# OCT Duke Result

## VGG Model:

### Classification:

precision recall f1-score support

AMD 1.00 1.00 1.00 121

DME 1.00 0.99 0.99 155

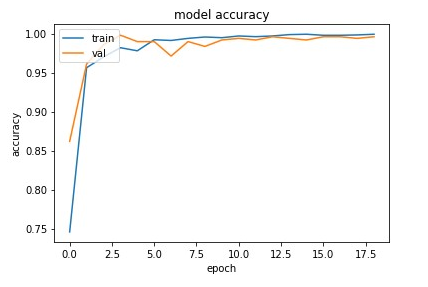
NORMAL 0.99 1.00 1.00 209

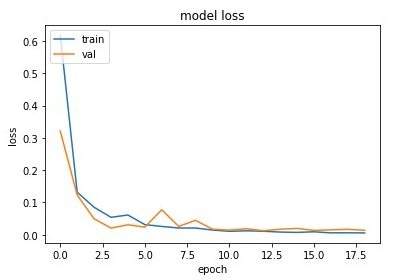
accuracy 1.00 485

macro avg 1.00 1.00 1.00 485

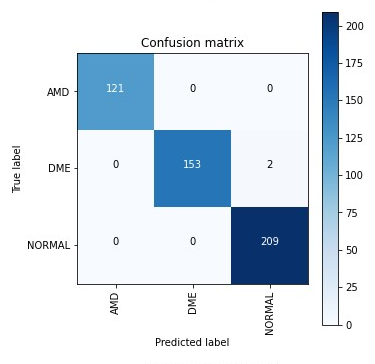
weighted avg 1.00 1.00 1.00 485

### Accuracy and lost curve:

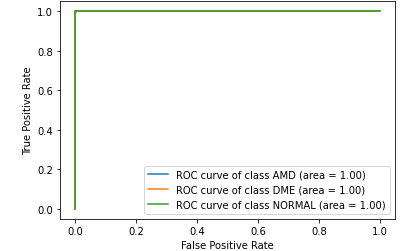




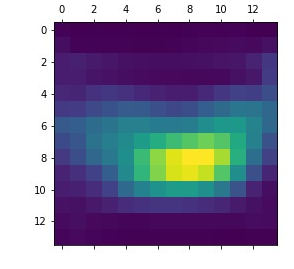
### Confusin matrix:



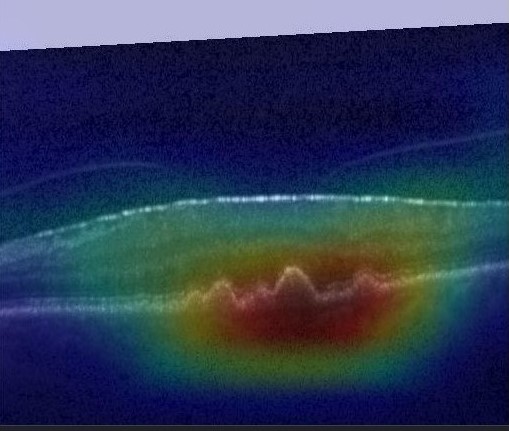
### ROC Curve:



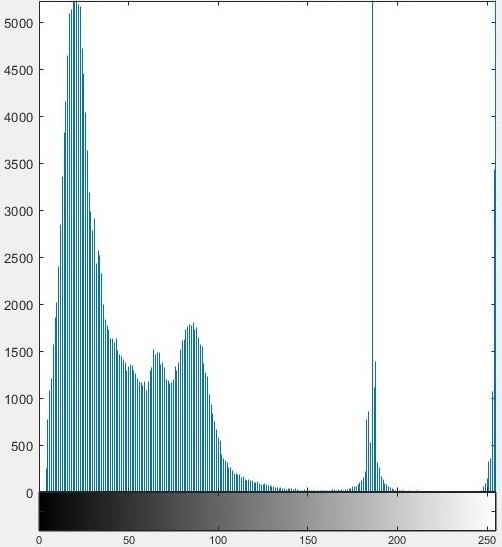
### Heat map:



