A. Coagulation

1. Physiology of coagulation, fibrinolysis and the vessel wall
   c. Factor VIII
      i. Know that DDAVP increases plasma factor VIII concentration (slide 24)
      ii. Know the natural inhibitors of factor VIII (slides 22-23)
      iii. Know the function of factor VIII in coagulation (slides 12-14)
      iv. Know the consequences of a deficiency of factor VIII on the laboratory assessment of hemostasis (slides 30-32)
      v. Know the normal value of factor VIII in a newborn infant (slide 9)
      vi. Know the half-life of factor VIII (slide 9)
      vii. Know that factor VIII circulates as a complex with von Willebrand factor (slide 9)
   d. von Willebrand factor (vWF)—see section on vWD except as noted below
      i. Know the sites of synthesis, storage, and release of vWF (slide 9)
      ii. Know the platelet aggregation patterns associated with the different types of von Willebrand disease
      iii. Know the laboratory methods for measuring the concentrations, structure, and function of vWF
      iv. Know the interaction between vWF, platelets, and the vessel wall
      iv. Know the consequences of a deficiency of vWF on the laboratory assessment of hemostasis
      v. Know the factors that affect the serum concentration of vWF
      vi. Know the half-life of vWF (slide 9)