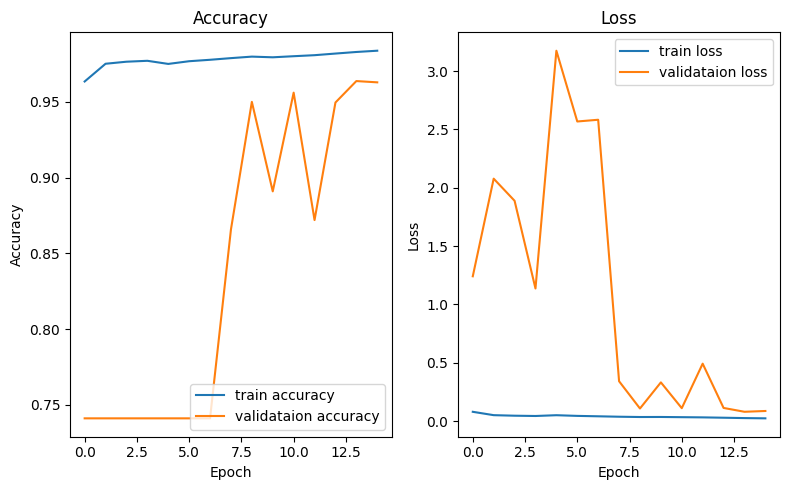


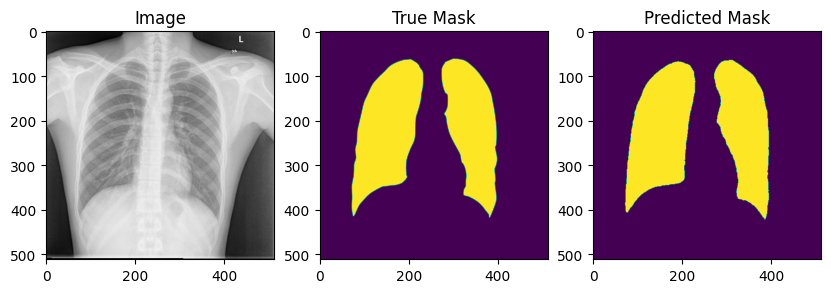
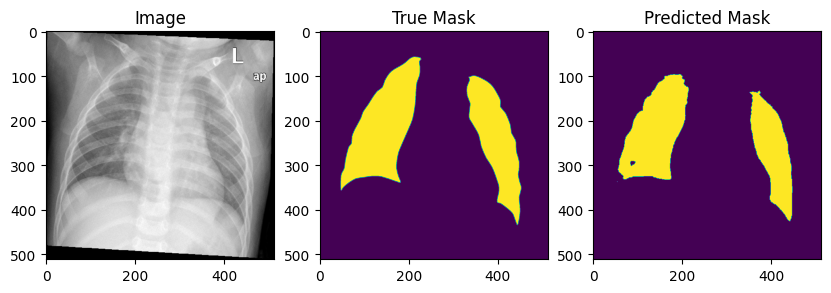


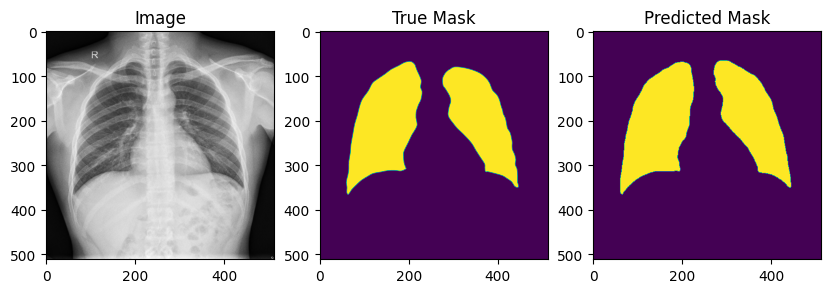


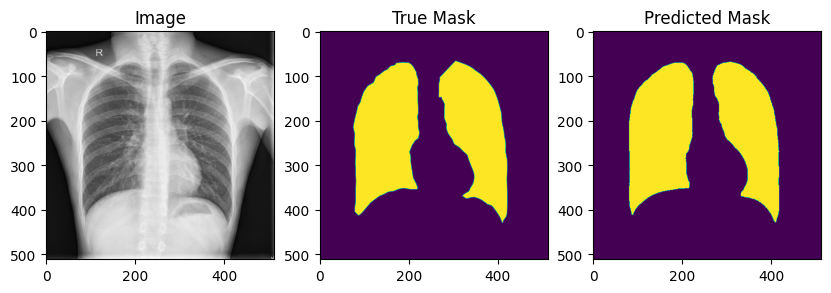


# **Batch size 4: LR rate = 0.001**







# **Batch size 16 - Learning Rate = 0.01 ,0.001 , 0.0001**

Epoch 1/25

---------------------------------------------------------------------------

ResourceExhaustedError Traceback (most recent call last)

[<ipython-input-22-f325bd6133a1>](https://localhost:8080/) in <cell line: 12>()

**10** EPOCHS = 25

**11**

---> 12 deeplab\_model\_history = deeplab\_model.fit(train\_dataset, epochs=EPOCHS,validation\_data=val\_dataset, callbacks=[checkpoint\_callback])

1 frames

[/usr/local/lib/python3.10/dist-packages/tensorflow/python/eager/execute.py](https://localhost:8080/) in quick\_execute(op\_name, num\_outputs, inputs, attrs, ctx, name)

**51** try:

**52** ctx.ensure\_initialized()

---> 53 tensors = pywrap\_tfe.TFE\_Py\_Execute(ctx.\_handle, device\_name, op\_name,

**54** inputs, attrs, num\_outputs)

**55** except core.\_NotOkStatusException as e:

ResourceExhaustedError: Graph execution error:

Detected at node gradient\_tape/model/conv2d\_9/Conv2D/Conv2DBackpropFilter-0-TransposeNHWCToNCHW-LayoutOptimizer defined at (most recent call last):

<stack traces unavailable>

OOM when allocating tensor with shape[16,256,512,512] and type float on /job:localhost/replica:0/task:0/device:GPU:0 by allocator GPU\_0\_bfc

[[{{node gradient\_tape/model/conv2d\_9/Conv2D/Conv2DBackpropFilter-0-TransposeNHWCToNCHW-LayoutOptimizer}}]]

Hint: If you want to see a list of allocated tensors when OOM happens, add report\_tensor\_allocations\_upon\_oom to RunOptions for current allocation info. This isn't available when running in Eager mode.

[Op:\_\_inference\_train\_function\_26524]