Federal State Budgetary Educational Institution of Higher Education "Ural State Medical University"
Ministry of Health of the Russian Federation

Department of Pathological Anatomy and Forensic Medicine

УТВЕРЖДАЮ
Проректор по образовательной деятельности
А.А. Ушаков
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Fund of evaluation funds by discipline

PATHOLOGICAL ANATOMY, PATHOLOGICAL ANATOMY OF THE HEAD AND NECK

Specialty: 31.05.03 Dentistry
Level of higher education: specialist
Graduate Qualification: Dentist

Ekaterinburg
2025

The fund of assessment tools was developed in accordance with the requirements of the Federal State Educational Standard of Higher Education in the specialty 31.05.03 Dentistry (specialist level), approved by order of the Ministry of Education and Science of the Russian Federation dated 08.12.2020, No. 984, and taking into account the requirements of the professional standard " Dentist", approved by order of the Ministry of Labor and Social Protection of the Russian Federation dated May 10, 2016 No. 224 n. (registered with the Ministry of Justice of the Russian Federation on June 2, 2016, reg. No. 42399).

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Reviewer:

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Maintenance of the appraisal fund

1. Discipline codifier

2. Examples of tests by discipline

3. Subjects of research works on the discipline

4. Questions for intermediate certification in the discipline

4.1. Questions for the exam

4.2. List of macropreparations for the exam

4.3. List of slides for the exam

5. Assessment technologies

1. Codifier by discipline

Name of the category (group) of competence	Code and name of competence	Code and name of the indicator of achievement of competence	Didactic unit		Controlled ZUN, aimed at the formation general cultural and professional competencies			Competence development stage
					Know (formulation of knowledge and GPC instruction)	**Be able to** (wording skills and guidance OPK)	**Own** (wording skills and guidance OPK)	
Fundamentals of fundamental and natural science knowledge	OPK-9. Able to assess morphofunctional states and pathological processes in the human body to solve professional problems	IOPC-9.1 Knows: anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems I OPC 9.2 Able to: evaluate the basic morphological and functional data, physiological	DE 1	Introduction to pathological anatomy. The history of the development of pathological anatomy. Content, tasks, methods of studying pathological anatomy. Pathology service.	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus. - the ability to recognize macro and micro changes in tissues and organs in a given pathological process OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	elementary
			DE 2	Apoptosis. Necrosis. Death, posthumous changes	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body during death, necrosis and apoptosis; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns during necrosis, apoptosis - differentiate various forms of necrosis on micro and macro preparations - differentiate necrosis and apoptosis on micro and macro preparations OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus. - the ability to recognize macro and micro changes in tissues and organs in a given pathological process OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	

		conditions and pathological processes in the human body I OPC 9.3 Has practical experience: assessment of basic morphological and functional data, physiological conditions and pathological processes in the human body when solving professional problems	DE 3	Dystrophy - reversible damage (parenchymal, stromal-vascular)	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this pathological process - to differentiate on micro and macro preparations in this pathological process - to differentiate on micro and macro preparations in this pathological process OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus. - the ability to recognize macro and micro changes in tissues and organs in a given pathological process OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	
			DE 4.5	Mixed dystrophies. Blood and lymph circulation disorders.	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this pathological process - to differentiate on micro and macro preparations in this pathological process - to differentiate on micro and macro preparations in this pathological process OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus. - the ability to recognize macro and micro changes in tissues and organs in a given pathological process OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	
			DE 6	Inflammation	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this pathological process - to differentiate on micro and macro preparations in this pathological process - to differentiate on micro and macro preparations in this pathological process OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus. - the ability to recognize macro and micro changes in tissues and organs in a given pathological process OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	

			DE 7,8	immun opathological processes. Regeneration. Processes of adaptation and compensation. Wound healing. Sclerosis.	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this pathological process - to differentiate on micro and macro preparations in this pathological process - to differentiate on micro and macro preparations in this pathological process OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus. - the ability to recognize macro and micro changes in tissues and organs in a given pathological process OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	
			E -9-10 11, 12	Tumors	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of the disease, the principles of classification of diseases; basic concepts of general nosology; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this pathological process - to differentiate on micro and macro preparations in this pathological process - to differentiate on micro and macro preparations in this pathological process OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus; - the ability to recognize macro and micro changes in tissues and organs in a given pathological process OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	

