

**The Ministry of Health of Ukraine
Odessa National Medical University**

CONFIRMED by
Acting vice-rector for scientific and pedagogical work
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**THE LIST OF QUESTIONS
FOR THE EXAM ON PATHOMORPHOLOGY
FOR STUDENTS OF STOMATOLOGICAL FACULTY
FOR 2022/2023 ACADEMIC YEAR**

1. Pathological anatomy as a science, the field of practical medicine and educational subject. The content, tasks, objects and methods of pathologic research. Levels studies of structural basis of diseases.
2. Main stages of development of pathomorphology. The contribution of domestic scientists in development of world pathomorphology.
3. The concept of the ultrastructural pathology of the cell.
4. Morphogenesis and morphology of intracellular and extracellular accumulations of proteins, carbohydrates and lipids.
5. Morphogenesis and morphology of pathological accumulation of endogenous and exogenous pigments.
6. Morphogenesis and morphology of mineral metabolism violations.
7. Damage and death of cells and tissues. Necrosis and apoptosis are morphologic manifestations.
8. Structural mechanisms and clinico-pathological characteristics of the main periods of tanatogenesis. Death: definition, characteristics and development periods. Postoperative period: definition, pathological features of damage of vital organs and resume their functions.
9. Morphology of the disorders of ion-osmotic and water balance.
10. The morphology and consequences of the violations for different types of hyperemia.
11. Morphogenesis and pathomorphology of ischemia. Morphogenesis and pathomorphology of a heart attack.
12. Determination and morphogenesis kinds of bleeding, hemorrhage.

13. Morphogenesis, pathomorphology, consequences of stasis.
14. Pathomorphology, consequences of plasturgie.
15. Pathomorphology, consequences of embolism.
16. Morphogenesis, pathomorphology, consequences of shock.
17. Pathomorphology, consequences of lymph circulation disorders.
18. Morphogenesis, pathomorphology, consequences of thrombosis, DIC-syndrome.
19. Definition of exudative inflammation. Species, morphological characteristics, clinical significance of exudative inflammation.
20. Definition of proliferative inflammation. Morphological features, the consequences of proliferative inflammation. Species, morphological characteristics of granulomatous inflammation. Species-specific morphological characteristics of inflammation.
21. Morphological characteristics of different types of hypersensitivity.
22. Definition, classification and General morphological characteristics of autoimmune diseases.
23. Definition, General morphological characteristics of primary and secondary immune deficiency.
24. Principles of classification of amyloidosis. Systemic amyloidosis (primary, secondary): morphological characteristics. Localized and endocrine amyloidosis: morphological characteristics. Amyloid of aging: morphological characteristics.
25. Definition, types, morphological characteristics of hyperplasia.
26. Definition, types, morphological characteristics of atrophy.
27. Definition, types, morphological characteristics of metaplasia.
28. Phase nature of the flow of processes of compensation in pathological conditions. Sclerosis.
29. Definition, types, morphological characteristics, hypertrophy of the Morpho-functional peculiarities of myocardial hypertrophy.
30. Necropsy of disadaptation of the body.
31. Cell the intracellular form of regeneration. Types of regeneration: physiological, reparative, pathological. Morphogenesis of the regenerative process.
32. Granulation tissue: morphological characteristics. Types of wound healing.
33. The definition of tumor growth. The modern theory of carcinogenesis.
34. The definition of dysplasia, its types, the role of dysplasia in carcinogenesis. Precancerous (pre-malignant) condition and changes morphology.
35. Features of the tumor cells. Morphogenesis and histogenesis of tumors. Types of tumor growth.
36. Morphological features of benign tumors. Morphological features of malignant tumors.
37. Metastasis: types, patterns, mechanisms. Non-metastatic systemic effects.

