

**Cardiovascular system. Questions for control.**

**I. Heart**

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

**II. Arteries**

1. What parts of internal carotid artery according to topography do you know? Name the branches of the internal carotid artery.
2. Blood supply for the orbit?
3. The circle of Willis. Draw it and describe.
4. What branches of external carotid artery do you know? Name and describe anterior branches. What do they supply?
5. What branches of external carotid artery do you know? Name and describe posterior branches. What do they supply?
6. What branches of external carotid artery do you know? Name and describe terminal branches. What do they supply?
7. Describe the course of the facial artery. Describe branches and anastomoses of the facial artery.
8. The maxillary artery.
9. The subclavian artery.
10. Characterize the branches and the anastomoses of the vertebral artery.
11. Truncus thyrocervicalis.
12. Name and describe branches of the brachial artery.
13. What arteries form the cubital anastomosis?
14. Describe the formation of the superficial and deep palmar arches of the hand.
15. List the branches of the internal iliac artery.
16. Branches of the femoral artery.
17. What arteries form the genicular anastomosis.

18. Blood supply for the leg and foot?

**III. Veins**

1. Roots and influents of the superior vena cava.
2. Describe extracranial influents of internal jugular vein.
3. Influents of azygos and hemiazygos veins.
4. Roots and influents of the inferior vena cava.
5. Main venous plexuses of the pelvic organs.
6. From what organs does the portal vein gathers blood? Name its roots.
7. Name and give the characteristic of the main porto-caval anastomoses.
8. Name and give the characteristic of the main cava-caval anastomoses.
9. How does form and where flows the cephalic and basilic veins?
10. How does form and where flows the long and short saphenous veins?

**IV. Lymphatic system**

1. Name 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?