VisionAI — Patient Report
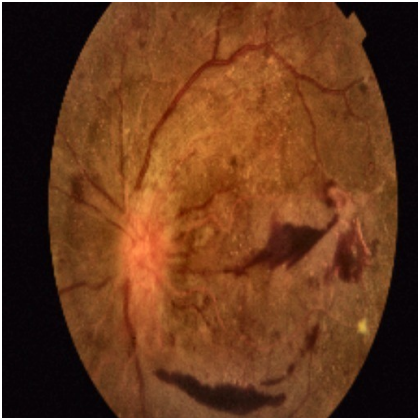

VisionAI

Generated: 2025-11-07 07:00:27

Patient Metadata

Patient ID	Patient_328
Full Name	Jenifer Rao
Age	61
Gender	Male
BP	142/72
Systolic	142.0
Diastolic	72.0
Glucose Level	110.0
BMI	32.7
Smoking	Yes
Duration of Diabetes (years)	18.0
Hypertension	No
Family History	Yes
Phone	000-000-0000
Address	Remote

Image Visualizations

ORIGINAL
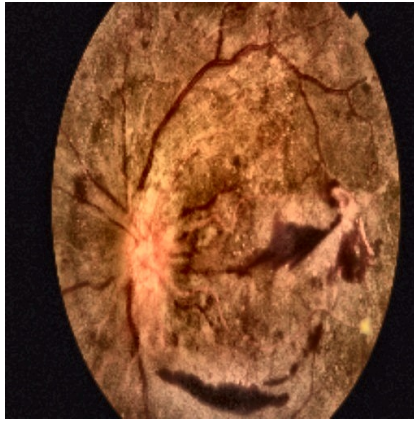
PREPROCESSED

GRADCAM

LIME

SHAP-like Feature Importance (VisionAI)
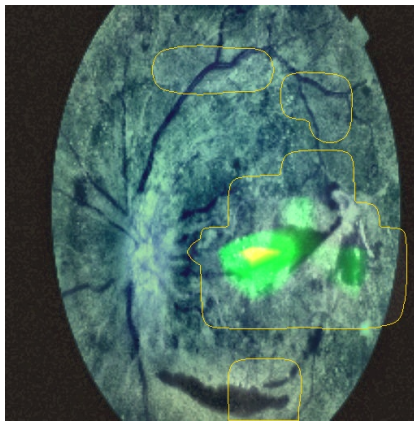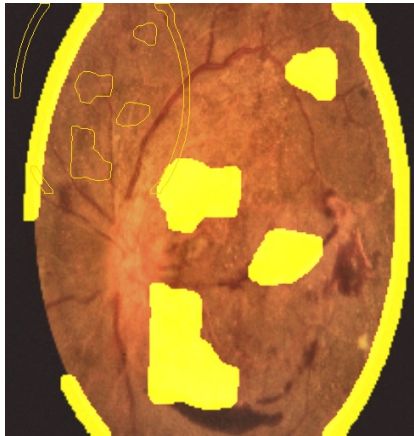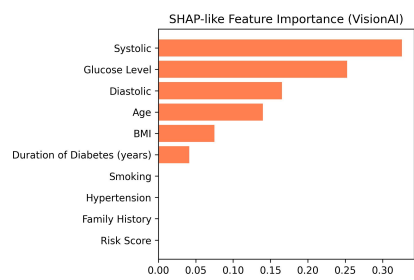
SHAP
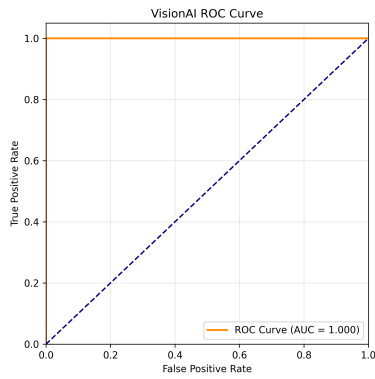
ROC Curve

Lesion Breakdown

Feature	Percentage (%)
Total lesion coverage	26.51
Exudates	0.42
Hemorrhages	1.44
Cotton wool spots	5.37
Microaneurysms	0.0

Model Confidence: 96.0%

Composite Risk Score: 52.59 (see report for formula)

Screening Summary

This screening suggests **PDR** with confidence **96.0%** and estimated lesion coverage: **26.51%**.

How serious is this?

Detected retinal changes indicate that there is measurable retinopathy which may progress if systemic risk factors are not addressed.

Immediate steps (next 7 days)

• Schedule an appointment with an ophthalmologist for a confirmatory examination. • Seek urgent care if there is sudden vision loss, new flashes, or large dark spots.

Lifestyle & prevention

• Work with your physician to control blood sugar targets (discuss HbA1c). • Maintain blood pressure control. • Adopt a balanced diet; increase physical activity (≈30 minutes/day). • Quit smoking and limit alcohol.

Monitoring

Follow-up retinal screening every 6–12 months or as advised by your eye specialist. This report is a screening aid and not a definitive diagnosis.