Stage: SEVERE

Metadata Snapshot
■■■■■: Sebastian
■■■■■■: 89
■■■■: Male
■■■■■■■■■■ (mmHg): 190
■■■■■■■■■■■ (mmHg): 110
BMI: 30
■■■■■■■■■: 432
HbA1c: 8.9
■■■■■■■■■■■■: 300
■■■■■■: Yes
■■■■■■■■■■: Yes
■■■■■■ ■■■■: 29
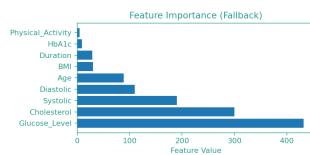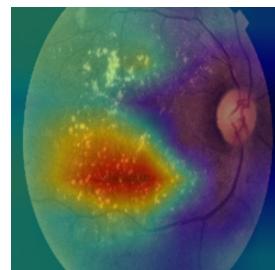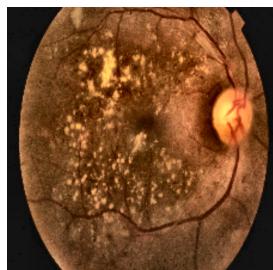
Summary

- Clinical Report — Ophthalmology
- Patient: Sebastian

- Automated Diagnosis:

- Predicted Stage: Severe

- Confidence: 83.6%

- Risk Score: 95.42%

- Findings:

- Automated lesion quantification and explainability analyses (Grad-CAM, LIME, SHAP) support the predicted disease stage.

- Clinical Interpretation:

- The findings are consistent with diabetic microvascular damage. Correlation with clinical examination and OCT imaging is recommended where appropriate.

- Performance Reference:

- Accuracy: 0.947 | F1-score: 0.938 | AUC: 0.971

- VisionAI is intended for decision support and audit assistance.

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Lesion Distribution (%)

Model Performance Metrics