Diabetic Retinopathy Detection through Image Analysis Using Deep Convolutional Neural Networks

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Objectives and Results

- Objective: Classification of Retine Images attending to the Diabetic Retinopathy Severity Scale using a Deep Learning Model.
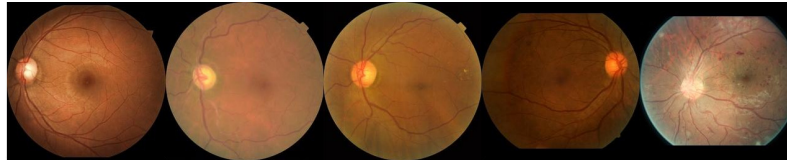- Results: $\kappa_{model} = 0.752$ vs $\kappa_{humanexpert} = 0.8$
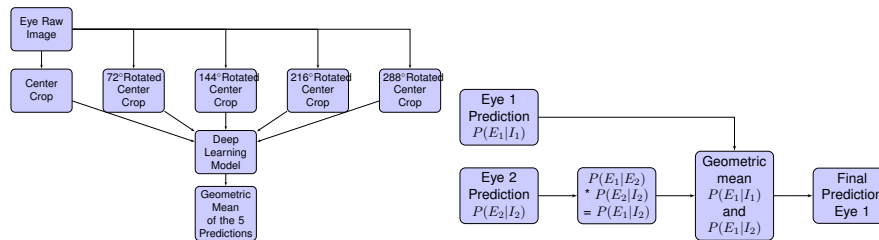

Figure 1: 0 No Disease, 1 Mild, 2 Moderate, 3 Severe and 4 Proliferative

Figure 2: Final predictive model