Chapter 103: LEARNING OBJECTIVES

On completion of the chapter, the reader will be able to:

1. Characterize the modes, factors, and preventative measures associated with human immunodeficiency virus (HIV) transmission.
2. Compare and contrast the HIV epidemic in the United States versus other geographical regions.
3. Describe the molecular characteristics of the HIV virus.
4. Describe the HIV replication life cycle and sites for pharmacologic intervention.
5. Understand how HIV infection is diagnosed and monitored.
6. Recognize the clinical presentation of primary HIV infection.
7. List the scientific principles that underlie the therapeutic goals of antiretroviral therapy.
8. Compare and contrast the pharmacologic characteristics of the antiretroviral agents.
10. Compare and contrast recommended initial therapies, and describe important factors associated with therapeutic outcomes.
11. Describe antiretroviral drug resistance and understand how resistance is determined clinically.
12. Recognize special populations and scenarios in HIV care, and list important corresponding considerations for treatment.
13. Describe the principles of chemoprophylaxis of HIV infection.
14. List the general principles for managing opportunistic infections in HIV.
15. Describe the principles of managing Pneumocystis jirovecii pneumonia in HIV.
16. List complications in the ART era and describe the general approaches to managing these complications.