

CVS-Histology

Archive

Lecture2 + 3

the vascular system 1+2

Collected By:
Dema Alqaralleh

Corrected By:
Anonymous

1) Which of the following is incorrect concerning cardiac muscle?

- A) Cardiac cells are smaller than skeletal muscle cells
- B) Electrical communication between cardiac cells is maintained via gap junctions, which are specialized
- C) Mechanical attachment of cardiac cells is at the intercalated disc
- D) The spread of excitation through the heart muscle is 3-dimensional
- E) Transverse tubules are larger in skeletal muscle than in heart muscle allowing more diffusion of Ca^{2+} into the interior of the cell

Answer: E

2) All of the followings are correct regarding cardiac valves EXCEPT:

- A) Inflammation of the valve is called pericarditis
- B) They insert into fibrous trigone
- C) They have collagen fibers and elastic fibers
- D) They are surrounded by endothelium

Answer: A

3) Which of the following is NOT a component of intercalated disk?

- A) Terminal cisternae
- B) Desmosomes
- C) Macula adherens

Answer: A

4) Which of the following is true about the cardiac cell?

- A) Has multiple large mitochondria
- B) Peripheral nuclei
- C) High lipid content
- D) Triad at A-I line
- E) Diad at A line

Answer: A

5) Blood vessels of the heart are in:

- A) Endocardium
- B) Tunica intima
- C) Epicardium
- D) Tunica adventitia

Answer: C

6) Which blood vessel is the principal site for exchange of materials and leukocyte migration (diapedesis) during inflammation?

- A) Arteriole
- B) Capillary
- C) Post-capillary venule
- D) Muscular venule

Answer: C

7) Which of the following statements about blood vessels is WRONG?

- A) The tunica media is the thickest layer in muscular arteries.
- B) Capillaries consist of a single layer of endothelial cells to facilitate exchange.
- C) The tunica intima is the innermost layer of all blood vessels.
- D) The tunica adventitia is the thickest layer in the vena cava relative to other blood vessels.
- E) Veins have valves to prevent the backflow of blood.

Answer: D

8) Which of the following statements about capillary types and locations is INCORRECT?

- A) Continuous capillaries: Muscle
- B) Fenestrated capillaries: Intestine
- C) Sinusoidal capillaries: Endocrine glands
- D) Visceral capillaries: Renal glomeruli
- E) Somatic capillaries: Spleen

Answer: E