

Immunology

Archive

Lecture 4

Medical card .

Name _____

Date of b _____

Gender _____

Address _____

Date of call _____

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1. All the following opsonins except?

- A. C3a
- B. C3b
- C. C5b

Answer: A

2. Which one of these options creates C5 convertase?

- A) C3bBb
- B) C4b2a
- C) C2b4b3b
- D) C4b2a3b

answer : c

3. Which one of these complement proteins causes chemotaxis?

- a) C5b
- b) C7
- c) C3a
- d) C9

Answer: c

4. What is correct about C3b?

- a) Causes cell lysis
- B) Opsonization of antigen
- C) triggers immunization
- d) Induces chemotaxis

Answer: b

5. Complement proteins work by..

... Select one:

- a) neutralization of antigens
- b) creating an impermeable barrier
- c) phagocytosis of target cells
- d) forming pores in the membranes of target cells
- e) producing

Answer: D

6. Which of the following is not involved in first line defense? Select one of

- a) Mucus membranes
- b) Saliva
- C) Tears
- d) Antibodies
- e) Epidermis

Answer: D

7. A complement component which is strongly chemotactic for neutrophils is

Select one

- a) C9
- b) C5a
- c) C3
- d) C3b
- e) C5

Answer: B

8. The initial complement component that is bound by complement-fixing, antibodies is Select one

- b) C1s
- d) C5a
- e) C9

Answer: A

9. The classical and alternative pathways meet at complement component Select one

- a) C4
- b) C4b
- c) Factor D.
- d) C5
- e) C3

Answer: E

10. Complements that act as anaphylatoxins

- a) c_a and c_{5a}
- b) c_{3b} and c_{4b}
- c) c_{3d} and c_{3b}
- d) c_{4b} and c_{2b}
- e) c₅₋₈

Answer: A

11. Complement component C3 in alternative pathway is cleaved by

Select one:

- a) C3b
- b) C3bBb
- c) Factor B
- d) Simultaneously by antigen
- e) Simultaneously by antigen and antibody

Answer: B

12. Classical complement pathway are all true except

Select one

- a) Is an effector arm of adaptive immunity
- b) Opsonizes bacteria
- c) Produce chemotactic and anaphylatoxin
- d) Directly activated by bacteria
- e) Is firstly discovered

Answer: D

12. Paroxysmal nocturnal hemoglobinuria results from deficiency in:

Select one:

- a) Myeloperoxidase
- b) Decay accelerating factor. (DAF)
- c) Classical pathway C components
- d) C1 inhibitor
- e) CD59

Answer: E

13. A lectin pathway in complement activation is all of the following except:

Select one:

- a) C3 convertase is the same as in classical pathway
- b) Depend on antigen-antibody binding as classical pathway (classical **just**)
- c) Involve C2 activation
- d) Involves C3b
- e) Involves C5b

Answer: B

14. Anaphylatoxins C3a and C5a do their function by:

- a) Binding their receptors on mast cells
- b) Binding their receptors on endothelial cells
- c) Binding their receptors on B cells
- d) Binding their receptors on DCs

Answer: A

15. Complement component C3 in alternative pathway is cleaved by

Select one:

- a) C3b
- b) C3bBb
- c) Factor B
- d) Simultaneously by antigen
- e) Simultaneously by antigen and antibody

Answer: B

16. Classical complement pathway are all true except

Select one

- a) Is an effector arm of adaptive immunity
- b) Opsonizes bacteria
- c) Produce chemotactic and anaphylatoxin
- d) Directly activated by bacteria
- e) Is firstly discovered

Answer: D

