

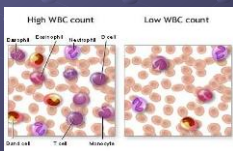
NONMALIGNANT GRANULOCYTE AND MONOCYTE DISORDERS

NEUTROPHIL DISORDERS

- Quantitative
- Qualitative and Morphological

QUANTITATIVE

- Neutrophilia
 - Immediate
 - Acute
 - Chronic
 - Conditions with Reactive Neutrophilia

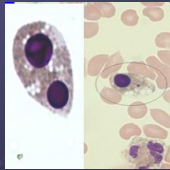
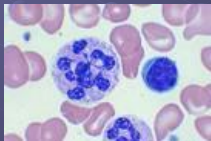


QUANTITATIVE

- Neutropenia
 - Decreased Bone Marrow Production
 - Increased Cell Loss
 - Pseudoneutropenia
 - Spurious or False Neutropenia

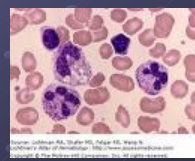
QUALITATIVE ABNORMALITIES OF NEUTROPHILS

- Nuclear
 - Pelger-Huet
 - Hypersegmentation
 - Pyknotic



QUALITATIVE ABNORMALITIES OF NEUTROPHILS

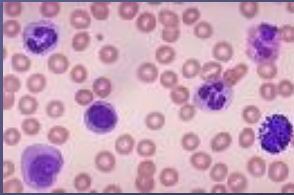
- Cytoplasmic
 - Döhle Bodies
 - Toxic Granules
 - Cytoplasmic vacuoles
 - Intercellular Organisms



QUALITATIVE ABNORMALITIES OF NEUTROPHILS

- Inherited Functional Abnormalities
 - Alder-Reilly Anomaly
 - Chediak-Higashi
 - May-Hegglin Anomaly
 - Chronic Granulomatous Disease
 - Myeloperoxidase Deficiency
 - Leukocyte Adhesion Deficiency

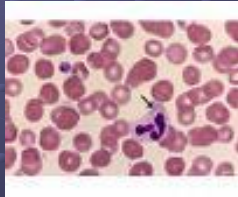
ALDER-REILLY



CHEDIAK-HIGASHI



MAY-HEGGLIN



EOSINOPHIL DISORDERS

- Reactive Eosinophilia
- Hypereosinophilia Syndrome
- Eosinopenia

BASOPHIL DISORDERS

- Basophilia

MONOCYTE/MACROPHAGE DISORDERS

- Quantitative
 - Monocytosis
 - Monocytopenia
- Qualitative
 - Gaucher
 - Niemann-Pick
 - Sea-Blue Histiocytosis
 - Miscellaneous Lipid Storage Disorders

GAUCHER



NIEMANN-PICK



SEA-BLUE HISTOCYTE