

Immunology

Archive

Lecture 10

Medical card .

Name _____

Date of b

Gender _____

Address _____

Date of call _____

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1. mutation in Fas ligand lead to

- A- oncogenesis
- B- immunodeficiency
- C- autoimmune disease

Answer: C

2. renal basement membrane defects due to

- A- idiopathic thrombocyte purpura
- B- good pastures syndrome
- C- vitiligo

Answer: B

3. one of the following diseases is type 2&3 hypersensitivity reaction

- A- lupus
- B- type 1 diabetic
- C- romantic fever
- D- ulcerative colitis
- E- Crohn's disease

Answer: A

4. one of the following is true regarding Rheumatoid arthritis

- A- Rheumatoid factor presence for diagnosis
- B- anti IFN -alpha treatment

Answer: A

5. Rheumatic fever all correct except

- A- Streptococcus pyogenes infection
- B- Systematic
- C- only Rheumatic factor

Answer: C

6. which of the following is Type 2&3 hypersensitivity?

Answer: SLE (Systemic Lupus Erythematosus)

7. All of the following are autoimmune disorders except Select one:

- a) Graves disease
- b) SCID
- c) Rheumatoid arthritis
- d) crohn's disease
- e) SLE

Answer: B

8. Rheumatoid arthritis mostly occur in individuals carrying Select one:

- a) HLA-DR4 gene (HLA-human leucocyte antigen)
- b) HLA-DR1 gene
- c) HLA-DR3 gene
- d) HLA-DR2 gene
- e) HLA-DR5 gene

Answer: A

9. CTLA-4 gene mutation leads to Select one:

- a) Hypersensitivity
- b) auto-immune diseases
- c) immunodeficiency
- d) tolerance
- e) immune surveillance

Answer: B

10. A patient presents for a follow-up visit after a diagnosis of systemic lupus erythematosus (SLE). Which of the following is the most likely?

Select one:

- a) C4 gene mutation
- b) C5-C9 deficiency
- c) Early neutrophils deficiency
- d) Hyper IgM syndrome (HIM)
- e) Selective IgA deficiency

Answer: A

11. In MS, we have CD4+ involvement; which one is expected: Select one:

- a) IL-2, IL-4, IF-gamma
- b) TGF-B
- c) TNF alpha
- d) IL-4, IL-5
- e) IL-10

Answer: c

12. Which of the following are type 3 and 4 hypersensitivity reaction? Select one:

- a) hashimoto thyroiditis
- b) rheumatoid arthritis
- c) systemic lupus
- d) type 1 diabetes
- e) Acute transplant rejection

Answer: B

13. Case: a patient with various lung symptoms and has anti-glomeruli basement membrane antibodies:

Select one:

- a) Graves disease
- b) pemphigus disease
- c) Rheumatoid arthritis
- d) Goodpasture syndrome
- e) chronic granulomatous disease

Answer: D

14. Which of the following is used to identify autoantibodies as ANA? Select one

- Aa. ELISA (Enzyme-linked immunosorbent assay)
- b. fluorescent microscope
- c. confocal microscope
- d. Western blotting (immunoblotting)
- e. flow cytometer

Answer: B

15. Anti-CD20 is 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

16. Tolerance is induced by: Select one:

- a) Loss of fas expression
- b) Loss of fasL expression
- c) AIRE gene mutation
- d) C4 gene mutation
- e) Soluble CTLA-4

Answer: E

17. 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

18. A 20-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

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19. tolerance is induced by :

- A. loss of fas expression.
- B. loss of fasL expression
- C. AIRE gene mutation
- D. C4 gene mutation
- E. soluble CTLA-4

Answer: E

20. 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

21.3 All of the following are autoimmune disorders except Select one:

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

Answer: B

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

Answer: biopsy

23. 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

24. Which of the following is used to identify autoantibodies as ANA :

- a. ELISA (Enzyme-linked immunosorbent assay)
- b. Fluorescent microscope
- c. confocal microscope
- d. Western blotting (immunoblotting)
- e. flow cytometer

Answer: b