

Critical Findings Health Report

Patient Name: David Lee

Patient ID: 999001

Date: 2024-05-18

Basic Metabolic Panel

Sodium	128	135 - 145 mmol/L
Potassium	5.8	3.5 - 5.1 mmol/L
Chloride	110	98 - 107 mmol/L
CO2	18	22 - 29 mmol/L
BUN	33	7 - 20 mg/dL
Creatinine	2.1	0.6 - 1.2 mg/dL
Glucose (Fasting)	185	70 - 99 mg/dL
Calcium	7.8	8.6 - 10.3 mg/dL

Liver Function Tests

AST (SGOT)	78	10 - 40 U/L
ALT (SGPT)	95	7 - 56 U/L
Alkaline Phosphatase	165	44 - 147 U/L
Total Bilirubin	2.4	0.2 - 1.2 mg/dL
Albumin	3.2	3.5 - 5.0 g/dL
Total Protein	5.5	6.0 - 8.3 g/dL

Complete Blood Count (CBC)

WBC	14.2	4.0 - 11.0 x10 ³ /uL
RBC	3.9	4.2 - 5.9 x10 ⁶ /uL
Hemoglobin	10.1	13.5 - 17.5 g/dL
Hematocrit	31.0	38.8 - 50.0 %
Platelets	480	150 - 400 x10 ³ /uL

Lipid Panel

Total Cholesterol	245	< 200 mg/dL
HDL	30	> 40 mg/dL
LDL	160	< 100 mg/dL
Triglycerides	210	< 150 mg/dL

Thyroid and Endocrine

TSH	7.5	0.4 - 4.0 mIU/L
Free T4	0.6	0.8 - 1.8 ng/dL
Hemoglobin A1C	8.3	< 5.7 %

Interpretation:

****WARNING**** Hyponatremia, hyperkalemia, elevated BUN/Creatinine - possible renal

****WARNING**** Elevated liver enzymes and bilirubin - potential liver involvement

****WARNING**** High WBC with anemia - further evaluation needed.

****WARNING**** Dyslipidemia and uncontrolled diabetes (A1C 8.3%) suggest cardiovas

Recommendations: Urgent clinical review, imaging, and specialist referral.