

Patient Information

Name: John Michael Smith
Age/Gender: 42 Years / Male
Patient ID: CB-PT-2024-7891
Phone: +1 (555) 123-4567
Address: 1245 Oak Street, Suite 200
Springfield, IL 62701

Test Information

Collection Date: June 10, 2024
Collection Time: 08:30 AM
Report Date: June 12, 2024
Referring Doctor: Dr. Sarah Johnson, MD
Sample Type: Venous Blood

COMPREHENSIVE METABOLIC PANEL (CMP)

Test Parameter	Result	Reference Range	Units	Status
Glucose (Fasting)	95	70-100	mg/dL	Normal
Blood Urea Nitrogen (BUN)	18	7-20	mg/dL	Normal
Creatinine	1.2	0.6-1.2	mg/dL	Normal
Estimated GFR	65	>60	mL/min/1.73m ²	Borderline
Sodium	142	136-145	mmol/L	Normal
Potassium	4.1	3.5-5.1	mmol/L	Normal
Chloride	101	98-107	mmol/L	Normal
CO2	24	22-28	mmol/L	Normal
Total Protein	7.2	6.0-8.3	g/dL	Normal
Albumin	4.1	3.5-5.0	g/dL	Normal
Total Bilirubin	0.8	0.3-1.2	mg/dL	Normal
ALT (SGPT)	52	7-40	U/L	High
AST (SGOT)	48	8-40	U/L	High
Alkaline Phosphatase	95	44-147	U/L	Normal

* Reference ranges may vary slightly between laboratories and are adjusted for age and gender where applicable.

⚠️ **Abnormal Results Requiring Attention**

Elevated Liver Enzymes: ALT and AST levels are above normal range. Consider follow-up testing and clinical correlation.
Borderline GFR: Estimated glomerular filtration rate suggests mild kidney function decline. Monitor closely.

Clinical Interpretation & Recommendations

The comprehensive metabolic panel shows generally normal results with two notable exceptions:

- **Liver Function:** Mild elevation in ALT (52 U/L) and AST (48 U/L) may indicate hepatic stress. Recommend lifestyle modifications, alcohol cessation if applicable, and repeat testing in 4-6 weeks.
- **Kidney Function:** GFR of 65 mL/min/1.73m² suggests mild decline. Consider nephrology consultation if persistent on repeat testing.
- **Overall Assessment:** Patient should maintain hydration, follow a balanced diet, and schedule follow-up testing as recommended.

Dr. Michael Roberts, MD

Clinical Pathologist
License: MP-12345
Date: June 12, 2024

Laboratory Director

Dr. Jennifer Lee, PhD
CLIA Certified
Date: June 12, 2024

CureBooking Laboratory

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Certifications & Accreditations

CLIA Certified Laboratory
Certificate #: 14D0123456
CAP Accredited #: 45678
ISO 15189:2012 Certified
Licensed by State Health Department
License #: SL-2024-0892

This report is confidential and intended solely for the use of the patient and referring physician. Results should be interpreted in conjunction with clinical findings.

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