

LIST OF THE QUESTIONS FOR FINAL MODULAR CONTROL

“Pathophysiology of organs and systems”

1. Disorders of the whole blood volume: classification, reasons and mechanisms of development. Etiology and pathogenesis of hemorrhage.
2. Polycythemias: determination of conception, types, its etiology and pathogenesis.
3. Anemias: determination of conception, principles of classification. Regenerative, degenerative, pathological forms of the erythrocytes.
4. Posthemorrhagic anemias: types, reasons, pathogenesis, blood picture.
5. Hemolytic anemias: classification, reasons and mechanisms of erythrocytes' hemolysis. Clinic and hemolytic characteristics of different types of hemolytic anemias.
6. Iron-deficient anemias: reasons and mechanisms of development, typical changes of peripheral blood, pathogenesis of the main clinic displays. Iron-refractory anemias.
7. Hemolytic characteristic of B12-folic anemia: etiology and pathogenesis.
8. Leukocytosis: : types, reasons and mechanisms of development. Attendant nuclear shift of neutrophil granulocytes. Leukemoid reactions.
9. Leukopenias: types, reasons and mechanisms of development. Agranulocytosis. Granulopenia.
10. Leucoses: determination of conception, principles of classification. Etiology. Disorders of the cellular content of bone marrow and peripheral blood at acute and chronic leucoses. Pathogenesis of leucoses: tumor progression, metastasis, system disorders. Principles of diagnostics and therapy of leucoses.
11. Disorders of vaso-thrombocyte hemostasis. Etiology and pathogenesis of angiopathy, thrombocytopathy, thrombocytopenia.
12. Coagulatory hemostasis insufficiency. Reasons and mechanisms of disorders of separate stages of blood coagulation.
13. DIC-syndrome: etiology, pathogenesis and clinic displays. Role in the pathology of other systems.
14. Blood circulation insufficiency: determination of conception, principles of classification, reasons and mechanisms of development of coronary and coronal insufficiency. Pathogenesis of main clinic displays of chronic cardiac insufficiency.
15. Reasons of cardiac overwork with volume and opposition. Mechanisms of urgent and long-term adaptation of heart to overworks. Heart hypertrophy: pathogenesis, features of myocardium hypertrophy.
16. Myocardial insufficiency of heart: etiology, pathogenesis of non-coronary myocardium injury.

17. Cardiomyopathy: determination of conception, principles of classification, etiology and pathogenesis.
18. Coronal blood circulation insufficiency: reasons and mechanisms of development. Mechanisms of ischemic and reperfusion injury of cardiac hystiocyte.
19. Ischemic heart disease: types, etiology and pathogenesis. Cardiac infarction.
20. Arrhythmias of heart: reasons and mechanisms of disorders of automatism, excitability and conductivity.
21. Arterial hypertension: determination of conception, principles of classification. Primary and secondary arterial hypertension. Hemodynamic variants.
22. Reasons and mechanisms of development of secondary arterial hyperemia.
23. Hypertension of lesser circulation (primary and secondary). Reasons and mechanisms of development.
24. Arterial hypotension. Etiology and pathogenesis of acute and chronical arterial hypotensions.
25. Atherosclerosis: etiology, risk factors, pathogenesis.
26. External respiration insufficiency: pathogenesis of the main clinic displays. Breathlessness: types, reasons and mechanisms of development.
27. Disorders of alveolar ventilation: reasons and mechanisms of pathological respiration.
28. Obstructive and restructive mechanisms of external respiration development.
29. Reasons and mechanisms of disorders of digestion in oral cavity: etiology, pathogenesis.
30. General characteristics of disorders of motor and secretory functions of stomach. Pathological gastric secretion, its types. The role of nervous and humoral mechanisms in secretion disorders.
31. Etiology and pathogenesis of stomach and duodenal ulcer.
32. Disorders of cavernous digestion in the intestines: reasons, mechanisms, displays.
33. Pancreatitis: types, reasons, pathogenesis of acute pancreatitis.
34. Disorders of absorption. Reasons and mechanisms of malabsorption, pathogenesis of main clinic displays.
35. Intestinal obstruction: types, etiology and pathogenesis.
36. Hepatic insufficiency: determination of conception, principles of classification, reasons of origin.
37. Typical disorders of metabolism and systemic disorders in the organism in case of hepatic insufficiency.
38. Reasons, mechanisms, clinic displays of liver's antitoxic function insufficiency. Pathogenesis of hepatic coma.
39. Excretory hepatic function insufficiency: reasons, mechanisms, clinic displays. Disorders of bile pigments metabolism at different types of jaundice. Cholemic and acholic syndromes.
40. Disorders of hemodinamic function of liver. Syndrome of portal hypertension: reasons, mechanisms, clinic displays.
41. Reasons and mechanisms of disorders of processes of filtration, reabsorption and secretion in kidneys.
42. Reasons and mechanisms of development of quantitative and qualitative changes of urine composition.

43. Syndrome of acute renal insufficiency: determination, reasons and mechanisms of development, clinic displays. Nephrotic syndrome.

44. Syndrome of chronic renal insufficiency: determination, reasons and mechanisms of development. Pathogenesis of uraemic coma.

45. General displays of renal functions insufficiency. Edemata pathogenesis.

46. Glomerulonephritis: determination, principles of classification. Etiology and pathogenesis of diffuse glomerulonephritis.

47. General characteristic of nervous system pathology, principles of classification of its functioning disorders.

48. Disorders of sensory function of nervous system.

49. Pain. Principles of classification. Modern notion about reasons and mechanisms of pain development. Pathological pain.

50. Disorders of motor function of nervous system. Peripheral and central paralyses and pareses: reasons, mechanisms, displays.

51. Disorders of vegetative functions of nervous system. Syndrome of vegetovascular dystonia.

52. Disorders of trophic function of nervous system. Neurogenous dystrophy. Structural, functional and biochemical changes in denervated organs and tissues.

53. Acute and chronic disturbances of cerebral blood circulation. Stroke. Edema of the brain. Intracranial hypertension.

54. Reasons and mechanisms of disorders of electrophysiological processes in neurons. Mechanisms of pathological excitation and pathological inhibition of nervous centers.