Chapter 18:

LEARNING OBJECTIVES

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

1. Recognize the mutation most commonly identified in this population is ΔF508.
2. Define the basic genetic defect that causes cystic fibrosis (CF).
3. Discuss the differences between classic and nonclassic clinical presentations of CF.
4. Interpret the use of the sweat chloride tests, and what values are considered abnormal.
5. List the various goals that pertain to each organ system.
6. Create an airway clearance therapy routine and discuss its components.
7. Explain the importance of antiinflammatory therapies utilized in CF.
8. List the various pathogens and their treatments that commonly colonize the airways of the CF patient.
9. Discuss the pharmacokinetic differences that apply to CF patients.
10. Identify the potential issues that older CF patients may encounter.
11. Explain the rationale behind the use of insulin for the treatment of cystic fibrosis-related diabetes (CFRD).
12. Formulate appropriate counseling regarding antibiotic therapy for the pregnant CF patient.
13. Describe the various controversial therapies for CF patients.
14. Critique new therapies being developed for the treatment of CF.
15. Discuss social and quality of life issues that impact the life of a CF patient.