

VOLGOGRAD STATE
MEDICAL UNIVERSITY
Department of Pathological Anatomy

Questions for the final lesson on the topics:

“Atherosclerosis and arteriosclerosis. Hypertonic disease and arteriolosclerosis. Heart diseases. Ischemic Heart disease. Pathology of heart valves, disease of myocardium. Rheumatic diseases. Endocarditis. Heart failures. Vasculitis”

1. Atherosclerosis and arteriosclerosis. Hypertonic disease and arteriolosclerosis. Heart diseases. Ischemic Heart disease. Cerebral infarction (stroke). Intracranial hemorrhage. Pathology of heart valves, disease of myocardium. Rheumatic disease. Endocarditis. Heart failures. Vasculitis.

Endocarditis. Bacterial (septic) endocarditis. Fibroplastic parietal endocarditis with eosinophilia. Reasons, mechanism of the development, morphology, outcomes.

Myocarditis. Idiopathic myocarditis. Reasons, mechanism of development, morphology, outcomes.

Acquired and congenital cardiac defects. Causes of acquired cardiac defects, pathogenesis, morphological characteristics.

Cardiosclerosis. Reasons, mechanism of the development, types, morphology.

Atherosclerosis. Etiology and pathogenesis. Pathological anatomy. Stages of atherosclerosis. Clinicomorphological forms and their characteristics, reasons of death. Atherosclerosis and myocardial infarct, their interconnection.

Arterial hypertension. Definition, classification. Hypertensive disease. Etiology, risk factors and pathogenesis. Pathological anatomy. Stages of hypertensive disease. Complications, reasons of death.

Ischemic heart disease (coronary disease). The concept of heart disease. It's interconnection with atherosclerosis and hypertensive disease. Etiology and pathogenesis, risk factors.

Myocardial infarction. Morphology of acute, reoccurring, and repeated myocardial infarction. Complications, reasons of death.

Chronic ischemic heart disease. Morphological characteristics, complications, reasons of death.

Cerebro-vascular disease. The concept of cerebro-vascular disease. It's interconnection with atherosclerosis and hypertensive disease. Etiology, pathogenesis. Morphological characteristics.

Primary and secondary cardiomyopathy. Reasons, pathogenesis.

Vasculitis. Reasons, mechanism of development, morphology, outcomes. Nonspecific aortoarteritis (Takayasu's disease), temporal arteritis (Horton's disease), periarteritis nodosa, Wegener's granulomatosis, obliterating thromboangiitis (Buerger's disease). Primary and secondary vasculitis.

Rheumatic disease. The concept of rheumatic disease. Morphology of immune damages and processes of systemic disorganization of connective tissue, characterizing rheumatic diseases; the particularities of their development in children.

Rheumatism. Aetiology, pathogenesis, pathological anatomy. Immunomorphological characteristics; the dynamics of change: mucoid and fibrinoid swelling, granulomatosis, sclerosis. Clinical-anatomical forms. Changes of heart (endocarditis, myocarditis, pericarditis, pancarditis) and vessels. Rheumatic heart failures. Changes in lungs, nervous system, kidneys and other organs. Complications, reasons of death. Particularities of rheumatism development in children.

Rheumatoid arthritis. Etiology, pathogenesis, pathological anatomy. Immunomorphological characteristics. Change of vessels, kidneys, heart. Complications, reasons of death.

Bechterew's disease.

Systemic lupus erythematosus. Etiology, pathogenesis, pathological anatomy. Immunomorphological characteristics. Change of vessels, kidneys, heart. Complications, reasons of death.

Systemic scleroderma (systemic progressing sclerosis). Aetiology, pathogenesis, pathological anatomy. Visceral manifestations. Complications, reasons of death.

Periarteritis nodosa (Kussmaul's disease).

Dermatomyositis. Etiology, pathogenesis, pathological anatomy. Complications, reasons of death.

List of recommended literature:

Basic literature:

1. “Basic pathology” Vinay Kumar, Ramzi S. Cotran, Stanley L. Robbins, 1997.

Additional literature:

1. “Pathology. Quick Review and MCQs” Harsh Mohan, 2004.
2. “Textbook of Pathology ” Harsh Mohan, 2002.
3. “General and Systemic Pathology” Joseph Hunter, 2002.
4. “General and Systematic Pathology ” Ed. J.C.E. Underwood – Edinburgh: Churchill Livingstone, 1996 (2th).
5. “Histology for Pathologist” Ed. S.S.Sternberg – Philadelphia: Lippincott Raven Publ, 1997 (2th).
6. “Histopathology. A Color Atlas and Textbook” Damjanov I., McCue P.A. – Baltimore, Philadelphia, London, Paris etc.: Williams and Wilkins, A Waverly Co., 1996.
7. “Muir’s Textbook of Pathology” Eds. R.N.M. MacSween, K. Whaley London: ELBS, 1994 (14th).
8. “Pathology” Eds. Rubin, J.L. Farber – Philadelphia: Lippincott Raven Publ, 1998 (3th).
9. “Pathology Illustrated” Govan A.D.T., Macfarlane P.S., Callander R. – Edinburgh: Churchill Livingstone, 1995 (4th).
10. “Robbins Pathologic Basic of Disease” Eds. R.S.Cotran, V.Kumar, T.Collins – Philadelphia, London, Toronto, Montreal, Sydney, Tokyo: W.B.Saunders Co., 1998 (6th).
11. “Wheater’s Basic Histopathology. A Color Atlas and Text” Burkitt H.G., Stevens A.J.S.L., Young B. – Edinburgh: Churchill Livingstone, 1996 (3th).
12. “Color Atlas of Anatomical Pathology” Cooke R.A., Steward B. – Edinburgh: Churchill Livingstone, 1995 (10th).
13. “General Pathology ” Walter J.B., Talbot I.C. – Edinburgh: Churchill Livingstone, 1996 (7th).
14. “Concise Pathology” Parakrama Chandrasoma, Glive R. Taylor.
15. “Pathology” Virginia A. LiVolsi, Maria J. Merino, John S. J. Brooks, Scott H. Saul, John E. Tomaszewski, 1994.
16. “Short lectures on pathology” Zagoroulko A., 2002
17. “Robbins pathologic basis of diseases” Cotran R., Kumar V., Collins T.
18. “General pathology” Dr. Fatma Hafez, 1979.
19. “Anderson’s Pathology ” Damjanov I., Linder J. – St. Louis: Mosby Inc., 1995 (10th).

<https://www.volgmed.ru/ru/depts/list/69/>

<https://volgmu-pat-anat.3dn.ru/>

<https://webpath.med.utah.edu/>