			DE 13	Nosology, diagnosis. Disease. ICD-10. Hemoblastosis.	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of the disease, the principles of classification of diseases; basic concepts of general nosology; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	structurally formulate a clinical and pathoanatomical diagnosis - give a conclusion and formulate a pathoanatomical diagnosis; complete a medical certificate of death; - work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this group of diseases - to differentiate on micro and macro preparations for this group of diseases - to differentiate on micro and macro preparations for this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus; - ability to recognize macro and micro changes in tissues and organs in this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	
			E 14	Non-tumor diseases of the salivary glands. Sjögren's disease and syndrome. Mumps. Non-tumor diseases of the mucous membrane, organs of the oral cavity. Malformations of the development of the maxillofacial area.	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of the disease, the principles of classification of diseases; basic concepts of general nosology; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this group of diseases - to differentiate on micro and macro preparations for this group of diseases - to differentiate on micro and macro preparations for this group of diseases	- medical-functional conceptual apparatus; - ability to recognize macro and micro changes in tissues and organs in this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	

			E 15	Caries. Pulpitis. Periodontitis. Periodontal disease.	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of the disease, the principles of classification of diseases; basic concepts of general nosology; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this group of diseases - to differentiate on micro and macro preparations for this group of diseases - to differentiate on micro and macro preparations for this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus; - ability to recognize macro and micro changes in tissues and organs in this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	
			E 16	Osteomyelitis of the jaw bones. Sepsis. Odontogenic sepsis.	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of the disease, the principles of classification of diseases; basic concepts of general nosology; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this group of diseases - to differentiate on micro and macro preparations for this group of diseases - to differentiate on micro and macro preparations for this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus; - ability to recognize macro and micro changes in tissues and organs in this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	

			E 17	Tuberculosis. Syphilis. Actinomycosis. Changes in the maxillofacial region.	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of the disease, the principles of classification of diseases; basic concepts of general nosology; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this group of diseases - to differentiate on micro and macro preparations for this group of diseases - to differentiate on micro and macro preparations for this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus; - ability to recognize macro and micro changes in tissues and organs in this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	
			E 18	Infectious diseases, general characteristics. SARS. HIV infection. The defeat of the CHLO.	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of the disease, the principles of classification of diseases; basic concepts of general nosology; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this group of diseases - to differentiate on micro and macro preparations for this group of diseases - to differentiate on micro and macro preparations for this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus; - ability to recognize macro and micro changes in tissues and organs in this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	

			E 19	Arteriolosclerosis. Arterial hypertension. ischemic heart disease. TsVB.	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of the disease, the principles of classification of diseases; basic concepts of general nosology; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this group of diseases - to differentiate on micro and macro preparations for this group of diseases - to differentiate on micro and macro preparations for this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus; - ability to recognize macro and micro changes in tissues and organs in this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	
			DE 20	Rheumatic diseases	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of the disease, the principles of classification of diseases; basic concepts of general nosology; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this group of diseases - to differentiate on micro and macro preparations for this group of diseases - to differentiate on micro and macro preparations for this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus; - ability to recognize macro and micro changes in tissues and organs in this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	

			E 21	Respiratory diseases	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of the disease, the principles of classification of diseases; basic concepts of general nosology; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this group of diseases - to differentiate on micro and macro preparations for this group of diseases - to differentiate on micro and macro preparations for this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus; - ability to recognize macro and micro changes in tissues and organs in this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	
			E 22	Diseases of the digestive system	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of the disease, the principles of classification of diseases; basic concepts of general nosology; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this group of diseases - to differentiate on micro and macro preparations for this group of diseases - to differentiate on micro and macro preparations for this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus; - ability to recognize macro and micro changes in tissues and organs in this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	

