

VisionAI — Patient Report

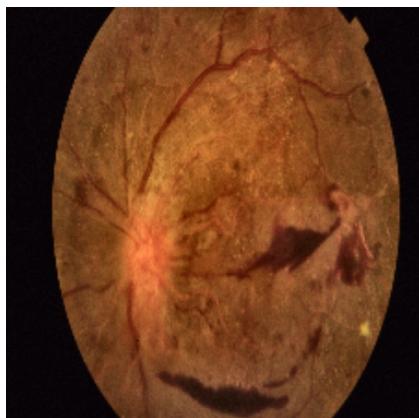


Generated: 2025-11-07 07:15:31

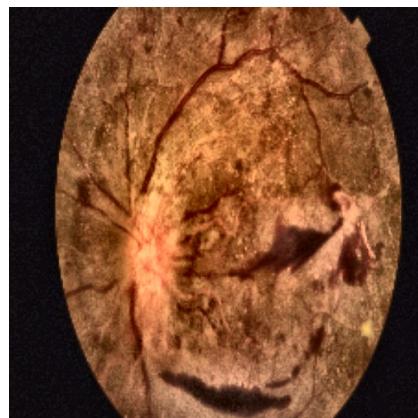
Patient Metadata

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

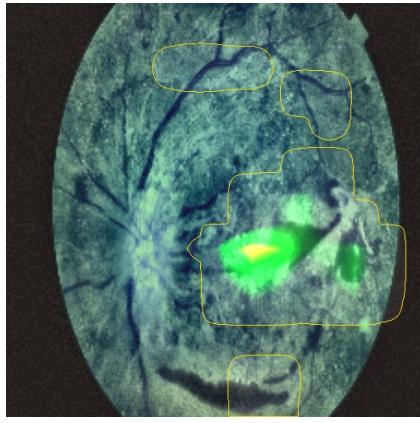
Image Visualizations



Original



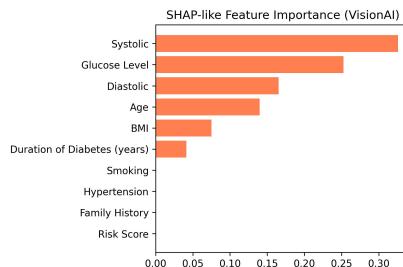
Preprocessed



Gradcam



Lime



Shap

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 (Moderate)

Result Overview

- Screening result: PDR (confidence 96.0%).
- Estimated lesion coverage: 26.51%.

What This Means

- Small bleeds or fluid deposits were detected in the retina which can affect vision if progression occurs.
- Early management of blood sugar and blood pressure reduces risk of progression.

Eye Health Findings (from images)

- Visible focal areas consistent with hemorrhage and exudation on image overlays.
- Heatmaps show concentrated attention near the macular region — this area is important for central vision.

Risk Level & Next Steps

- Composite risk: 51.37 (Moderate). Given the stage, elevated risk management is advised. (Adjusted risk for PDR: 85)
- Immediate: schedule an ophthalmology appointment within 1 week. Emergency: go to ER for sudden vision loss.

Lifestyle & Prevention

- Maintain regular exercise (\approx 30 minutes/day), healthy diet including leafy greens and omega-3 sources.
- Stop smoking; manage weight; adhere to medications for diabetes and hypertension.
- Regular monitoring: retinal screening every 6–12 months or per specialist's advice.

Follow-up

- Bring this report to your eye specialist. This tool is a screening aid — clinical exam is essential for care decisions.