

Pathology MCQs Week 3

1. Platelet activating factor causes all of the following EXCEPT:

- Answer A Bronchoconstriction
- Answer B Fever
- Answer C Vasoconstriction
- Answer D Leukocyte chemotaxis
- Answer E Increased vascular permeability

2. With regard to acute inflammation which of the following is FALSE?

- Answer A Pavementing of leukocytes must occur.
- Answer B The loss of protein from plasma reduces intravascular osmotic pressure.
- Answer C Transmigration of leukocytes occurs as a result of pseudopod formation.
- Answer D P-selectin is found in Weibel-palade bodies.
- Answer E Leukocyte diapedesis occurs predominantly in the venules.

3. Which of the following statements about angiogenesis is FALSE?

- Answer A PDGF selectively induces hyperplasia of lymphatic tissue
- Answer B New vessels bud from pre-existing vessels.
- Answer C There is proteolytic degradation of the parent vessel basement membrane.
- Answer D New vessels are leaky due to incompletely formed inter-endothelial junctions.
- Answer E VEGF receptors are largely restricted to endothelial cells.

4. In the mononuclear phagocyte system:

- Answer A Aggregations of macrophages in the kidney are known as Kupffer cells.
- Answer B The life span of tissue macrophages is about three days.
- Answer C The half-life of blood monocytes is about one month.
- Answer D Chemotactic stimuli for monocytes include C5a and certain growth factors.
- Answer E Monocytes transform into smaller macrophages when they reach extravascular tissue.

5. In primary wound healing:

- Answer A Macrophage infiltration occurs at 24hrs
- Answer B Wound strength is 25% of normal at the end of first week
- Answer C Type I collagen is replaced by type III collagen
- Answer D Neovascularisation is maximal at day five
- Answer E All of the above

Answers

Pathology Week 3

1. B
2. A
3. A
4. D
5. D