

Lab Interpretation

1) CBC- Complete Blood Count

WBC - Normal, Leukopenia, Leukocytosis
Hemoglobin/Hematocrit (Hgb/Hct), Anemia, Polycythemia
RBCs, MCV, Normocytic, Microcytic, Macrocytic
RDW, Reticulocyte count
Platelets, Thrombocytopenia, Leukemia
Pancytopenia, Left & right shifts

2) Electrolytes

Basic Metabolic Panel (BMP) sodium, chloride, potassium, glucose and CO₂
Na – Hyponatremia, hypernatremia
Chloride, Potassium – Hyperkalemia, Hypokalemia
Glucose – Hyperglycemia, Hgb A1C, Hypoglycemia
CO₂, Magnesium, Phosphorus, Calcium
CMP- BMP plus LFTs, albumin and protein

3) Renal Function Tests

Blood Urea Nitrogen (BUN), Creatinine, BUN/Cr Ratio, Glomerular Filtration Rate (GFR)

4) Cardiac Enzymes

Creatinine Kinase (CK)
CKMB, CKMM, CK BB
CK-MB & Troponins

5) Lipid Panel

Total cholesterol, LDL, HDL, Triglycerides

6) Thyroid Function Tests

TSH, T3, T4, Free T4

7) Microbiology

Urinalysis, specific gravity, pH, Nitrites, Leukocyte esterase, Protein, Ketones, Glucose
Urine culture, Stool studies/cultures, O&P, Fecal leukocytes, C-Dif
Gram Stain, Blood Cultures

8) Blood Gases (time permitting)

9) Toxicology

Salicylate toxicity, Acetaminophen, Urine Drug Screen, Blood Alcohol
Carbon Monoxide (CO)

10) Miscellaneous

Coags- PT/INR, PTT
Inflammatory Markers—CRP, ESR, Tumor Markers, PSA
Lyme Titer
Digoxin Levels
D-Dimer
EBV