

**Patient Information:**

Name: Jane Doe

Age: 25 years

Gender: Female

Descent: African American

Date: 10/20/2023

**Lab Test Results:****Complete Blood Count (CBC):**

White Blood Cell Count: 6.0 Thousand/uL (Reference: 4.5-11.0 Thousand/uL)

Red Blood Cell Count: 4.5 Million/uL (Reference: 3.8-5.2 Million/uL)

Hemoglobin: 13.5 g/dL (Reference: 12.0-16.0 g/dL for females)

Hematocrit: 40% (Reference: 37%-47% for females)

MCV: 89 fL (Reference: 80-100 fL)

MCH: 30 pg (Reference: 27-32 pg)

MCHC: 33.8 g/dL (Reference: 32-36 g/dL)

RDW: 13% (Reference: 11.5-14.5%)

Platelet Count: 230 Thousand/uL (Reference: 150-400 Thousand/uL)

**Basic Metabolic Panel (BMP):**

Glucose: 85 mg/dL (Reference: 65-99 mg/dL)

Calcium: 9.6 mg/dL (Reference: 8.6-10.2 mg/dL)

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

Potassium: 4.2 mEq/L (Reference: 3.5-5.1 mEq/L)

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

Chloride: 102 mEq/L (Reference: 98-107 mEq/L)

BUN (Blood Urea Nitrogen): 14 mg/dL (Reference: 6-20 mg/dL)

Creatinine: 0.9 mg/dL (Reference: 0.6-1.1 mg/dL for females)

**Lipid Panel:**

Cholesterol, Total: 220 mg/dL (High - Reference: <200 mg/dL)

HDL Cholesterol: 45 mg/dL (Lower limit of normal - Reference: >50 mg/dL for females)

LDL Cholesterol: 150 mg/dL (High - Reference: <100 mg/dL)

Triglycerides: 250 mg/dL (High - Reference: <150 mg/dL)

**Thyroid Panel:**

TSH: 2.0 mIU/L (Reference: 0.4-4.0 mIU/L)

Free T4: 1.1 ng/dL (Reference: 0.9-1.7 ng/dL)

**Comprehensive Metabolic Panel (CMP):**

Albumin: 4.7 g/dL (Reference: 3.4-5.4 g/dL)

Total Protein: 7.4 g/dL (Reference: 6.0-8.3 g/dL)

Bilirubin: 0.4 mg/dL (Reference: 0.1-1.2 mg/dL)

Alkaline Phosphatase: 75 IU/L (Reference: 39-117 IU/L)

AST (SGOT): 20 IU/L (Reference: 10-30 IU/L)

ALT (SGPT): 25 IU/L (Reference: 10-35 IU/L)