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| **Hematology:** - RBC Disorders: Hypo proliferative Anemias: 1. Iron Deficiency Anemia
2. Megaloblastic Anemia
3. Others

Hemolytic Anemias: 1. Membrane Disorders: Hereditary Spherocytosis, …
2. Hemoglobin Disorders: Thalassemia, Sickling Disorders, …
3. Metabolic Disorders: G6PD Deficiency, …
4. Acquired (Extrinsic): Chemical, Infectious, Immune Hemolytic Anemias

Polycythemia: 1. Relative
2. Absolute

- WBC Disorders: Non-Neoplastic Disorders: 1. Granulocytic and Monocytic Disorders
2. Lymphocytic and Plasmacytic Disorders
3. Leukemoid Reactions

Neoplastic Disorders: 1. Chronic Myeloproliferative Disorders
2. Acute Myeloid Leukemia
3. Precursor Lymphoid Neoplasms
4. Mature B Cell Neoplasms
5. Mature T Cell and NKC neoplasms
6. Hodgkin Lymphoma
7. Histiocytic and Dendritic Cell Neoplasms

 **Blood Banking**: Immunohematology: 1. RBC Antigens & Antibodies
2. Immunohematology Tests

Transfusion Medicine: 1. Blood Components
2. Pre-Transfusion Tests
3. Transfusion Reactions

**Hemostasis & Thrombosis:** Coagulation & Fibrinolysis: 1. Coagulation Protein System
2. Anticoagulation Protein System
3. Tests for Coagulation Disorders
4. Hereditary Coagulation Protein Defects: Hemophilia, …
5. Acquired Coagulation Disorders: TTP, Liver Dis, …

Platelet Disorders & vWB Disease: 1. Platelet Function Disorders: Hereditary, Acquired
2. Quantitative Platelet Disorders
3. VON WILLEBRAND Factor Disorders

Thrombotic Risk Evaluation: 1. Thrombophilic Proteins
2. Hypercoagulable State
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