

Athar

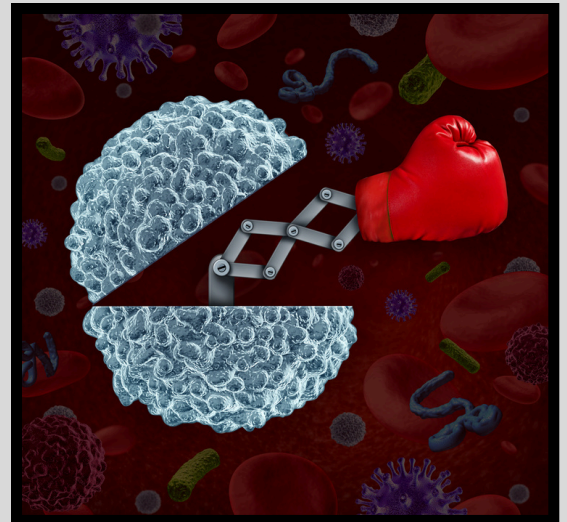
Immunology Final

Done By:

Rahaf mohammed
hadeel albtoush

Designed By :

Raneem Dmour



1. year old woman develops a red rash over her nose and cheeks after brief sun exposure. A Screening test indicates that she has an autoimmune disease. Which of the following antibodies is MOST LIKELY to be present:

- a. Anti-centromere
- b. Anti-basement membrane III
- c. Anti-igG
- d. Anti-HLA DR4
- e. Anti-HLA DR3

Answer: E

2. A child presents with a frequent infection of gram negative bacteria, Which of the following is the most likely?

- a) C3 deficiency
- b) Hereditary angioedema
- c) autoimmune disease
- d) SLE
- e) Selective IgA deficiency

Answer: A

3. Which of the following best describes the problem in Type I diseases?

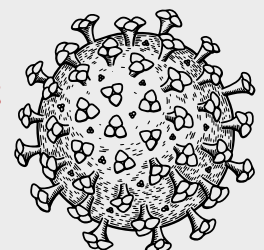
- a) Autoimmune response that abnormally stimulates tissue function.
- b) Immune deficiency disease
- c) Autoimmune response that results in tissue destruction
- d) type 2 Hypersensitivity reaction
- e) Immune complex disease

Answer: c

4) Which of the following autoimmune diseases triggered by UV light
Select on:

- a) hashimoto thyroiditis
- b) rheumatoid arthritis
- c) systemic lupus
- d) ankylosing spondylitis
- e) Addison's disease

Answer: c



5) Which one of the following autoimmune diseases is not a type IV hypersensitivity:

- a. Type 1 diabetes
- b. Hashimoto thyroiditis
- c. Multiple Sclerosis
- d. Systemic Lupus Erythematosus
- e. Rheumatoid arthritis

Answer: D

6) All of the following are autoimmune disorders except Select one:

- a) Graves disease
- b) SCID
- c) Rheumatoid arthritis
- e) SLE

Answer: B

7) Anti-CD20 used Select one:

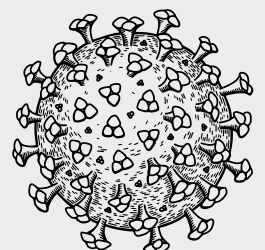
- a. in Hypersensitivity reaction
- b. in Autoimmunity
- c. in Immune deficiency
- d. to Activate B cell
- e. to Activate T cell

Answer: B

8) A mutation in the genes encoding the enzyme Bruton's tyrosine kinase (Btk) would lead to which of the following Select one:

- a) Human immuno-deficiency virus (HIV) infection
- b) Acquired immune deficiency syndrome (AIDS)
- c) Severe combined immunodeficiency (SCID) syndrome
- d) Systemic inflammatory response syndrome (SIRS, sepsis)
- e) X-linked agammaglobulinemia

Answer: E



9. Why is it used Rho Gram?

- A) treatment of RH-D antibodies against fetus from mothers
- B) treatment of TB antibodies
- C) treatment of ADIS antibodies

Answer: A

10. When to use the pneumococcal vaccine ?

- a. when we have spleen injury
- b. when we have heart injury
- c. when we have liver injury
- d. when we have stomach injury

Answer: A

11. Window of HIV???

for diagnosis of Anti-HIV antibodies

12. Acute rejection?

- a) Type 1 hypersensitivity
- b) Type 2
- c) type 3
- d) type 4
- e) type 4 and 1

