



■ Enhanced Retinology AI - Medical Report

Analysis Date:	2025-11-09 12:01:51
Image File:	user_severe_2.jpg
AI Model:	ResNet50 + ImageNet Pre-trained
Analysis ID:	RPT-20251109120151

Patient Retinal Image



Oligerative Diabetic Retinopathy, Neovascularization of Disc
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Primary Diagnosis

Condition:	Severe - Requires Immediate Treatment
Confidence:	73.6%
Severity Level:	Class 3 of 4

Technical Analysis

- Image Resolution: 1016 x 883 pixels (897,128 total)
- Mean Brightness: 101.1 (0-255 scale)
- Brightness Variation: 47.1
- Contrast Ratio: 0.466
- Dark Pixel Regions: 15.8% (potential hemorrhages)
- Bright Pixel Regions: 3.2% (potential exudates)
- Image Quality: High
- Analysis Confidence: Based on feature extraction

Risk Assessment

- Vision Loss Risk: High
- Progression Risk: Rapid (weeks-months)
- Urgency Level: Immediate attention

Recommended Follow-up

- Next Eye Exam: 2-4 weeks • Diabetic Screening: Monthly • Self-monitoring: Daily vision checks

IMPORTANT MEDICAL DISCLAIMER

This AI analysis is for screening purposes only. Always consult qualified ophthalmologists for proper medical diagnosis and treatment decisions. This report should not be used as the sole basis for medical decisions.