

Anemia Chart

Mechanism	Examples
Blood loss	<ul style="list-style-type: none"> • Acute (e.g., Childbirth, GI bleeding, Injuries, Surgery) • Chronic (e.g., Bladder tumors, GI tract cancer/polyps, Heavy menstrual bleeding, Kidney tumors, Ulcers)
Deficient erythropoiesis	<ul style="list-style-type: none"> • Microcytic (e.g., Anemia of chronic disease, Iron deficiency, Thalassemia) • Normochromic-normocytic (e.g., Anemia of chronic disease, Kidney disease, Endocrine failure, Myelodysplasia, Myelophthisis, Pure red blood cell aplasia, Undernutrition) • Macrocytic (e.g., Alcohol use disorder, Copper deficiency, Folate deficiency, Liver disease, Malabsorption, Myelodysplasia, Vitamin B12 deficiency)
Excessive hemolysis due to extrinsic red blood cell defects	<ul style="list-style-type: none"> • Reticuloendothelial hyperactivity with splenomegaly, Hypersplenism, Immunologic abnormalities, Cold agglutinin disease, Drug-induced, Hemolytic uremic syndrome (HUS), Paroxysmal cold hemoglobinuria, Thrombotic thrombocytopenic purpura (TTP), Warm antibody hemolytic anemia, Infection (e.g., Clostridial infections, EBV, Malaria), • Mechanical injury, Drugs/toxins (e.g., Phenazopyridine, Ribavirin, Spider bites)
Excessive hemolysis due to intrinsic red blood cell defects	<ul style="list-style-type: none"> • Membrane alterations, acquired (e.g., Acquired stomatocytosis, Hypophosphatemia) • Membrane alterations, congenital (e.g., Hereditary elliptocytosis, Hereditary spherocytosis, Hereditary stomatocytosis, Hereditary xerocytosis, Neuroacanthocytosis) • Metabolic disorders (inherited enzyme deficiencies)(e.g., Embden-Meyerhof pathway defects, G6PD deficiency, Hemoglobinopathies)

Name: _____

Results & Interpretation

Comments/Additional Notes