			E 23	Diseases of the liver.	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of the disease, the principles of classification of diseases; basic concepts of general nosology; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this group of diseases - to differentiate on micro and macro preparations for this group of diseases - to differentiate on micro and macro preparations for this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus; - ability to recognize macro and micro changes in tissues and organs in this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	
			E 24	kidney disease	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of the disease, the principles of classification of diseases; basic concepts of general nosology; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this group of diseases - to differentiate on micro and macro preparations for this group of diseases - to differentiate on micro and macro preparations for this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus; - ability to recognize macro and micro changes in tissues and organs in this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	

			E 25	Diseases of the endocrine glands	- anatomical-physiological, age-sex and individual features of the structure and development of the human body; - the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of the disease, the principles of classification of diseases; basic concepts of general nosology; - functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes. OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- work with magnifying equipment (microscope); - assess the histophysiological state of the main cellular, tissue and organ structures of the body in this pathological process; - describe the morphological changes in the studied macroscopic, microscopic preparations and electron diffraction patterns in this group of diseases - to differentiate on micro and macro preparations for this group of diseases - to differentiate on micro and macro preparations for this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	- medical-functional conceptual apparatus; - ability to recognize macro and micro changes in tissues and organs in this group of diseases OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3	

2. Examples of tests by discipline

Test tasks are developed for each DU. The task allows you to assess the knowledge of a particular topic of the discipline. In the test task, the student is asked to choose one correct answer.

Examples of test tasks:

1. White with a hemorrhagic corolla, an irregularly shaped infarction is characteristic of**(DE2)**:
a. spleen
b. kidneys
c. easy
d. myocardium

2. Antibodies to type IV collagen in the basement membranes of the glomeruli of the kidney and pulmonary vessels are formed when**(DE7)**:
a. Sjögren's disease
b. Goodpasture syndrome
c. SLE
d. Di Giorgi syndrome

3. Mycoplasma pneumoniae and Chlamydia spp. are pathogens**(DE21)**:
a. lobar pneumonia
b. bronchopneumonia
c. interstitial pneumonia
d. aspiration pneumonia

5. According to the classification of V.I. Pokrovsky, what stage of HIV infection is characterized by the onset of development of secondary diseases**(DE18)**?
a. 2c
b. 3
c. 4a
d. 5

6. Monocausal (simple) diagnosis includes rubrics**(DE9)**:
a. underlying disease, competing disease, complications
b. underlying disease, complications of the underlying disease, concomitant diseases
c. underlying disease, complications of the underlying disease, background diseases
d. underlying disease, competing diseases, complications of the underlying disease, concomitant diseases

Assessment method:incoming (5 test tasks) and intermediate (20 test tasks) control to check the knowledge acquired by students is carried out in the form of a test control. Test tasks of input control are formed in the form of four options for each topic. The score for the entrance test is set based on the number of correct answers (3 correct answers - 0.5 points, 4 correct answers - 0.7 points, 5 correct answers - 1 point). Test tasks for intermediate control are generated randomly from the database of questions. The grade for the intermediate test is set based on the percentage of correct answers (91% or more - 5 points, 90-81% - 2 points, 80-71% - 1 point).

3. Topics of research work on the discipline

The department provides students with the opportunity to carry out research work related to the problems of pathological anatomy of diseases of the orofacial region in adults and children:
1. Clinical and morphological characteristics of tumors of the salivary glands (according to the clinic of maxillofacial surgery and the laboratory of clinical pathomorphology of the State Healthcare Institution "OKB No. 1").
2. Clinical and morphological characteristics of cysts of the jaw bones (according to the clinic of maxillofacial surgery and the laboratory of clinical pathomorphology of the State Budgetary Institution of Health "OKB No. 1").
3. Clinical and morphological characteristics of odontogenic tumors (according to the clinic of maxillofacial surgery and the laboratory of clinical pathomorphology, OKB No. 1).

4. Clinical and morphological characteristics of non-tumor diseases of the orofacial region and neck (according to the clinic of maxillofacial surgery and the laboratory of clinical pathomorphology of the State Healthcare Institution "OKB No. 1").
5. Features of the morphological structure of tumors of the salivary glands (according to the clinic of maxillofacial surgery and the laboratory of clinical pathomorphology of the State Health Institution "OKB No. 1").

