

Cardiovascular system. Questions for control.

I. General questions

1. Characterize greater and lesser circulation.
2. From what cavities of heart and with what vessels the lesser circulation begins and finishes?
3. What regularities of distribution of arteries and veins in a human body do you know?
4. What types of arterial and venous anastomoses do you know? Give examples
5. Structure of the sectors of microcirculation?
6. Give examples of arterial and venous rete mirabiles.

II. Heart

1. Describe the topography of the heart.
2. Describe the surfaces of the heart.
3. Describe the borders of the heart.
4. Name the sulci of the heart.
5. Characterize the structure of heart's chambers.
6. Structure of the heart walls.
7. What types of valves do you know? Their structure and location.
8. Show the projection of the heart's valves and semilunar valves on the chest wall.
9. Conduction system of the heart.
10. Name the phases of cardiac cycle and give characteristic for each phase
11. Development of the heart.
12. Specific features of blood circulation of the foetus.
13. What congenital heart diseases do you know?
14. Serous and fibrous pericardium.
15. Name the sinuses of the pericardium.

III. Arteries

1. What types of arteries (wall structure) do you know? What are their differences?
2. Name the parts of aorta. List the branches of the ascending part and aortic arch.
3. What parts of internal carotid artery according to topography do you know? Name the branches of the internal carotid artery.
4. Blood supply of the orbit?
5. The circle of Willis.
6. What are the groups of the branches of the external carotid artery? Name the branches of external carotid artery.
7. List the anterior branches of the external carotid artery.

8. Describe the course of the facial artery.
9. The maxillary artery.
10. The subclavian artery.
11. Characterize the branches and the anastomoses of the vertebral artery.
12. Truncus thyrocervicalis.
13. Parietal and visceral branches of the thoracic aorta.
14. The brachial artery.
15. What arteries form the cubital anastomosis? Superficial and deep palmar arches of the hand.
16. Name the parietal and the visceral branches of abdominal aorta.
17. List the branches of the internal iliac artery.
18. Branches of the femoral artery. Genicular anastomosis.
19. Blood supply of the leg and foot?
20. Describe main stages of the development of the arteries. What anomalies of their development do you know?
21. Roots and influents of the inferior vena cava.
7. Main venous plexuses of the pelvic organs.
8. From what organs does the portal vein gathers blood? Name its roots.
9. Name and give the characteristic of the main porto-caval anastomoses.
10. Name and give the characteristic of the main cava-caval anastomoses.
11. How does form and where flows the cephalic and basilic veins?
12. How does form and where flows the long and short saphenous veins?
13. Describe main stages of the development of the veins. What anomalies of their development do you know?

IV. Lymphatic system

1. All parts of lymph passage. Their characteristic.
2. Lymphatic trunks and ducts. Regions of their drainage.
3. Main principles of lymphatic nodes classification.
4. Classification of lymphatic nodes.
5. Main groups of head and neck lymphatic nodes.
6. Lymphatic nodes of thoracic and abdominal cavities.
7. Describe the location of the lymphatic nodes in the upper and lower extremities.
8. Where does the lymph outflows from the organs of the thorax?
9. Where does the lymph outflows from the large intestine?
10. Where does the lymph outflows from the mammary gland?

V. Blood supply of inner organs

11. Blood supply of the eyeball.
12. Blood supply of the lacrimal gland.
13. Blood supply of the external ear.

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14. Blood supply of the middle ear.
1. Blood supply of the tongue.
2. Blood supply of the teeth.
3. Blood supply of salivary glands.
4. Blood supply of the pharynx.
5. Blood supply of the esophagus.
6. Blood supply of the stomach.
7. Blood supply of the liver.
8. Blood supply of the gallbladder.
9. Blood supply of the pancreas.
10. Blood supply of the spleen.
11. Blood supply of the duodenum.
12. Blood supply of the small intestine.
13. Blood supply of the caecum and vermiform process.
14. Blood supply of the ileum.
15. Blood supply of the rectum.
16. Blood supply of the nasal cavity.
17. Blood supply of the larynx.
18. Blood supply of the trachea.
19. Blood supply of the bronchi.
20. Blood supply of the lungs.
21. Blood supply of the suprarenal gland.
22. Blood supply of the kidney.
23. Blood supply of the urinary bladder.
24. Blood supply of the ureter.
25. Blood supply of the ovaries and testicles.
26. Blood supply of the uterus and uterine tubes.
27. Blood supply of the vagina.
28. Blood supply of the clitoris.
29. Blood supply of the prostate.
30. Blood supply of the external genital organs (penis, labia majora and labia minora).
31. Blood supply of the heart.
32. Blood supply of the spinal cord and its meninges.
33. Blood supply of the brain and its meninges.
34. Blood supply of the hypophysis.
35. Blood supply of the thyroid gland.