

## Chapter 67, Self-Assessment Questions

1. Extrinsic pathway of anticoagulation involves:
  - A. Factor XII
  - B. Factor VII
  - C. Factor IX
  - D. Factor XI
  
2. Which of the following statements is true?
  - A. Each unit of factor (F) VIII replacement administered per kilogram of body weight raises the plasma FVIII level 1% (0.01 IU/mL [10 IU/L]).
  - B. Each unit of FVIII replacement administered per kilogram of body weight raises the plasma FVIII level 2% (0.02 IU/mL [20 IU/L]).
  - C. Each unit of FIX replacement administered per kilogram of body weight yields a 0.5% rise in plasma (0.005 IU/mL [5 IU/L]) FIX level.
  - D. Each unit of FIX replacement administered per kilogram of body weight yields a 2% rise in plasma (0.02 IU/mL [20 IU/L]) FIX level.
  - E. Each unit of FIX replacement administered per kilogram of body weight yields a 3% rise in plasma (0.03 IU/mL [30 IU/L]) FIX level.
  
3. To increase the FVIII level from 0% to 80% in a 50-kg hemophiliac, \_\_\_\_\_ units of FVIII should be administered.
  - A. 500
  - B. 3000
  - C. 4000
  - D. 1600

- E. 2000
4. Which of the following is the medication of choice to control mild joint pain associated with joint destruction in patients with hemophilia?
- A. Ibuprofen
  - B. Acetaminophen
  - C. Oxycodone
  - D. Naproxen
  - E. Aminocaproic acid
5. Which of the following is the best approach to treating a nonbleeding 60-kg hemophilia patient with 3 BU/mL (3000 BU/L) of factor VIII inhibitor?
- A. 7200 mcg of recombinant factor VIIa IV every 2 hours
  - B. 4500 units of aPCC IV twice daily
  - C. Immune tolerance induction, factor VIII replacement per levels
  - D. 6000 porcine units of recombinant porcine factor VIII IV daily
  - E. 6000 units of Advate IV twice daily
6. Which of the following statements is *true* about desmopressin acetate (DDAVP) therapy in von Willebrand disease (vWD)?
- A. Due to its potential to be contaminated with viruses, solvent/detergent viral inactivation process is used.
  - B. It is less effective in vWD compared with hemophilia patients.
  - C. It can be administered as a 0.3-mcg/kg oral dose twice daily.
  - D. Administration of a test dose can predict patient's response to therapy.
  - E. The main adverse effect is hypernatremia.

7. A 30-year old patient with type 3vWD is scheduled for an intra-abdominal surgery. Which of the following products should be administered prior to surgery to control the bleeding?

- A. DDAVP
- B. Refacto
- C. Humate-P
- D. Tranexamic acid
- E. Rixubis

8. Which of the following is a typical presenting symptom for patient with thrombotic thrombocytopenic purpura (TTP)?

- A. Constipation
- B. Cough
- C. Confusion
- D. Hives
- E. Throat swelling

9. The vWD type most likely to respond to desmopressin treatment is:

- A. Type 1
- B. Type 2
- C. Type 2A
- D. Type 2B
- E. Type 3

10. For a 3-year-old boy diagnosed with idiopathic thrombocytopenic purpura (ITP), no bleeding, and platelet count of  $25,000/\text{mm}^3$  ( $25 \times 10^9/\text{L}$ ), the following is recommended:
- A. Prednisone, 1 to 1.5 mg/kg/day IV
  - B. Anti-D immunoglobulin, 75  $\mu\text{g}/\text{kg}$   $\times$  one dose
  - C. Laparoscopic splenectomy
  - D. Close monitoring, no treatment
  - E. Platelet transfusion
11. All of the following can cause TTP *except*:
- A. Rituximab
  - B. Ticlopidine
  - C. Malignancy
  - D. Bone marrow transplant
12. Which of the following interventions is the most important to decrease mortality due to TTP?
- A. Plasma exchange
  - B. Methylprednisolone
  - C. Rituximab
  - D. Alphanate
  - E. Fresh-frozen plasma
13. Adult-onset ITP:
- A. Is sudden
  - B. Affects both sexes equally
  - C. Affects women two to three times more often than men

- D. Affects men two to three times more than women
  - E. Is usually self-limiting
14. Which of the following is true regarding use of thrombopoietic growth factors in ITP?
- A. Romiplostim can be given orally twice a day
  - B. Eltrombopag is FDA approved for use in children older than 1 year of age
  - C. Use of thrombopoietic growth factors is associated with long-term sustained response
  - D. Eltrombopag has a warning on hepatic decompensation in patients with HCV infection being treated with interferon/ribavirin regimens
  - E. Romiplostim can be considered as a first-line therapy in adult patients with platelet counts less than  $30,000/\text{mm}^3$  ( $30 \times 10^9/\text{L}$ )
15. What is the mainstay of treatment for recessively inherited coagulation disorder (RICD)?
- A. Fresh-frozen plasma (FFP)
  - B. Prothrombin complex concentrates (PCCs)
  - C. Cryoprecipitate
  - D. Tranexamic acid
  - E. Platelet transfusions

## Answers to Self-Assessment Questions

1. B

2. B

3. E

4. B

5. C

6. D

7. C

8. C

9. A

10. D

11. A

12. A

13. C

14. D

15. A