

VisionAI — Patient Report

Patient Information

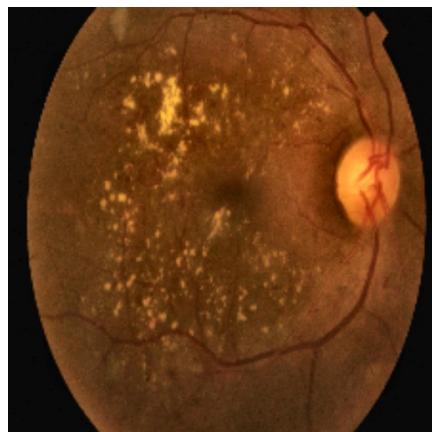
Full_Name: Jenifer
Age: 56
Gender: Female
Systolic: 180
Diastolic: 110
Glucose_Level: 343
BMI: 30.8
Duration: 14

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: 71.15%
Composite Risk Score: 50.00%

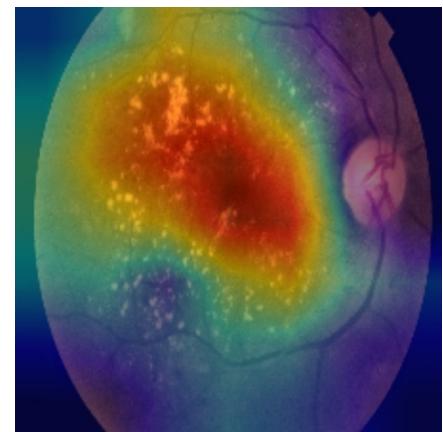
Original



Preprocessed



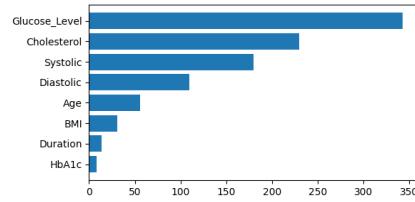
GradCAM



LIME



SHAP (Feature Importance)



Lesion Breakdown

Lesion Quantification:
exudates: 1.035
hemorrhages: 7.948
cotton_wool: 0.0
lesion_percentage: 8.983

Result Overview

Severe non-proliferative diabetic retinopathy with multiple hemorrhages.
What This Means

High risk of progression to proliferative disease; urgent review advised.

Eye Health Findings

- Multiple intraretinal hemorrhages
- Possible macular involvement

VisionAI © 2025 | Explainability & Reporting System

Generated: 2025-11-10T06:03:58.925231