

# CVS-Histology

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Lecture 1

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# CVS-Histology

## Lecture 1

1. Each of the following is true regarding the tunica intima Except?

- a. It is the innermost layers of the vascular wall of large arteries
- b. It generally contains a single layer of flattened endothelium cells
- c. In elastic arteries it contains subendothelial C.T
- d. In large muscular arteries it contains an internal elastic membrane
- e. In large veins ,it contains a system of vessels termed the vasa vasorum

Answer.e

2. One of the following is INCORRECTLY matched ? Select one:

- a. Superior vena cava ===== thick tunica media with lots of smooth muscle
- b. Carotid artery ===== the thickest tunica intima
- c. Superior vena cava =====: the thickest adventitia
- d. Pulmonary artery ===== concentric lamellae of elastic fibers
- e. Inferior vena cava ===== bundles of longitudinal smooth muscle

Answer.a

3. One of the following is CORRECTLY matched ? Select one :

- a. Capillaries ===== endothelium. basal lamina and Pericytes
- b. Pinocytotic vesicles===== phagocytic function
- c. Continuous capillaries===== complete layer of Pericytes
- d. Fenestrated capillaries===== blood-brain-barrier

Answer.a

4. THE ARTERIOLES ARE ? SELECT ONE:

- a. Elastic vessels
- b. Exchange vessels
- C.resistence vessels

Answer.c

5. Which of the following is a wide and leaky capillary?

- a. Continues capillary
- b.fenestrated capillary
- C . sinusoid capillary

Answer.c

6. what is artery with prominent internal elastic lamina and external elastic lamina

- a. Muscular
- b. Elastic

Answer.a

7. Pericytes

In capillary and precaution

8. The blood vessel that has superior permeability is

- a. artery
- b. arteriole
- c. sinusoid

Answer.c

9. Arterioles is resistance vessels

10. Arterioles are?

- A. Superior permeability
- B. have prominent external elastic lamina
- C. With slowest blood velocity
- D. Resistance vessels

.Answer: D

11. Portal venous system is found in?

- A. muscle
- B. liver
- C. brain
- D. in all tissues
- E. no correct answer

Answer: B. liver

**52. True about elastic large artery ?**

- A. contain weibel body in endothelium
- B. prominent internal elastic lamina
- C. few vasa vasorum
- D. Outer longitudinal muscle layer

**Answer: A. contain weibel body in endothelium**

**53. Blood vessels of heart in ?**

- A. endocardium
- B. tunica intima
- C. epicardium
- D. myocardium
- E. tunica Adventia

**Answer: C. epicardium**

**Sphincter located in the beginning of ?**

**True capillaries**



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Lecture 2

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# CVS-Histology

## Lecture 2

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

**6. Blood vessels of heart in ?**

- A. endocardium
- B. tunica intima
- C. epicardium
- E. tunica Adventia

Answer:c

**All of the following are correct regarding cardiac valves ,except?**

- A. Inflammation of the valves 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

**One of the following is CORRECTLY matched?**

- a. Saphenous vein=====Weibel-Palade bodies
- b. Basilar artery ===== longitudinal smooth muscles
- c. Basilar artery ===== less prominent internal elastic lamina
- d. Saphenous vein ===== boundaries between intima and media is not clear
- e. Basilar artery===== thinner and little

answer: d

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

Which of the following is not a component of intercalated disk?

- a. Terminal cisternae
- b. Desmosomes
- c. Macula adherens

Answer: a

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