

HEALTHCARE MEDICAL CENTER

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LABORATORY REPORT

Report Date: January 15, 2024 | Accession #: L2024-001234

Patient Name: John Doe (Test Patient)
Medical Record #: MR-2024-001
Date of Collection: January 15, 2024
Physician: Dr. Sarah Smith
Specimen Type: Venous Blood

DOB: 01/01/1980
Age: 44 years
Time of Collection: 08:30 AM
Department: Internal Medicine
Collection Site: Right Antecubital

COMPLETE BLOOD COUNT (CBC)

Test	Result	Reference Range	Units	Status
White Blood Cell Count	6.8	4.0 - 11.0	K/ μ L	Normal
Red Blood Cell Count	4.5	4.2 - 5.4	M/ μ L	Normal
Hemoglobin	14.2	12.0 - 16.0	g/dL	Normal
Hematocrit	42.1	36.0 - 46.0	%	Normal
Mean Corpuscular Volume (MCV)	93.6	80.0 - 100.0	fL	Normal
Mean Corpuscular Hemoglobin (MCH)	31.6	27.0 - 33.0	pg	Normal
Mean Corpuscular Hemoglobin Concentration (MCHC)	33.7	32.0 - 36.0	g/dL	Normal
Red Cell Distribution Width (RDW)	12.8	11.5 - 14.5	%	Normal
Platelet Count	275	150 - 450	K/ μ L	Normal
Mean Platelet Volume (MPV)	8.2	7.5 - 11.5	fL	Normal

BASIC METABOLIC PANEL

Test	Result	Reference Range	Units	Status
Glucose (Fasting)	92	70 - 99	mg/dL	Normal
BUN (Blood Urea Nitrogen)	16	7 - 20	mg/dL	Normal
Creatinine	0.9	0.6 - 1.2	mg/dL	Normal
eGFR (Estimated Glomerular Filtration Rate)	95	> 60	mL/min/1.73m ²	Normal
Sodium	141	136 - 145	mmol/L	Normal
Potassium	4.1	3.5 - 5.0	mmol/L	Normal
Chloride	103	98 - 107	mmol/L	Normal
CO2 (Bicarbonate)	24	22 - 28	mmol/L	Normal
Calcium	9.8	8.5 - 10.5	mg/dL	Normal

LIPID PANEL

Test	Result	Reference Range	Units	Status
Total Cholesterol	185	< 200	mg/dL	Normal
HDL Cholesterol	52	> 40	mg/dL	Normal
LDL Cholesterol (Calculated)	115	< 100	mg/dL	Borderline High
Triglycerides	90	< 150	mg/dL	Normal
Non-HDL Cholesterol	133	< 130	mg/dL	Borderline High
Cholesterol/HDL Ratio	3.6	< 5.0	Ratio	Normal

<div><div>CLINICAL INTERPRETATION:</div><div><div><div>• Complete Blood Count: All parameters within normal reference ranges. No evidence of anemia, infection, or blood disorders.</div><div>• Basic Metabolic Panel: All values within normal limits. Kidney function appears normal with eGFR >90 mL/min/1.73m².</div><div>• Lipid Panel: Total cholesterol and HDL are within normal ranges. LDL cholesterol is borderline high, suggesting moderate cardiovascular risk.</div></div></div><div><div>RECOMMENDATIONS:</div><div><div>• Continue current medications as prescribed</div><div>• Implement dietary modifications to reduce LDL cholesterol</div><div>• Increase physical activity to improve HDL levels</div><div>• Follow-up lipid panel in 6 months</div><div>• Schedule annual physical examination</div></div></div></div>
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This report is for testing purposes only.

Report generated by: Laboratory Information System | Verified by: Dr. Michael Johnson, MD

Report Date: January 15, 2024 14:30 | Next Review: January 15, 2025