38. General characteristics and nomenclature of tumors from tissues which are derivatives of mesenchyme. Morphological features of benign tumors of tissues derived from the mesenchyme. Morphological features of malignant tumors of tissues derived mesenchyme. Ways of metastasis of sarcoma.
39. Nomenclature of tumors of the nervous tissue. Morphological features of tumors of the Central nervous system. Features of metastasis of tumors of the Central nervous system. Nomenclature and morphological features of tumors of the autonomic nervous system. Nomenclature and morphological features of tumors of the peripheral nervous system.
40. Nomenclature of tumors derived melaminovaya tissue. Nevi, and their variations. Morphological features of melanoma, its morphological form. The value of precancerous changes.
41. The nomenclature of tumors from epithelium. Morphological features of tumors from the epithelium without specific localization: benign (papilloma, adenoma) and malignant (cancer). Histological variants of cancer. Features of metastasis of cancer.
42. Peculiarities of tumor growth in children in comparison with adults. Dysontogenetic tumors: hamartomas and hamartoblastoma morphological manifestations. Teratomas and teratoblastoma morphological manifestations. Tumors from cambial embryonic tissues – morphological manifestations.
43. Tumors of childhood, which develop on the type of tumors in adults – morphological manifestations.
44. Definition, classification and morphological characteristics of anemias.
45. Definition, classification, morphological characteristics of thrombocytopenia and trombocitopatij. Classification, morphological characteristics of coagulopathy.
46. Definition, classification, General morphological characteristics of leukemia. Types, stages of progress, morphological characteristics of acute leukemia. Types, stages of progress, morphological characteristics of chronic leukemia.
47. Pathohistologic types, morphological characteristics of Hodgkin's disease, the cause of death. General characteristics, classification, morphological manifestations and prognosis of non-Hodgkin's lymphomas.
48. The morphogenesis of macroscopic changes in atherosclerosis. Morphogenesis of microscopic changes in atherosclerosis.
49. Clinical-morphological forms of atherosclerosis, organ lesion in atherosclerosis.
50. Morphology of acute, recurrent and repeated myocardial infarction. The consequences, complications, causes of death in myocardial infarction.

51. Morphological characteristic, complications, causes of death in chronic ischemic heart disease.
52. Morphological changes in vessels, heart, changes in organs in hypertension.
53. General characteristics of systemic connective tissue diseases: disorder of immune system homeostasis and progressive disorganization of connective tissue in rheumatic diseases. Classification, morphogenesis, morphological characteristics of rheumatic fever. Endocarditis, myocarditis, pericarditis and pancarditis: classification, the morphological characteristic, complications.
54. General characteristics, classification, background diseases and risk factors of Cerebro-vasculiarnaya diseases. Infarction (ischemic stroke) of brain: morphological characteristics. Morphological characteristics, the consequences of hemorrhagic stroke.
55. Morphological characteristics of acute bronchitis.
56. Modern classification of pneumonias. Morphological characteristics and complications of acute focal pneumonia.
57. Morphological characteristics and complications of lobar pneumonia.
58. The definition and classification of chronic nonspecific zabolevaniy of the respiratory system. Morphological characteristics and complications of chronic bronchitis. Morphological characteristics of chronic obstructive emphysema. Morphological characteristics and complications of bronchiectasis.
59. Morphological characteristics and complications of bronchial asthma.
60. Morphological characteristics of lung cancer.
61. Diseases of esophagus: morphological characteristics. Morphological characteristics of chronic gastritis.
62. Pathomorphology of peptic ulcer. Complications of peptic ulcer disease.
63. Cancer of the stomach. Macroscopic and histological forms. Features of metastasis.
64. Clinical-morphological forms of appendicitis. A complication of appendicitis.
65. Tumors of the colon.
66. Morphological characteristics, prognosis of fatty hepatitis. Definition, morphological characteristics, prognosis of toxic dystrophy of the liver.
67. Morphogenesis, shape, morphological characteristics of acute hepatitis. Morphologic features of chronic hepatitis, the degree of activity and chronicity.
68. Morphological characteristics the most important types of cirrhosis.
69. Cancer of the liver, morphological characteristics.
70. Pathomorphology of cholelithiasis. Pathomorphology of acute and chronic cholecystitis.
71. Morphological characteristics, complications of acute and chronic pancreatitis.

72. Morphological description, complications and causes of death for the disease Itsenko-Kushing.
73. Morphological characteristics, complications of acromegaly.
74. Morphological characteristics of diabetes insipidus.
75. Morphological characteristics of diabetes mellitus. Complications of diabetes: the morphological characteristic of diabetic macro - and microangiopathy.
76. Graves ' disease (diffuse toxic goiter, Basedow's disease): morphological features of the thyroid gland, visceral manifestations.
77. Hypothyroidism. Cretinism. Myxedema. Morphological characteristics. Definition, pathomorphology of Hashimoto's thyroiditis.
78. Morphological features of primary and secondary hyperparathyroidism. Morphological changes of bones in giperparatireoze dystrophy.
79. Primary chronic insufficiency of cortex of adrenal glands (Addison's disease): morphological manifestations.
80. Morphological characteristics, effects of inflammatory diseases, precancerous cervical processes.
81. Morphological manifestations of inflammatory diseases of the endometrium and the myometrium.
82. Morphological characteristics, complications, consequences of inflammatory diseases of the mammary glands. Morphological characteristics of fibro-cystic breast changes.
83. Morphological characteristics, complications, consequences of benign nodular prostatic hyperplasia. Morphological characteristics of inflammatory diseases of the testicles.
84. Modern clinical-morphological classification of kidney disease. Postinfectious glomerulonephritis: morphological characteristics, consequences. Rapidly progressive: morphological characteristics, consequences. Chronic glomerulonephritis: morphological characteristics, consequences.
85. Morphological characteristics, prognosis of necrotic nephrosis.
86. Morphological characteristics, prognosis of acute and chronic pyelonephritis.
87. Morphogenesis and morphological characteristics of nephrolithiasis, consequences.
88. Chronic renal failure. Nephrosclerosis. Pathological anatomy.
89. Morphological characteristics, complications of Paget's disease. Morphological characteristics, complications of fibrous dysplasia.
90. Classification, morphological diagnostics, complications and consequences of ectopic pregnancy.
91. Classification, morphological characteristics and prognosis of trophoblastic disease.

92. Morphological characteristics, the consequences of neonatal asphyxia.
93. Pathological anatomy, consequences, causes of death from injury caused by electric current.
Pathological anatomy, consequences, causes of death from diseases that are related to the effects of ionizing radiation.
94. Pathological anatomy of caries. Clinical-morphological stages of tooth decay.
95. Non-carious injuries of hard tooth tissues.
96. Clinical and morphological characteristics of pathological conditions of the pulp and periapical tissues of the tooth.
97. Clinical and morphological characteristics of reactive changes of pulp.
98. Clinical morphological characteristics of acute and chronic pulpitis.
99. Periodontitis. Morphogenesis and morphological manifestations of periodontitis.
100. Pathological anatomy of gingivitis. Morphological forms of gingivitis
101. Dental deposits.
102. Pathology of periodontitis.
103. Periodontal disease, morphogenesis and morphological manifestations.
104. Idiopathic progressive parodontosis.
105. Inflammatory diseases of the jaws. Morphogenetic manifestations. Complications and consequences.
106. Cysts of the jaw bones.
107. Diseases of the salivary glands. Sialoadenitis. Clonakenny disease. Cysts of glands.
108. Diseases of the lips, tongue, soft tissues of the oral cavity. Cheilitis. Glossitis. Stomatitis.
109. Paradontomas.
110. Tumor-like diseases of the jaws.
111. Nonodontogenic and odontogenic tumors of the jaw bones.
112. Tumors and tumor-like diseases of the salivary glands.
113. Tumors and tumor-like diseases of lips, tongue, soft tissues of the oral cavity.
114. General characteristic of infectious process: the entrance gate of infection, primary infectious complex, spreading and dissemination, ways of transmission of infectious diseases.
115. Morphological characteristics, complications, consequences, causes of death in bacterial dysentery.
116. Morphological characteristics, complications, consequences, causes of death in typhoid fever.
117. Morphological characteristics, complications, consequences, reasons of death in salmonellosis.

118. Morphological characteristics, complications, consequences, causes of death for respiratory viral infections.
119. Morphological characteristics, complications, consequences, reasons of death in typhus fever.
120. Morphological characteristics, complications of infectious diseases of the brain (viral encephalitis).
121. Morphological characteristics, complications prion CNS lesions.
122. Morphological characteristic, complications, causes of death in AIDS.
123. Morphological characteristics, complications, consequences, reasons of death in measles. Morphological characteristics, complications, consequences, causes of death mumps.
124. Morphological characteristics, complications, consequences, causes of death in diphtheria.
125. Morphological characteristics, complications, consequences, causes of death with scarlet fever.
126. Pathological anatomy of primary tuberculosis complex. The morphology of the progression of primary tuberculosis.
127. Morphological characteristics, complications, consequences, causes of death in hematogenous tuberculosis with predominant lung involvement. Morphological characteristics, complications, consequences, causes of death in hematogenous tuberculosis with predominant involvement of the viscera and the skeletal system.
128. Morphological characteristics, complications, consequences, causes of death in secondary tuberculosis.
129. Clinical-anatomical forms of sepsis: septicemia, pyosepticemia, septic (infectious) endocarditis.
130. Cholera: clinical-morphological forms, complications, causes of death.
131. Pathomorphology of congenital syphilis. Pathomorphology of acquired syphilis.
132. Morphological characteristics of trichinosis, echinococcosis, cysticercosis and opisthorchosis.

**Temporary acting
head of the Department**



ass. prof. Neskromna N.V.