Chapter 30:

LEARNING OBJECTIVES

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

1. Discuss the epidemiology of end-stage renal disease in United States.
2. Compare the use of hemodialysis (HD) and peritoneal dialysis (PD) as chronic renal replacement therapies.
3. Compare and contrast the advantages and disadvantages of HD and PD.
4. Identify the clinical factors associated with end-stage renal disease that indicate the need to initiate dialysis therapy.
5. Compare and contrast the vascular access options for initiating HD therapy.
6. Review pharmacologic and nonpharmacologic treatments for the management of intradialytic hypotension.
7. Evaluate anticoagulation prophylaxis and treatment options to maintain vascular access patency.
8. Review pharmacologic and nonpharmacologic treatments for the management of intradialytic muscle cramps.
9. Propose a treatment plan for a HD catheter-related infection.
10. Describe the procedures and supplies used for common types of PD.
11. Describe antibiotic therapy for PD-related peritonitis.
12. Describe a prophylaxis regimen for catheter-related infection in PD patients.