Week 9 Assessment

The due date for submitting this assignment has passed. An extension is requested. Please submit the assignment.

Immune and Blood Response to Materials

1. Which of the following is the correct behavior of adjacent cells that is referred to?
   - Adhesion
   - Permeability
   - Osmosis
   - Infection

   No, the answer is incorrect.

2. Which of these factors is not part of the inflammatory response?
   - Inflammation
   - Increased capillary blood flow
   - Pain
   - Loss of function of the tissue
   - Heat and redness

   No, the answer is incorrect.

3. When does the adaptive immune response take over from the innate immune response?
   - Immediately in an mounting pathogen
   - After 6 hours
   - After 2-5 days
   - After 2-5 weeks
   - After 2-5 months

   Yes, the answer is correct.

4. What is the last stage of the healing response post-inflammation?
   - Repair
   - Suture
   - Resorption
   - Infection
   - Scarring

   Yes, the answer is correct.

5. Which of the following pathways in the coagulation cascade is activated by biomaterials?
   - Retract pathway
   - Intrinsic pathway
   - Common pathway
   - Abscess pathway
   - Latent pathway

   Yes, the answer is correct.

6. Which of the following conditions is associated with increased risk of infection?
   - Hypersensitivity
   - Hypersensitivity
   - Hypothermia
   - Hypoxia
   - Hypertension

   No, the answer is incorrect.

7. What are the strategies to prevent cell formation due to biomaterials?
   - Coating surface with carbohydrate
   - Make surface rough
   - Use treatment
   - Use surface as biomaterial
   - Use coatings

   Yes, the answer is correct.

8. Which of these is not an antigen-presenting cell?
   - Dendritic cells
   - Macrophages
   - B cells
   - T cells
   - Erythrocytes

   No, the answer is incorrect.

9. Which of the following cannot be potentially used to treat allergic?
   - Anti-histamines
   - Immunosuppressant
   - Non-steroidal anti-inflammatory drugs (NSAIDs)
   - Corticosteroids
   - Prostaglandins

   Yes, the answer is correct.

10. What is the first physiological event that happens during inflammation?
    - Influx and activation of leukocytes
    - Increase in edematous permeability
    - Neutrophils
    - Formation of new capillaries
    - Bacterial invasion

    No, the answer is incorrect.

11. Which of the following is the correct behavior of adjacent cells that is referred to?
    - Adhesion
    - Permeability
    - Osmosis
    - Infection

    No, the answer is incorrect.

12. Which of these factors is not part of the inflammatory response?
    - Inflammation
    - Increased capillary blood flow
    - Pain
    - Loss of function of the tissue
    - Heat and redness

    No, the answer is incorrect.

13. When does the adaptive immune response take over from the innate immune response?
    - Immediately in an mounting pathogen
    - After 6 hours
    - After 2-5 days
    - After 2-5 weeks
    - After 2-5 months

    Yes, the answer is correct.