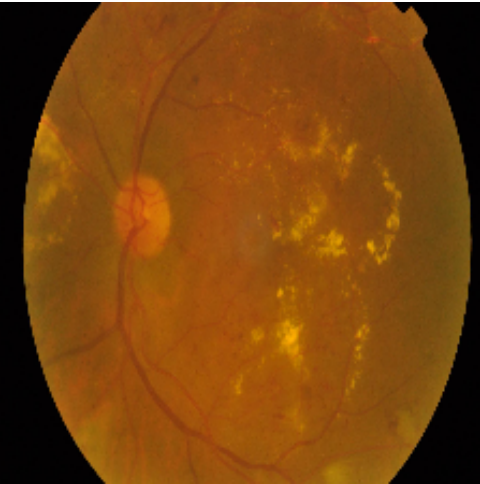# VisionAI — Research Report

Patient Information

Full_Name: Jenifer
Age: 56
Gender: Female
Systolic: 180
Diastolic: 110
Glucose_Level: 343
BMI: 30.8
Duration: 14
Smoking: Yes
Hypertension: Yes
Family_History: Yes
Cholesterol: 230
HbA1c: 8.6
Insulin_Use: Yes
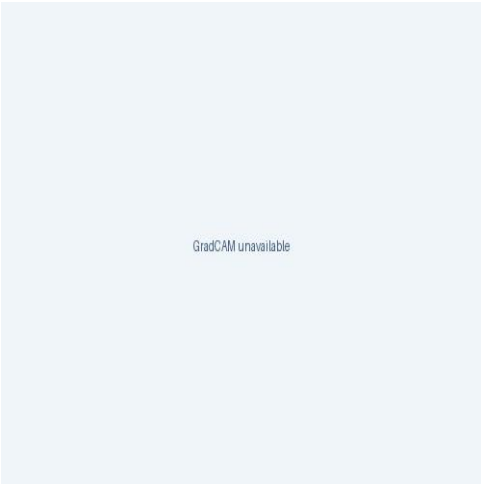Physical_Activity: 1
Medication: Yes

Diagnostic Summary

Predicted Stage: SEVERE
Model Confidence: 45.90%
Composite Risk Score: 50.00%
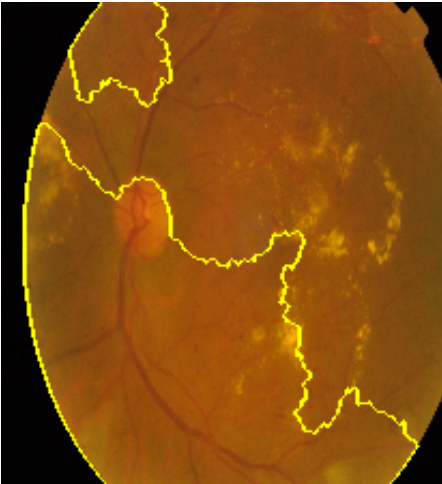
Explainability Visuals

Original

GradCAM

GradCAM unavailable

LIME

SHAP (Feature Importance)

SHAP unavailable