

Advanced Comprehensive Health Examination Report

Patient Information

Patient Name: Johnathan M. Doe
Date of Birth: 03/15/1987
Gender: Male
Report Date: 11/22/2025
Report ID: HR-2025-PRO-ENG-01
Referring Physician: Dr. Emily Richards, MD

Blood Panel Results

Test	Result	Reference Range	Flag
Hemoglobin (HGB)	15.1 g/dL	13.5 – 17.5 g/dL	
White Blood Cells (WBC)	11.8 x10 ³ /uL	4.0 – 11.0 x10 ³ /uL	High
Platelets (PLT)	198 x10 ³ /uL	150 – 450 x10 ³ /uL	
Fasting Glucose	108 mg/dL	74 – 100 mg/dL	High
HbA1c	5.4%	< 5.7%	
Total Cholesterol	212 mg/dL	< 200 mg/dL	High
HDL Cholesterol	54 mg/dL	> 40 mg/dL	
LDL Cholesterol	138 mg/dL	< 130 mg/dL	Borderline
Triglycerides	156 mg/dL	< 150 mg/dL	High
TSH	2.1 µIU/mL	0.4 – 4.0 µIU/mL	

Liver & Kidney Function Panel

Test	Result	Reference Range	Flag
ALT	32 U/L	7 – 56 U/L	
AST	27 U/L	10 – 40 U/L	
Creatinine	0.92 mg/dL	0.7 – 1.3 mg/dL	
eGFR	102 mL/min/1.73m ²	> 90	
BUN	17 mg/dL	7 – 20 mg/dL	

Clinical Summary & Interpretation

Summary of Findings:

- Several values fall outside the optimal reference ranges, including WBC count, fasting glucose, LDL cholesterol, and triglycerides.
- These variations may indicate mild metabolic imbalance or early signs of dyslipidemia.
- No critical abnormalities were detected in liver or renal function panels.

Recommendations:

- Implement dietary adjustments focusing on reduced sugar intake and improved lipid profile.
- Increase moderate physical activity to at least 150 minutes per week.
- Recheck fasting glucose and lipid panel in 3–6 months.
- Follow up with a primary care physician or endocrinologist if elevated values persist.

Disclaimer:

This report is intended for medical evaluation purposes. Interpretation should be performed by a licensed physician.