Suggested essay topics:

1. Signs of death and post-mortem changes.
2. Diagnostic possibilities of IHC in modern oncomorphology.
3. Anomalies (malformations) of the orofacial area.
4. Complications and outcomes of non-communicable diseases of the orofacial region.
5. Features of the course of pathological processes in the orofacial region in children.

4. Questions for intermediate certification in the discipline

4.1. Questions for the exam

№ n/p	Question	Competencies
1	Pathological anatomy as an integral part of medicine, its goals, objectives, methods of study, its place in the healthcare system.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
2	The history of the development of pathological anatomy. Pathological anatomical service in Russia.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
3	The concept of clinical, biological and social death. Characteristics of post-mortem changes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
4	General characteristics of circulatory and lymph circulation disorders, classification. Arterial hyperemia.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
5	Venous plethora, definition, characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
6	Blood stasis. Anemia. Causes, types, outcomes, significance.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
7	Bleeding and hemorrhage, definition, causes, types, outcomes. Terminology.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
8	Thrombosis and thrombus, definition. Thrombus morphology. Causes and mechanism of thrombus formation. Outcomes and complications of thrombus. The value of thrombosis for the body.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
9	Embolism and embolus, definition, types and meaning.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
10	Heart attack, definition, its causes, types, outcomes, complications.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
11	Plasmorrhagia. Lymph circulation disorders. Characteristics, consequences, meaning.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
12	Violation of the content of tissue fluid, types, characteristics, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
13	Pathological anatomy of acute and chronic heart failure.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
14	Shock, definition, pathogenesis, pathological anatomy.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
15	DIC, definition, pathogenesis, pathological anatomy.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3

16	Dystrophy, definition, classification, causes and mechanisms of the dystrophic process, its significance.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
17	Parenchymal dystrophy, definition, classification. Morphogenesis of parenchymal dysproteinoses, functional significance.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
18	Parenchymal fatty degenerations, varieties, mechanism of development, functional significance.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
19	Stromal-vascular dystrophies, definition, classification. Morphogenesis of stromal-vascular dysproteinoses. Mucoid swelling.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
20	fibrinoid swelling. Hyalinosis. Etiology, pathogenesis, characteristics, functional significance.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
21	Amyloidosis definition. Morphology of amyloidosis of the kidneys, liver, spleen, functional significance.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
22	Classification and pathogenesis of amyloidosis. Characteristics of secondary amyloidosis, functional significance.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
23	Characteristics of hemoglobinogenic pigments in normal and pathological conditions. Jaundice, types, characteristics, pathological anatomy.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
24	Mineral metabolism disorders. Stone formation, causes and mechanism of development. Types of stones. The value of stone formation for the body.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
25	Necrosis, definition, stages, causes and mechanism of development, microscopic signs.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
26	Clinical and morphological forms of necrosis, their characteristics, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
27	Apoptosis, definition, characterization.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
28	Immunopathological processes, definition, classification. Morphological changes in the organs of the immune system during antigenic stimulation.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
29	Hypersensitivity reactions, morphological characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
30	Immunodeficiency states, types, characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
31	Autoimmune diseases, definition, characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
32	Inflammation, definition, etiology, morphological signs of inflammation, their characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
33	Exudative inflammation, definition, types. Characteristics of fibrinous inflammation, causes, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3

34	Purulent inflammation, causes, types, morphological characteristics, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
35	Types of exudative inflammation. Morphological characteristics of catarrhal, serous and putrefactive inflammation. The concept of inflammatory infiltrate.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
36	Inflammation - terminology, classification, clinical signs and outcomes of inflammation.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
37	Productive inflammation, definition, types, characteristics, significance for the body.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
38	Syphilis, definition, tissue reactions.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
39	inflammation in tuberculosis. Structure and morphogenesis of tuberculous granuloma.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
40	Regeneration, definition, types and general characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
41	Conditions that determine the types and quality of regeneration. Reparative and pathological regeneration, definition, characteristics, functional significance.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
42	Regeneration of blood vessels, blood, connective tissue, adipose, bone, muscle, epithelial and nervous tissues.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
43	Hypertrophy and hyperplasia, definition, types, characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
44	Organizational processes, definition, types. Encapsulation. Sclerosis, definition, types, morphological characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
45	Wound healing.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
46	Atrophy, definition, types, characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
47	precancerous processes. Tumor, definition, classification.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
48	Tumor atypism, definition, characteristics of tissue and cellular atypism. The concept of cellular anaplasia.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
49	Benign and malignant tumors, their characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
50	Metastasis and metastasis, definition. Mechanism of development of metastases. Ways of metastasis. Differences between primary tumor and metastasis.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
51	Tumor recurrence, its causes. Influence of a tumor on an organism.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3

