

Patient Information:

Name: Buzz GT

Age: 35 years

Gender: Male

Descent: Indian (South Asian)

Date: 11/26/2023

Basic Metabolic Panel (BMP):

Lab Test Results:**Basic Metabolic Panel (BMP):**

Glucose: 180 mg/dL (High - Reference: 65-139 mg/dL)

Calcium: 9.5 mg/dL (Reference: 8.6-10.2 mg/dL)

Sodium: 140 mEq/L (Reference: 135-145 mEq/L)

Potassium: 4.5 mEq/L (Reference: 3.5-5.1 mEq/L)

Bicarbonate: 24 mEq/L (Reference: 22-29 mEq/L)

Chloride: 100 mEq/L (Reference: 98-107 mEq/L)

BUN (Blood Urea Nitrogen): 15 mg/dL (Reference: 7-20 mg/dL)

Creatinine: 1.3 mg/dL (High - Reference: 0.7-1.2 mg/dL)

Lipid Panel:

Cholesterol, Total: 210 mg/dL (Reference: <170 mg/dL)

HDL Cholesterol: 35 mg/dL (Reference: >45 mg/dL)

Triglycerides: 150 mg/dL (Reference: <90 mg/dL)

LDL-Cholesterol: 160 mg/dL (Reference: <110 mg/dL)

Chol/HDL Ratio: 6.0 (Reference: <5.0)

Non-HDL Cholesterol: 175 mg/dL (Reference: <120 mg/dL)

Thyroid Stimulating Hormone (TSH):

TSH: 2.13 mIU/L (Reference: 0.50-4.30 mIU/L)

Complete Blood Count (CBC):

White Blood Cell Count: 7.6 Thousand/uL (Reference: 4.5-13.0 Thousand/uL)

Red Blood Cell Count: 5.21 Million/uL (High - Reference: 3.80-5.10 Million/uL)

Hemoglobin: 14.2 g/dL (Reference: 11.5-15.3 g/dL)

Hematocrit: 43.3% (Reference: 34.0-46.0%)

MCV: 83.1 fL (Reference: 78.0-98.0 fL)

MCH: 27.3 pg (Reference: 25.0-35.0 pg)

MCHC: 32.8 g/dL (Reference: 31.0-36.0 g/dL)

RDW: 13.1% (Reference: 11.0-15.0%)

Platelet Count: 281 Thousand/uL (Reference: 140-400 Thousand/uL)

MPV: 11.0 fL (Reference: 7.5-12.5 fL)

Absolute Neutrophils: 3671 cells/uL (Reference: 1800-8000 cells/uL)

Absolute Lymphocytes: 3162 cells/uL (Reference: 1200-5200 cells/uL)

Absolute Monocytes: 555 cells/uL (Reference: 200-900 cells/uL)

Absolute Eosinophils: 160 cells/uL (Reference: 15-500 cells/uL)
Absolute Basophils: 53 cells/uL (Reference: 0-200 cells/uL)
Neutrophils: 48.3%
Lymphocytes: 41.6%
Monocytes: 7.3%
Eosinophils: 2.1%
Basophils: 0.7%
Hemoglobin A1c:
Hemoglobin A1c: 6.8% (High - Reference: <5.7% of total Hgb)

Comprehensive Metabolic Panel (CMP):

Glucose: 180 mg/dL (High - Reference: 65-139 mg/dL)
Urea Nitrogen (BUN): 10 mg/dL (Reference: 7-20 mg/dL)
Creatinine: 1.3 mg/dL (High - Reference: 0.50-0.96 mg/dL)
eGFR: 83 mL/min/1.73m² (Reference: > OR = 60 mL/min/1.73m²)
BUN/Creatinine Ratio: 10 (Reference: 6-22)
Sodium: 138 mmol/L (Reference: 135-146 mmol/L)
Potassium: 4.3 mmol/L (Reference: 3.8-5.1 mmol/L)
Chloride: 102 mmol/L (Reference: 98-110 mmol/L)
Carbon Dioxide: 26 mmol/L (Reference: 20-32 mmol/L)
Calcium: 9.8 mg/dL (Reference: 8.9-10.4 mg/dL)
Protein, Total: 7.8 g/dL (Reference: 6.3-8.2 g/dL)
Albumin: 4.4 g/dL (Reference: 3.6-5.1 g/dL)
Globulin: 3.4 g/dL (Reference: 2.0-3.8 g/dL)
Albumin/Globulin Ratio: 1.3 (Reference: 1.0-2.5)
Bilirubin, Total: 0.6 mg/dL (Reference: 0.2-1.1 mg/dL)
Alkaline Phosphatase: 63 U/L (Reference: 36-128 U/L)
AST: 17 U/L (Reference: 12-32 U/L)
ALT: 11 U/L (Reference: 5-32 U/L)