

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
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)