Answer: D

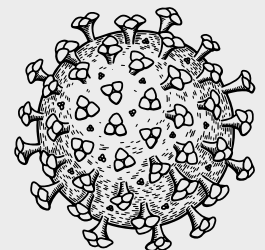
13. IL-10 is produced by

- a) TH2
- b) TH1
- c) IL-5

Answer: A

14. MLR related to ??

Detection of DNA synthesis



15. Which is incorrect about HIV binding?

- a) Primarily binds to CD4+
- b) Co-receptors are chemokines
- c) Co-receptors are CD4+
- d) Gp120 binds to CD4 and chemokine receptors
- e) Gp41 binds to the membrane envelope

Answer: C

16. B cell proliferation is caused by IL-4, 5, and 2. What type of cytokine reaction is this?

- a. Redundant
- b. Pleiotropic
- c. Synergy
- d. Antagonist

Answer: C

17. The RAST measures : select one?

- a) Antigen concentration
- b) IgE antibodies
- c) IgM antibodies
- d) IgG antibodies

Answer: B

18. what vaccine is used to treat spleen injury?

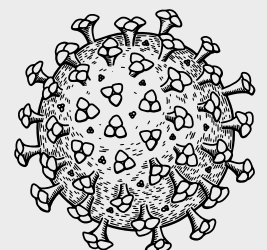
- a. Measles
- b. rubella
- c. tetanus
- d. diphtheria
- e. pneumococcal

Answer: E

19. Who is responsible for paroxysmal nocturnal haemoglobinuria?

- a) CD59
- b) C1INH
- c) C9
- d) C2, C3, C1

Answer: A



20. Who is responsible for hereditary angioedema ?

- a) CD59
- b) C1INH
- c) C9
- d) C2, C3, C1

Answer: B

21. we use the blood levels of ANA and anti-DS DNA antibody to diagnosis the

Tissue biopsy

22. What type of blotting techniques that is use in Northern blotting ??

- a) DNA
- B) RNA
- C) protein

Answer: B

23. which is related to Hyper acute rejection?

- a) type 1 hypersensitivity
- b) type 2 hypersensitivity
- c) type 3 hypersensitivity
- d) type 4 hypersensitivity

Answer: B

24. Diagnostic test of RF select one?

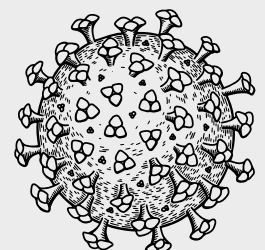
- a. Igm against fc part of IgG
- b. IgA against fc part of IgG
- c. IgE against fc part of IgG

Answer: A

25. All of these vaccine are take in the 4 months except??

- a. DaPT3 IPV3
- b. Hib3
- c. HepB3
- d. OPV
- e. hepA

Answer: E



26. Which of the following is NOT true regarding type 1 interferon:

- a. Interferon prevents infection spreading from cell to cell
- b. NK cells are activated by Interferon and lyse infected cells
- C. CD8 cells are inactivated
- d. Interferon is attacking viral proteins
- e. Stimulate the expression of IL-12

Answer: C

27. All of the following are true about immune-complex mediated type III hypersensitivity except Select one:

- a) immune-complex can formed by serum products.
- b) Tissue damage can be caused by complement activation.
- c) Includes the Arthus reaction.
- d) Requires cytotoxic T cells.
- e) Damage caused by neutrophils and platelets

Answer: D

28) A transfusion reaction due to being given the wrong blood type is which of the following types of hypersensitivity reactions?

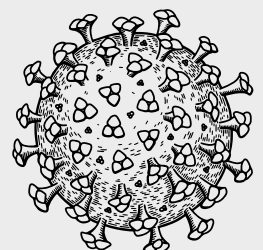
- a) Type I hypersensitivity.
- b) Type II hypersensitivity.
- c) Type III hypersensitivity.
- d) Type IV hypersensitivity.
- e) Type 5 hypersensitivity.

Answer: B

29) If adenosine deaminase deficiency occurs, which of the following is true? Select one:

- a. T cells will be absent but B and NK cells will be present
- b. T and B cells will be absent but NK cells will be present
- C. B cells will be absent but T and NK cells will be present
- d. B and NK cells will be present but T cells will be absent
- e. B, T, and NK cells will be absent

Answer: E



30 Granzyme is all except Select one:

- a. Produced by CD8 Cells
- b. Produced by NK cells
- c. Used by CD8 cells to kill pathogen directly
- d. Used by CD8 cells to kil infected cell directly
- e. Activate apoptosis inside the target

Answer: C

