

Medical Report

Date: October 06, 2025 **Patient:** John Doe, Age 45

Lab Results Analysis

- Glucose:** 180 mg/dL (Elevated)
- HbA1c:** 8.2% (Elevated)
- Cholesterol:** 240 mg/dL (Elevated)
- HDL:** 35 mg/dL (Low)

Risk Factors

- Poorly controlled Type 2 Diabetes (Glucose 180 mg/dL, HbA1c 8.2%)
- Dyslipidemia (Cholesterol 240 mg/dL, HDL 35 mg/dL)
- APOE4 Variant
- Family History of Heart Disease
- Hypertension
- Age (45)

Clinical Recommendations

- Comprehensive Cardiovascular Risk Assessment (ASCVD Risk Estimator Plus)
- Medication Review (CYP2D6 poor metabolizer status)
- Lifestyle Counseling (Diet, Exercise, Weight Management)
- Diabetes Education (Certified Diabetes Educator)
- Lipid-Lowering Therapy (Statin)
- Blood Pressure Management (Target <130/80 mmHg)

- Nephropathy Screening (Urine albumin-to-creatinine ratio, eGFR)
- Annual Dilated Eye Exam
- Foot Exam
- Cognitive Assessment