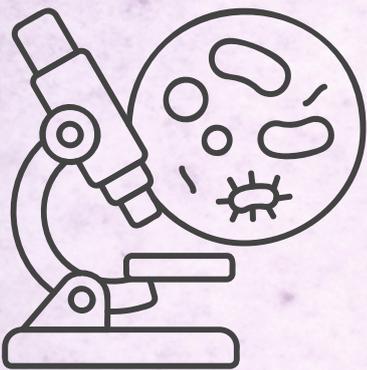


# QUIZ TIME

Pathology

Done by : Lemar Mustafa

Lec: 4+5



The first vascular response to injury is:

- A) slowing of the circulation
- B) venular dilation
- C) Recruitment of vascular beds
- D) Capillary engorgement
- E) Arteriolar vasoconstriction

Ans: E

Vascular changes in acute inflammation include:

- a) Slowing of the circulation leading to leukocyte margination
- b) Initial transient vasodilation of arterioles
- c) Decreased hydrostatic pressure caused by vasodilation
- d) Leakage of high protein fluid into vessels
- e) Increase osmotic pressure within vessels

Ans: A

In acute inflammation, which is the correct sequence of events with regard to vascular flow and caliber?

- a) Vasodilation, margination, stasis, vasoconstriction
- b) Vasoconstriction, stasis, margination, vasodilation
- c) Vasodilation, stasis, vasoconstriction, margination
- d) Vasoconstriction, vasodilation, stasis, margination

Ans: d

Which of these is not a clinical feature of inflammation?

- a) Redness
- b) Necrosis
- c) Pain
- d) Heat

Ans: B

What is the name for the protein-rich extravascular fluid produced in inflammation?

- a) Transudate
- b) Blood
- c) Pus
- d) Exudates

Ans: D

Which of the following is not a function of the inflammatory fluid exudate?

- a) Dilution of toxins to reduce their harmful effects on cells
- b) Formation of a fibrin network that helps localize infection
- c) Destruction of fibroblasts to prevent tissue repair
- d) Transport of antibodies to the site of inflammation

Ans: C

What is the term used to describe the process in which leukocytes move to the periphery of blood vessels and adhere to the endothelial wall due to stasis?

- a) Diapedesis
- b) Chemotaxis
- c) Margination
- d) Phagocytosis

Ans:C

During the rolling phase of leukocyte migration, which of the following is correct?

- A) Leukocytes permanently attach to the endothelium via integrins
- B) Leukocytes transiently stick to endothelial cells via P-selectin and E-selectin
- C) Leukocytes directly cross the endothelium without adhesion
- D) Leukocytes are destroyed by endothelial cells

Ans:B

Chemotactic factor may include the following except:

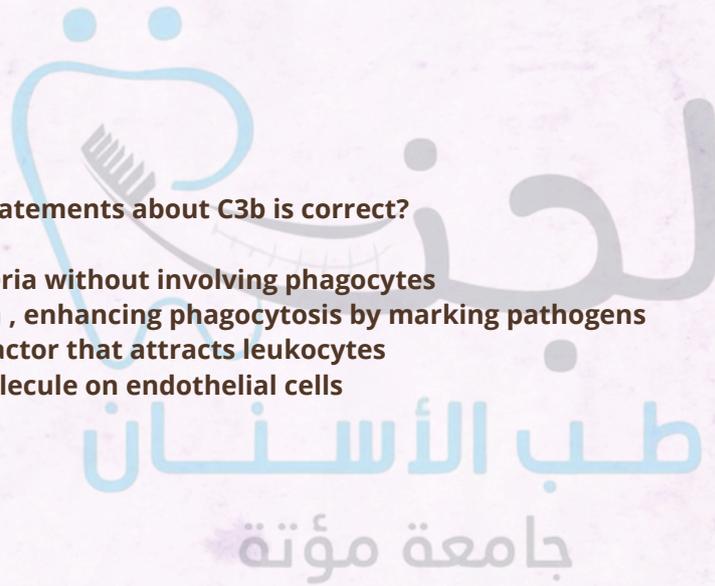
- A) leukotriene B4
- B) cytokines
- C) Nitric oxide
- D) Bacterial products

Ans:C

Which of the following statements about C3b is correct?

- A) C3b directly kills bacteria without involving phagocytes
- B) C3b acts as an opsonin , enhancing phagocytosis by marking pathogens
- C) C3b is a chemotactic factor that attracts leukocytes
- D) C3b is an adhesion molecule on endothelial cells

Ans:B



لَا إِلَهَ إِلَّا أَنْتَ

سُبْحَانَكَ إِنِّي كُنْتُ مِنَ الظَّالِمِينَ

