Chapter 81:

LEARNING OBJECTIVES

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

1. Describe the regulation of hemostasis and thrombosis.
2. Describe the pathophysiology and genetics of hemophilia and the expected bleeding manifestations based on severity level.
3. List complications of bleeding episodes from hemophilia.
4. Compare the advantages and disadvantages of plasma-derived versus recombinant factor concentrates.
5. Calculate an appropriate factor-concentrate dose, given a desired percent correction, for any given factor concentrate product.
6. Formulate treatment options for a patient with hemophilia A who is bleeding and has a high-titer inhibitor.
7. Compare and contrast on-demand versus prophylactic administration of factor concentrates.
8. Identify the hematologic disorders for which desmopressin is indicated and the known side effects.
9. Identify strategies to eradicate inhibitors in patients with hemophilia.
10. Determine the appropriate treatment regimen based on a patient’s von Willebrand variant.