Unit 18: Disorders of Neutrophils
Learning Objectives

At the end of this unit, the student should be able to:

1. State the purpose of the granules in neutrophils.

2. Define "shift to the left".

3. Define leukemoid reaction and name the stain used to differentiate it from chronic myelogenous leukemia.

4. List 3 morphological changes that occur in neutrophils in response to infection.

5. List the phases of neutrophilic phagocytosis.

6. Define neutropenia and list 2 common causes of acquired neutropenia.

7. List 3 organisms that most commonly cause infections in neutropenic patients.

8. Define nosocomial.

9. List and describe 2 diseases associated with qualitative disorders of neutrophils.

10. List and characterize 4 white blood cell anomalies that do not involve infection, neutrophil dysfunction or altered neutrophil number.