### Grandcam :



### Histogram:



## Inception Resnet:

### Classification Result

precision recall f1-score support

AMD 1.00 1.00 1.00 121

DME 1.00 1.00 1.00 155

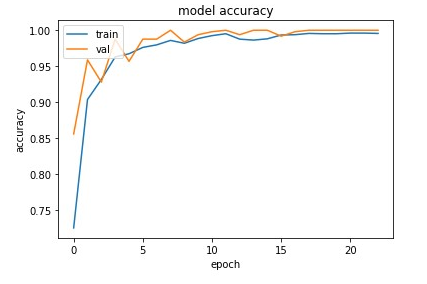
NORMAL 1.00 1.00 1.00 209

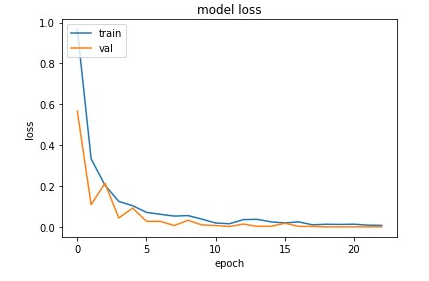
accuracy 1.00 485

macro avg 1.00 1.00 1.00 485

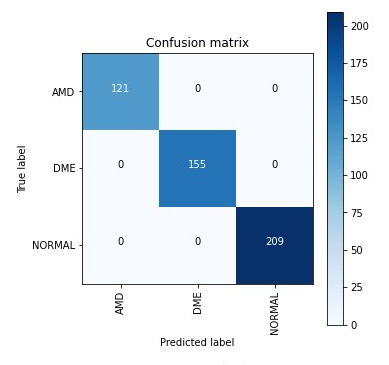
weighted avg 1.00 1.00 1.00 485

### Accuracy and lost curve:

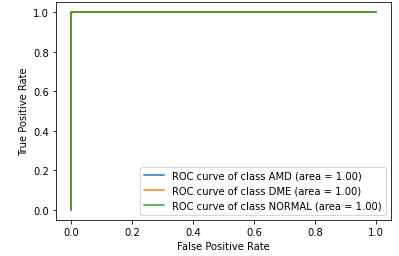




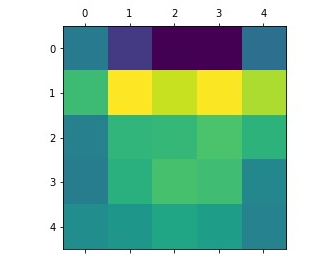
### Confusion matrix:



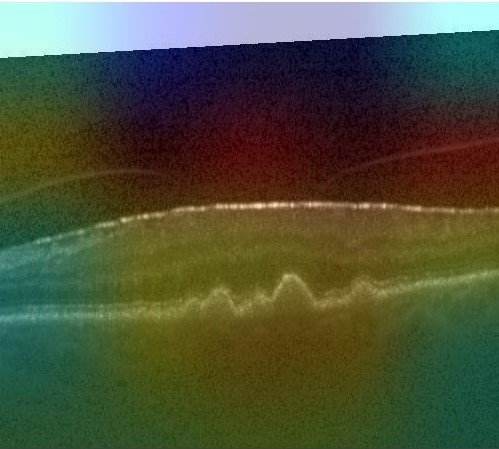
### ROC:



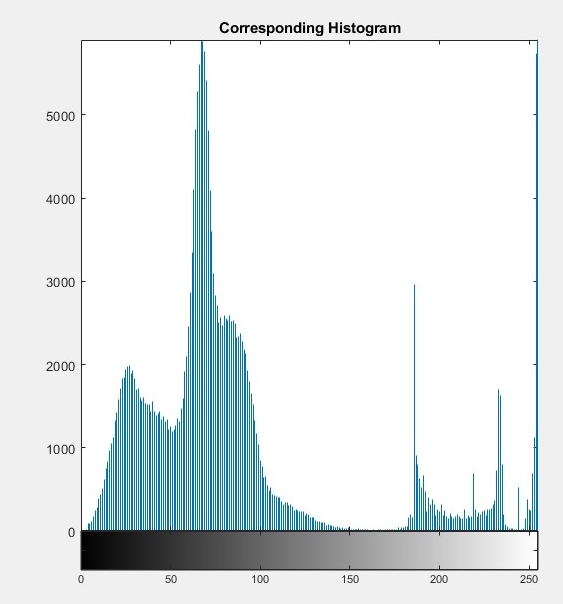
### Heatmap:



### Grandcam :



### Histogram:



## Custom model:

### Classification model:

precision recall f1-score support

AMD 1.00 0.98 0.99 121

DME 0.99 0.96 0.97 161

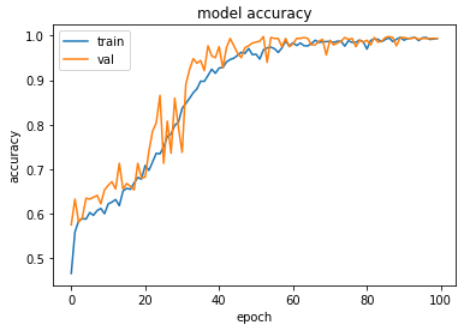
NORMAL 0.97 1.00 0.99 203

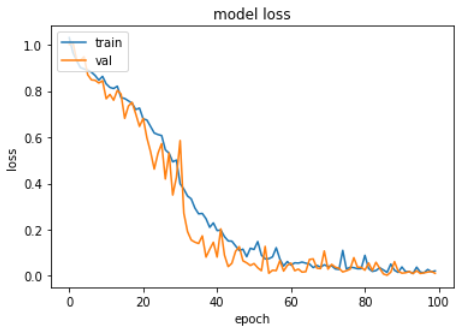
accuracy 0.98 485

macro avg 0.99 0.98 0.98 485

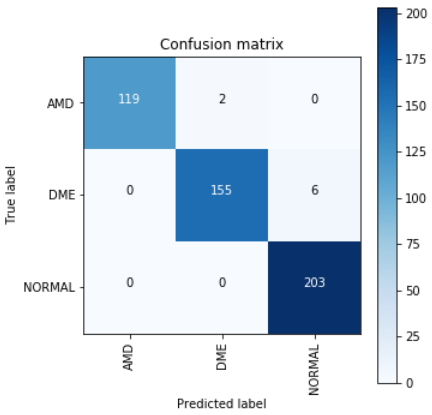
weighted avg 0.98 0.98 0.98 485

### Accuracy and lost curve:

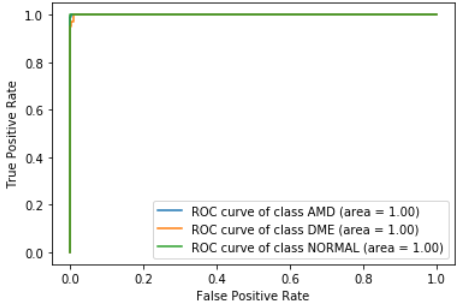




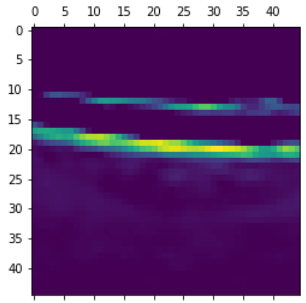
### Confusion Matrix:



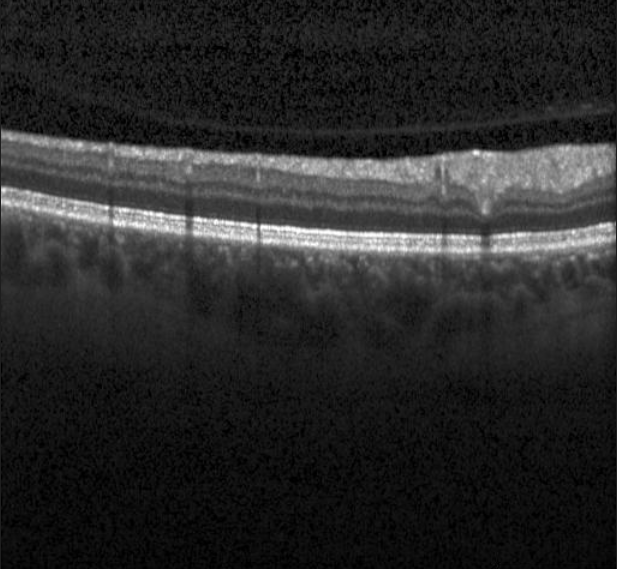
### ROC:



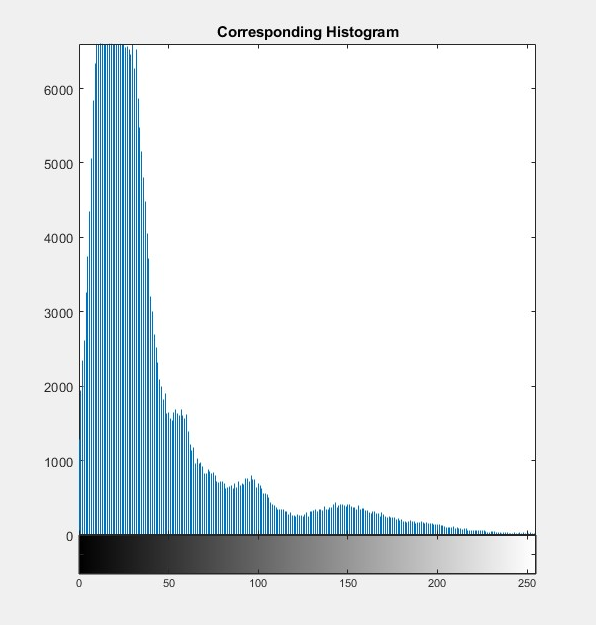
### Heat map

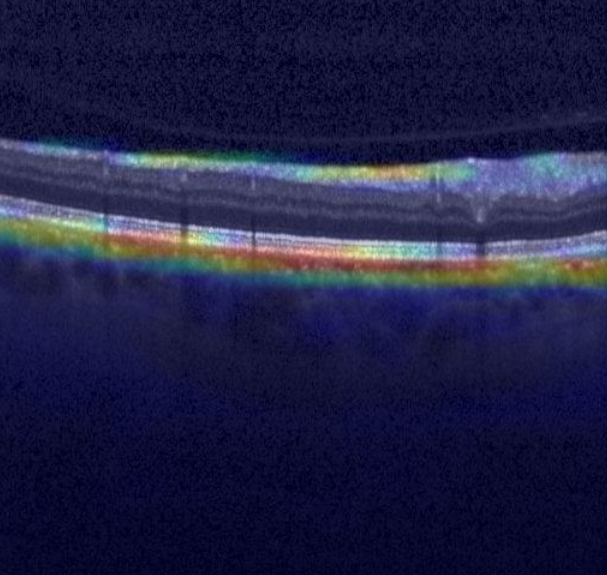


### Grandcam:

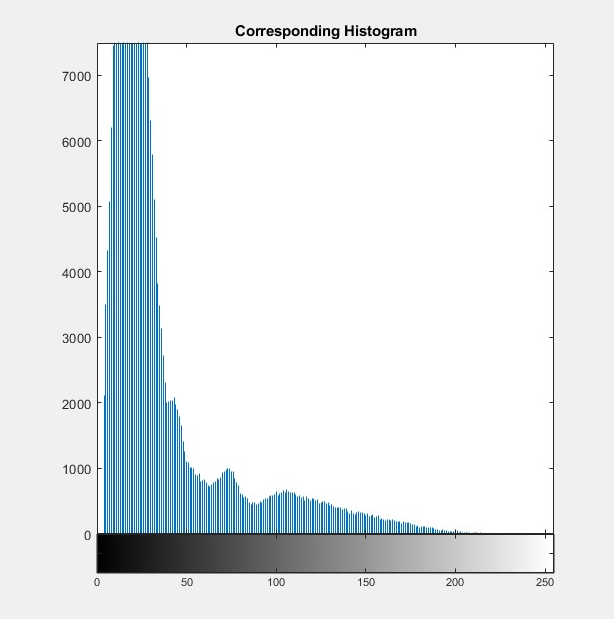


Histogram:





### Histogram:



## Inception Model:

### Classification:

precision recall f1-score support

AMD 0.98 0.98 0.98 121

DME 0.99 0.95 0.97 155

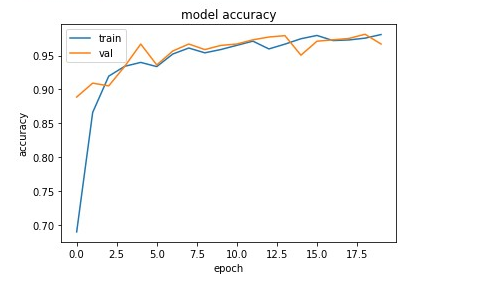
NORMAL 0.97 1.00 0.98 209

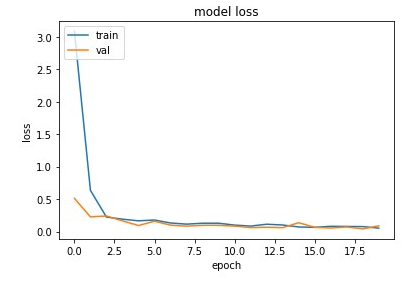
accuracy 0.98 485

macro avg 0.98 0.98 0.98 485

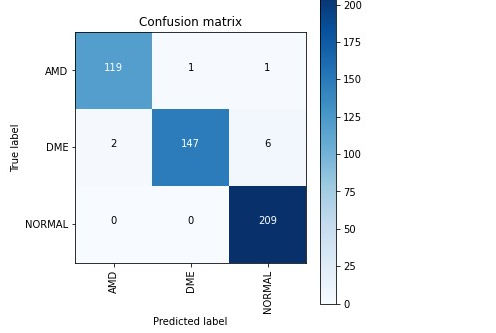
weighted avg 0.98 0.98 0.98 485

### Accuracy and Loss curve:

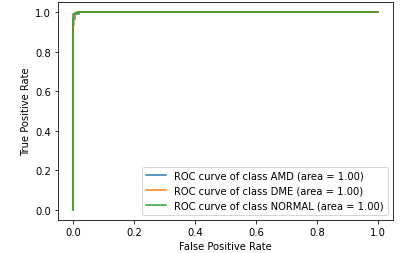




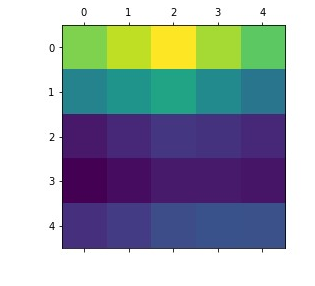
### Confusion Matrix:



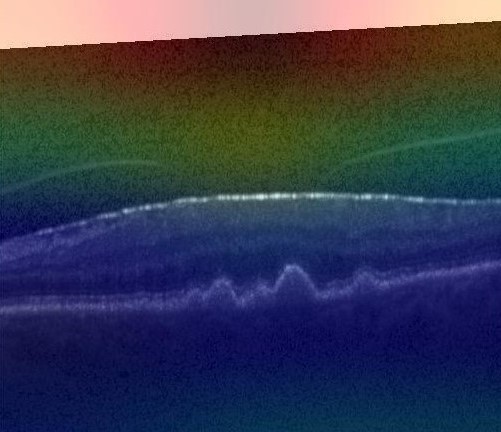
### ROC:



### Heatmap:



### Grandcam:



### Histogram:

