

**Thematic plan of seminar-type classes  
on the subject "Pathological anatomy - pathological anatomy of the head and neck" for  
students of 2024 admission  
under the educational program 31.05.03 Dentistry, focus (profile) Dentistry  
(specialty), full-time education  
2025-2026 academic year**

<b>№</b>	<b>The theme of the lesson.</b>	<b>Practical training within the thematic block</b>	<b>Hours (academic)</b>
<b>3-rd semester</b>			
<b>1.</b>	<b>Disorders of metabolism in cells and tissues.</b> Pathology of accumulation (dystrophy). Disorders of lipid metabolism.	PT	4
<b>2.</b>	<b>Disorders of metabolism in cells and tissues.</b> Pathology of accumulation (dystrophy). Disorders of protein and carbohydrate metabolism. Hyaline changes. Mucoid and fibrinoid swelling.	PT	4
<b>3.</b>	Disorders of chromo proteins metabolism (exogenous and endogenous pigments). Hemosiderosis and hemochromatosis. Jaundice. Disorders of nucleic acids metabolism. Pathological calcification. Formation of stones.	PT	4
<b>4</b>	<b>Injury and death of cells and tissues.</b> Necrosis. Apoptosis. Infarction.	PT	4
<b>5</b>	<b>Blood and lymph circulation disorders.</b> Disorders of blood filling (hyperemia, ischemia). Arterial hyperemia. Venous congestion. Bleedings. Hemorrhages. Stasis. Thrombosis. Embolism. Shock. Intravascular disseminated syndrome. Ischemia.	PT	4
<b>6</b>	<b>Inflammation.</b> Inflammation, general characteristics. Acute inflammation. Exudative inflammation: types, morphological characteristics.	PT	4
<b>7.</b>	<b>Chronic (productive) inflammation.</b> Interstitial inflammation. Granulomatous inflammation. Inflammation with formation of polyps and condylomas.	PT	4
<b>8</b>	<b>Immunopathological processes.</b> Hypersensitivity reactions. Amyloidosis. Autoimmune diseases. Immunodeficiency conditions.	PT	4
<b>9</b>	<b>Revision 1.</b> Control of knowledge, skills, skills. Solving clinical and morphological problems in the thematic blocks "Morphology of reversible and irreversible damage", "Disorders of blood and lymph circulation", "Inflammation" and "Immunopathological processes".	PT	4
<b>10.</b>	<b>Processes of regeneration and adaptation.</b> Regeneration. Hyperplasia. Hypertrophy. Atrophy. Metaplasia. Organization. Dysplasia. Wound healing.	PT	4
<b>11</b>	<b>Tumors.</b> Introduction to oncomorphology. Definition of tumors. The main characteristics of tumors. Etiology and pathogenesis. Classification. Epithelial tumors.	PT	4

12	Mesenchymal tumors. Tumors of melaninproducing tissue. Tumors of nervous tissue. Teratomas: types (histioid, organoid and organismoid).	PT	4
13	Diseases of the organs of the hematopoietic and lymphoid tissue. Anemia. Hemoblastosis (leukemia). Lymphomas. Reactive hyperplasia of lymph nodes: types, morphology. Lymphadenitis acute, acute and chronic: causes, morphology.	PT	4
14	<b>Infectious diseases.</b> Tuberculosis. Syphilis.	PT	4
15	<b>Revision 2.</b> Control of knowledge, skills, skills. Solving clinical and morphological problems in the thematic blocks "Regeneration and adaptation processes", "Tumors", "Anemia, leukemia, lymphoma", "Infectious diseases".	PT	4
<b>4<sup>th</sup> semester</b>			
1.	<b>Diseases of cardio-vascular system.</b> Atherosclerosis. Arterial hypertension.	PT	4
2.	<b>Diseases of cardio-vascular system.</b> Ischemic heart disease. Cerebro-vascular diseases. Cardiomyopathies. Rheumatic diseases. Vasculitis. Heart diseases.	PT	4
3.	<b>Diseases of lungs.</b> Pneumonias (lobar pneumonia, bronchopneumonia). <b>Diseases of lungs.</b> Lungs obstructive and restrictive disease. Chronic bronchitis. Bronchiectasis. Emphysema of the lungs. Bronchial asthma. Interstitial diseases of lungs. Tumors of bronchi and lung tissue. Cancer of lungs.	PT	4
4.	<b>Diseases of gastro-intestinal tract.</b> Diseases of fauces and pharynx. Stomach disease. Gastritis. Peptic ulcer (ulcer disease) of the stomach and duodenum. Stomach tumors. Intestine diseases. Nonspecific ulcer colitis. Crohn's disease. Appendicitis.	PT	4
5.	<b>Diseases of the liver and biliary tract.</b> Steatosis of the liver (fatty hepatosis). Massive necrosis of the liver. Hepatitis. Liver cirrhosis. Cancer of liver. Cholelithiasis. Cholecystitis.	PT	4
6.	<b>Diseases of the kidneys.</b> Glomerulonephritis and noninflammatory glomerulopathies. Nephrotic syndrome. Amyloidosis of kidneys. Nephrosclerosis. Acute renal insufficiency (necrotic nephrosis/acute tubulonecrosis). Chronic renal insufficiency. Pyelonephritis. Urolithiasis.	PT	4
7.	<b>Endocrine system diseases.</b> Pathology of the pituitary gland and hypothalamus. Diabetes mellitus. Diseases of the thyroid gland.	PT	4
8.	<b>Revision 1. Control of knowledge, skills. Solving clinical and morphological problems in the thematic blocks 1-8.</b>	PT	4
9.	Caries. Noncarious lesions. <b>Diseases of periodontium.</b> Pulpitis. Apical periodontitis. Radicular cyst. <b>Diseases of parodontium and oral mucosa.</b> Gingivitis. Parodontitis. Parodontosis. Parodontomes (epulis). Desmodontosis (progressive parodontolysis). Gingival fibromatosis. Stomatitis.	PT	4
10.	<b>Tumorous diseases of head and neck.</b> Epithelial tumors, precancerous diseases and lesions of oral mucosa, face skin, pilar part of head, neck. Tumors and tumor-like lesions of	PT	4

	head and neck soft tissues (mesenchymal tumors, tumors of melaninproducing tissue, tumors from neuroectoderm.		
11.	<b>Diseases of jaw bones.</b> Traumatic lesions. Inflammatory diseases. Tumors and tumor-like lesions. Cysts.	PT	4
12.	<b>Diseases of salivary glands.</b> Inflammatory, autoimmune, dysembriogenetic and tumor-like lesions. Cysts of salivary glands. Tumors of salivary glands: monomorphous and pleomorphic adenomas; mucoepidermoid, acinocellular, adenocystic carcinomas, other types of carcinomas.	PT	4
13.	<b>Control of knowledge, skills. Solving clinical and morphological problems in the thematic blocks 9-12.</b>	PT	4

PT - Practical training.

Considered at the meeting of the Department of Pathological Anatomy,  
Protocol No. 10 of May 29, 2025.

Head of the Department,  
PHD, professor



A.V. Smirnov