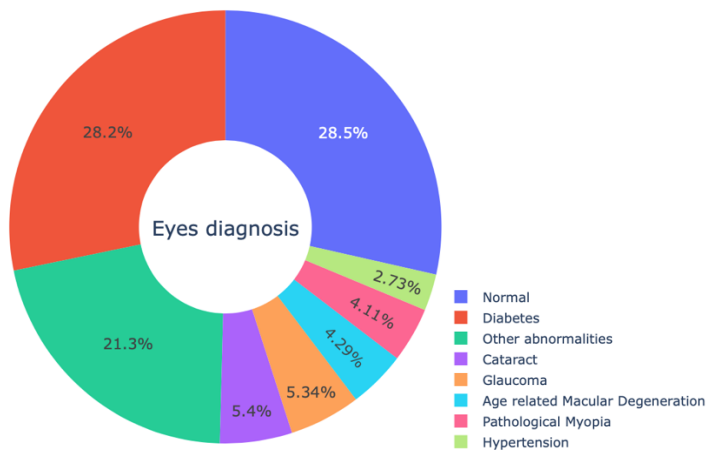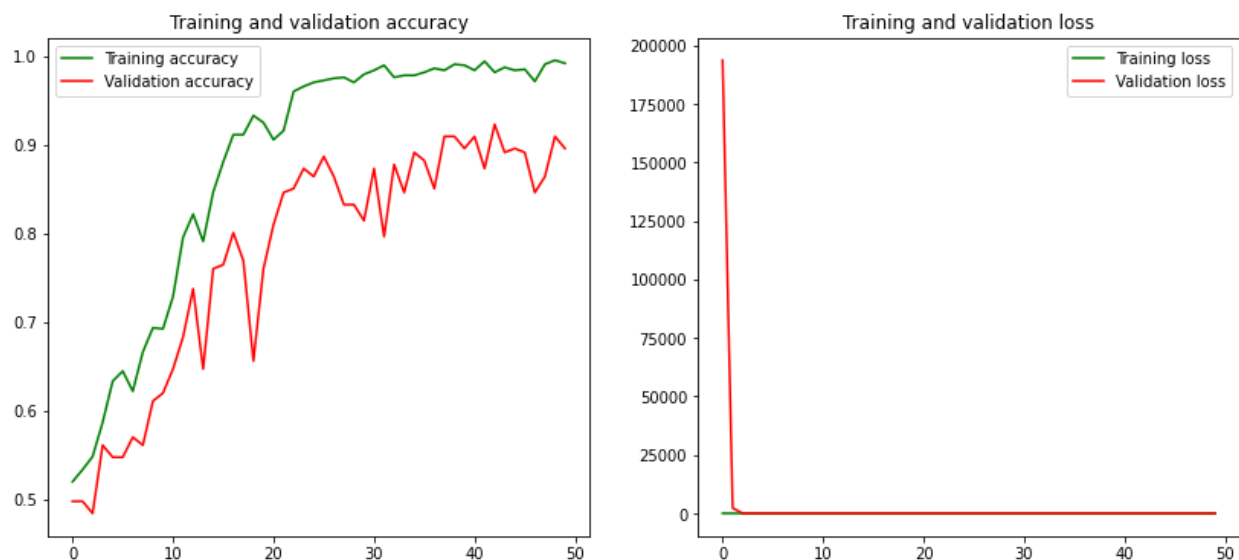# MVP OF Eyes Disease Classification

In this project, which is about deep learning and building classification models which its about eye disease classification for a hospital in Saudi Arabia that we are collaborating with to help them solve their problem, based on the diagnosis of the left and right eye diseases which they were classified into 3 classes. When you enter a picture of a patient's eye, a prediction will be made to know what the diagnosis is for the patient.
The following figure is shown the eyes diagnosis :

The following figure is shown the behavior of the Resnet50 models which is the best model :

The following figure is shown the result of prediction model :

Actual:Normal
Prediction:Normal
Result:Correct

Actual:Normal
Prediction:Normal
Result:Correct

Actual:Cataract
Prediction:Cataract
Result:Correct

Actual:Normal
Prediction:Normal
Result:Correct

Actual:Normal
Prediction:Normal
Result:Correct

Actual:Normal
Prediction:Normal
Result:Correct

Actual:Cataract
Prediction:Normal
Result:Wrong

Actual:Cataract
Prediction:Cataract
Result:Correct

Actual:Normal
Prediction:Normal
Result:Correct

Actual:Normal
Prediction:Normal
Result:Correct

Actual:Cataract
Prediction:Cataract
Result:Correct

Actual:Normal
Prediction:Normal
Result:Correct

Actual:Normal
Prediction:Normal
Result:Correct

Actual:Normal
Prediction:Normal
Result:Correct

Actual:Cataract
Prediction:Cataract
Result:Correct

Actual:Normal
Prediction:Normal
Result:Correct

Actual:Normal
Prediction:Normal
Result:Correct

Actual:Normal
Prediction:Normal
Result:Correct