## Patient ID: 39216a76

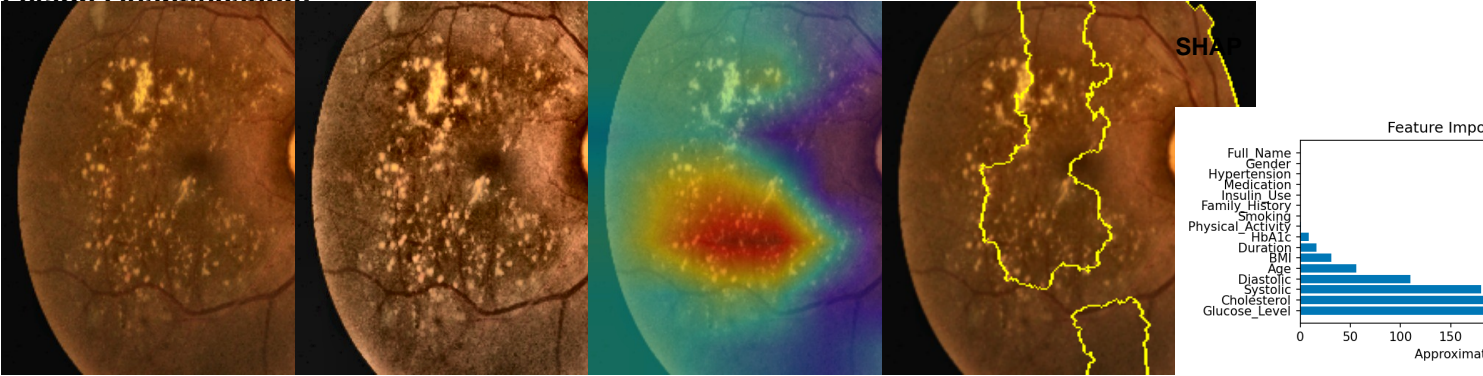| Name: Jenifer | Age: 56 | Gender: Female |
|---|---|---|
| Systolic: 180 | Diastolic: 110 | BMI: 30.8 | HbA1c: 8.6 |

**Lesion Quantification:**



**Narrative:**

Severe diabetic retinal disease features are present. Urgent ophthalmology review is recommended to prevent progression. Key systemic risk factors: smoking, hypertension, obesity (BMI30). Lesion coverage: ~7.74% of image area (automated estimate). Detected lesion highlights: exudates (0.17%), hemorrhages (7.57%). Reported model accuracy: 0.95. Urgent retina referral recommended; coordinate systemic optimization.

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**Model Metrics:**

Accuracy: 0.947
F1-score: 0.938
AUC/ROC: 0.971