

قائمة الاسئلة

مناعة - المستوى الثالث -قسم طب الاسنان - - كلية طب وجراحة الفم والاسنان - الفترة - درجة الامتحان (40)

د/ ابتهال مدار

- 1) Innate immunity is the first line of defense against pathogens.
 - 1) + true.
 - 2) false.
- 2) Acquired immunity develops after exposure to a specific antigen.
 - 1) + true.
 - 2) false.
- 3) The lymphatic system is responsible for transporting oxygen to tissues.
 - 1) true.
 - 2) + false.
- 4) B cells are primarily involved in the innate immune response.
 - 1) true.
 - 2) + false.
- 5) T cells play a crucial role in acquired immunity.
 - 1) + true.
 - 2) false.
- 6) Phagocytes are a type of white blood cell involved in innate immunity.
 - 1) + true.
 - 2) false.
- 7) The lymphatic system helps in the drainage of excess interstitial fluid.
 - 1) + true.
 - 2) false.
- 8) Antibodies are produced by macrophages.
 - 1) true
 - 2) + false
- 9) Hypersensitivity type IV reactions can occur upon first exposure to an allergen.
 - 1) true.
 - 2) + false.
- 10) The spleen is part of the lymphatic system.
 - 1) + true.
 - 2) false.
- 11) Innate immunity does not have memory.
 - 1) + true.
 - 2) false.
- 12) Cytokines are involved in cell signaling during immune responses.
 - 1) + true.
 - 2) false.
- 13) Vaccination is a method of inducing innate immunity.
 - 1) true.
 - 2) + false.
- 14) The thymus is important for the maturation of T cells.
 - 1) + true.
 - 2) false.
- 15) Natural killer cells are part of the acquired immune response.
 - 1) + true.
 - 2) false.

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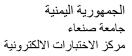
- 16) The lymphatic system is the largest part of immune system
 - 1) true.
 - 2) + false.
- 17) Allergic reactions are an example of hypertention
 - 1) true.
 - 2) + false.
- 18) Innate immunity includes only physical barriers like skin and mucous membranes.
 - 1) true.
 - 2) + false.
- 19) Anaphylaxis is a severe form of hypersensitivity reaction type II.
 - 1) + true.
 - 2) false.
- 20) Autoimmune diseases are caused by an overactive innate immune response.
 - 1) true.
 - 2) + false.
- 21) Histamines are released during a hypersensitivity reaction type IV.
 - 1) + true.
 - 2) false.
- 22) Acquired immunity can be inherited from a mother to her child.
 - 1) + true
 - 2) false.
- 23) Memory T cells are generated after the first exposure to an antigen.
 - 1) + true.
 - 2) false.
- 24) An autoimmune response occurs when the body attacks its own cells.
 - 1) + true.
 - 2) false.
- 25) The skin is considered a mechanical barrier to infection.
 - 1) + true.
 - 2) false.
- 26) Lymph fluid is the same as blood plasma.
 - 1) true.
 - 2) + false.
- 27) Cytotoxic T cells are responsible for killing infected cells.
 - 1) + true.
 - 2) false.
- 28) All immune responses are initiated by the innate immune system.
 - 1) + true.
 - 2) false.
- 29) What type of hypersensitivity reaction involves the formation of immune complexes?
 - 1) Type I hypersensitivity
 - 2) Type II hypersensitivity
 - 3) + Type III hypersensitivity
 - 4) Type IV hypersensitivity
- 30) In which type of hypersensitivity is IgE primarily involved?
 - 1) + Type I
 - 2) Type II
 - 3) Type III
 - 4) Type IV

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- 5) all of above
- 31) Which immune cell type has the ability to directly kill virus-infected cells without prior sensitization?
 - 1) CD4+ T cells
 - 2) CD8+ T cells
 - 3) B cells
 - 4) + Natural killer (NK) cells
- 32) During an anaphylactic reaction, which mediator is released rapidly by mast cells?
 - 1) Prostaglandins
 - 2) + Histamine
 - 3) Cytokines
 - 4) Leukotrienes
- The hypersensitivity reaction seen in conditions like rheumatoid arthritis and systemic lupus erythematosus is primarily classified as:
 - 1) Type I
 - 2) Type II
 - 3) + Type III
 - 4) Type IV
- 34) In type II hypersensitivity, which of the following mechanisms leads to tissue damage?
 - 1) Immune complex deposition
 - 2) + Antibody-mediated cytotoxicity
 - 3) T-cell mediated damage
 - 4) Histamine release
- What type of hypersensitivity is associated with contact dermatitis, such as that caused by poison ivy?
 - 1) Type I
 - 2) Type II
 - 3) Type III
 - 4) + Type IV
- 36) Which cell type is primarily responsible for the immediate hypersensitivity reaction to allergens?
 - 1) Mast cells
 - 2) Basophils
 - 3) + all of above
- Which of the following is a characteristic of memory T cells?
 - 1) They are short-lived and die quickly.
 - 2) + They do not require co-stimulation for activation.
 - 3) They exclusively produce antibodies.
 - 4) all of above
- 38) What is the main role of dendritic cells in the immune response?
 - 1) Phagocytosis of pathogens
 - 2) + Antigen presentation to T cells
 - 3) Production of antibodies
 - 4) Release of histamines
- 39) Which of the following is NOT a characteristic of type I hypersensitivity reactions?
 - 1) Rapid onset
 - 2) Involvement of IgE
 - 3) + Antibody-mediated cytotoxicity
 - 4) Potential for anaphylaxis
- 40) Which immune cell type is responsible for the production of perforin and granzymes to kill target cells?
 - 1) + Natural killer (NK) cells
 - 2) B cells

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- 3) Helper T cells
- 4) Neutrophils