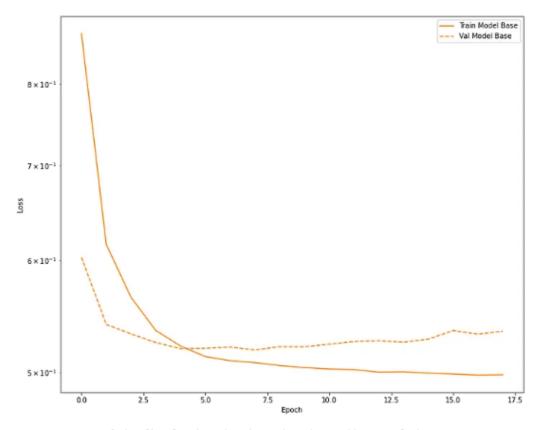
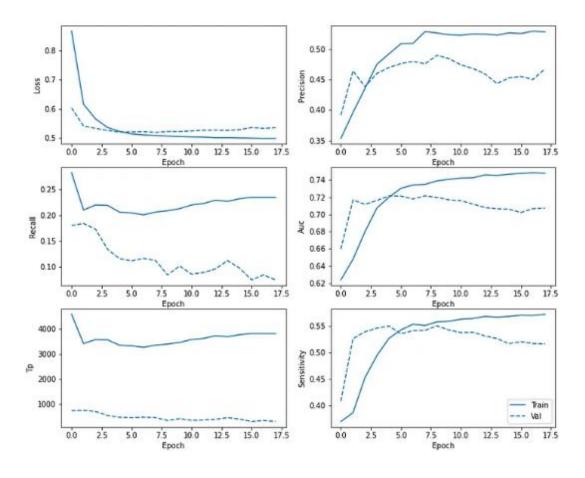
Layer (type)	Output	Shape	Param #
conv2d (Conv2D)	(None,	128, 64, 64)	9728
conv2d_1 (Conv2D)	(None,	64, 64, 64)	73792
max_pooling2d (MaxPooling2D)	(None,	64, 32, 32)	0
batch_normalization (BatchNo	(None,	64, 32, 32)	128
flatten (Flatten)	(None,	65536)	0
dropout (Dropout)	(None,	65536)	0
dense (Dense)	(None,	1)	65537
Total params: 149,185 Trainable params: 149,121 Non-trainable params: 64			

```
Epoch 18/60
1012/1012 [=============] - ETA: 0s - loss: 0.4979 - tp: 3800.0000 - fp: 3390.0000 - tn: 45164.0000 - fn: 12385.0000 - accuracy: 0.7563 - precision: 0.5285 - recall: 0.2348 - auc: 0.7480 - sensitivity: 0.5719
...
```



A plot of loss function using a log scale to show a wide range of value

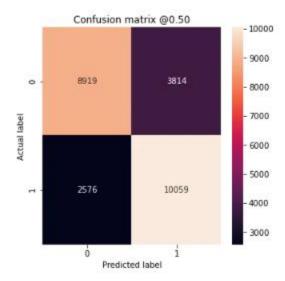


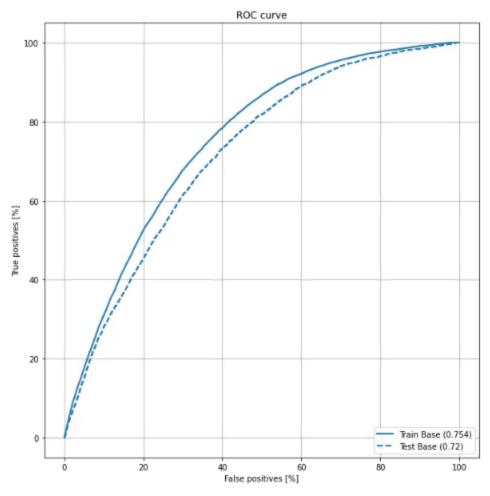
Lesions Detected (True Negatives): 8919

Lesions Incorrectly Detected (False Positives): 3814

No-Lesions Missed (False Negatives): 2576 No-Lesions Detected (True Positives): 10059

Total Lesions: 12635





ROC curve