Wolters Kluwer

UpToDate® Advanced

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UpToDate® Pathways | 60+ | Interactive guides to help make appropriate decisions related to specific clinical questions

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Last updated Jan 2020

Lab Interpretation | 120 | Monographs to quickly help interpret abnormal lab results and choose next steps

Chemistry Lab Monographs

- Abnormal liver panel: High alkaline phosphatase and high conjugated bilirubin in adults
- High alanine aminotransferase (ALT) or aspartate aminotransferase (AST) in adults
- High alkaline phosphatase in adults
- High amylase or high lipase in adults
- High bicarbonate in adults
- High bilirubin in adults
- High blood urea nitrogen in adults
- High brain natriuretic peptide (BNP) in adults
- High calcium in adults
- High carbon monoxide (carboxyhemoglobin) level in adults
- High chloride in adults
- High lactate in adults
- High lactic dehydrogenase (LD or LDH) in adults
- High N-terminal pro-brain natriuretic peptide in adults
- High phosphorus in adults
- High potassium in adults
- High procalcitonin in adults
- High serum creatinine in adults
- High skeletal muscle creatine kinase in adults
- High sodium in adults
- High triglycerides in adults
- High troponin in adults
- High uric acid in adults
- Lipid profile: High total cholesterol, low HDL cholesterol, high LDL cholesterol, or high triglycerides in adults
- Lipid screen: High total cholesterol or low HDL cholesterol in adults
- Low alpha-1 antitrypsin in adults
- Low bicarbonate in adults
- Low C1q in adults
- Low calcium in adults
- Low chloride in adults
- Low glucose in adults
- Low magnesium in adults
- Low phosphorus in adults
- Low potassium in adults
- Low sodium in adults
- Low total hemolytic complement (CH50) in adults
- Positive blood lead levels in adults

Coagulation Lab Monographs

- Low fibrinogen in adults
- Positive D-dimer in adults
- Low protein C in adults
- Low protein S in adults
- Positive factor V Leiden or abnormal activated protein C resistance in adults
- Prolonged PT or prolonged aPTT in adults
- Prolonged thrombin time in adults

Endocrinology Lab Monographs

- Abnormal thyroid profile: High TSH and high free T4 in adults
- Abnormal thyroid profile: High TSH and low free T4 in adults
- Abnormal thyroid profile: High TSH and normal free T4 in adults
- Abnormal thyroid profile: Low TSH and high free T4 in adults
- Abnormal thyroid profile: Low TSH and low free T4 in adults
- Abnormal thyroid profile: Low TSH and normal free T4 in adults
- High cortisol in adults
- High fractionated metanephrines (urine or plasma) in adults
- High free T4 in adults
- High FSH in women
- High glucose in adults
- High glycated hemoglobin (A1C) in adults
- High hCG (tumor marker) in men
- High insulin-like growth factor-1 in adults
- High prolactin in adults
- High renin (PRA or PRC) and high aldosterone in adults
- High renin (PRA or PRC) and low aldosterone in adults
- High serum calcium and high parathyroid hormone in adults
- High serum calcium and low or low-normal parathyroid hormone in adults
- High thyroid-stimulating hormone (TSH) in adults
- High thyrotropin receptor antibody in adults
- Low cortisol in adults
- High 17-hydroxyprogesterone in adults
- Low free T4 in adults
- Low FSH in women
- Low renin (PRA or PRC) and high (or inappropriately normal) aldosterone in adults
- Low renin (PRA or PRC) and low aldosterone in adults
- Low serum calcium and high parathyroid hormone in adults
- Low serum calcium and low or low-normal parathyroid hormone in adults
- Low testosterone in men
- Low thyroid-stimulating hormone (TSH) in adults
- Low vitamin D (25-OH vitamin D) in adults
- Normal serum calcium and high parathyroid hormone in adults
- Normal serum calcium and low parathyroid hormone in adults
- Positive hCG in women

Hematology Lab Monographs

- Abnormal iron profile: Low ferritin or low iron in adults
- Abnormal serum protein electrophoresis (SPEP) in adults
- Abnormal white blood cell count in adults
- High eosinophils in adults
- High ferritin in adults
- High hemoglobin, hematocrit in adults
- High lymphocytes in adults
- High platelet count in adults
- High reticulocytes in adults
- High white blood cell count in adults
- Low CD4 count in adults with HIV infection
- Low folate in adults
- Low haptoglobin in adults
- Low hemoglobin, hematocrit in adults
- Low lymphocytes in adults
- Low platelet count in adults
- Low vitamin B12 and low folate in adults
- Low vitamin B12 in adults
- Low white blood cell count in adults
- Positive Coombs test, direct and indirect in adults
- Positive ELISA PF4-heparin antibody in adults

Immunology Lab Monographs

- Abnormal immunoglobulin levels in adults
- Abnormal serum protein electrophoresis (SPEP) in adults
- High C-reactive protein in adults
- High erythrocyte sedimentation rate in adults
- High total immunoglobulin E in adults
- High tryptase in adults
- Low C4 and/or C3 in adults
- Positive ANCA in adults
- Positive antinuclear antibodies (ANA) in adults
- Positive Epstein-Barr virus antibodies in adults
- Positive lupus anticoagulant, anticardiolipin antibody, or anti-beta2-glycoprotein antibody in adults
- Positive rheumatoid factor (RF)

Microbiology Lab Monographs

- Positive Clostridioides (formerly Clostridium) difficile in adults
- Positive hepatitis B serology in adults
- Positive HIV screening test in adults
- Positive Lyme disease antibody in adults
- Positive or uninterpretable interferon-gamma release assay in adults
- Positive serologic tests for syphilis in adults

Tumor Marker Lab Monographs

- Elevated CA 125 in women
- High prostate specific antigen in men

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01.20 | SKU #000709