52	Theories of tumor development.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
53	General properties of tumors.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
54	Tumors of epithelial origin, general characteristics, varieties.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
55	Cancer, definition, general characteristics, microscopic forms.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
56	Mesenchymal tumors, general characteristics. Benign mesenchymal tumors, varieties, morphological characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
57	Malignant mesenchymal tumors, varieties, morphological characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
58	Sarcoma, definition, morphological characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
59	Tumors of melanin-forming tissue, types, morphological characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
60	Actinomycosis, definition, etiology, pathogenesis, lesions of the maxillofacial region.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
61	Tuberculosis of the maxillofacial region.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
62	Syphilis, definition, classification; damage to the maxillofacial region.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
63	HIV- infection, etiology, pathogenesis, morphological characteristics, changes in the maxillofacial area, complications, causes of death.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
64	Scleroma, pathological anatomy.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
65	dental sepsis.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
66	Dental caries, definition, classification, stages of morphogenesis. Features of caries in children.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
67	Dental caries, definition, reactive pulp changes. Complications and outcomes of dental caries.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
68	Pulpitis, definition, etiology, classification, morphological characteristics, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
69	Periodontitis, definition, etiology, classifications, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3

70	Periostitis, osteomyelitis of the jaw bones, definition, causes, pathomorphology, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
71	The concept of periodontium. Periodontal diseases, classification, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
72	Stomatitis, cheilitis, glossitis, definition, varieties, pathological anatomy.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
73	Salivary stone disease, definition, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
74	Sialoadenitis, definition, classifications, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
75	Epidemic parotitis, definition, etiology, pathogenesis, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
76	Angina, definition, classification, pathological anatomy. Complications and outcomes of acute tonsillitis.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
77	Sjögren's disease and syndrome, definition. Pathological anatomy of Sjögren's disease.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
78	Epulis, definition, types, pathomorphology.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
79	Precancerous processes of the oral cavity, definition, varieties, pathological anatomy.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
80	Odontogenic tumors, classification. Ameloblastoma.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
81	Odontogenic tumors, classification. Odontoma.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
82	Tumor-like processes of the jaw bones, types. Fibrous dysplasia, cherubism.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
83	Cysts of the jaw bones, classification, morphological characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
84	Tumors of the salivary glands, classification. Polymorphic adenoma, morphological characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
85	Benign epithelial tumors of the oral cavity, varieties, morphological characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
86	Oral cancer, varieties, localization, macro- and microscopic characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
87	Mesenchymal tumors of the maxillofacial region, varieties, localization, macro- and microscopic characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3

88	Hemoblastoses, definition, classification, general characteristics, lesions of the maxillofacial region.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
89	Soft tissue tumors of the maxillofacial region, types, characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
90	Monomorphic adenoma of the salivary gland, mucoepidermoid tumor, morphological characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
91	Malformations of the maxillofacial region.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
92	Atherosclerosis, definition. Morphogenesis of atherosclerosis.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
93	Cerebrovascular diseases, definition, varieties, characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
94	Essential hypertension and symptomatic hypertension, definition. Morphogenesis of hypertension.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
95	Clinical and anatomical forms of hypertension and their characteristics, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
96	Ischemic heart disease, definition, classification. Acute ischemic heart disease, types, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
97	Chronic ischemic heart disease, types, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
98	Connective tissue diseases, definition, general characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
99	Rheumatism, etiology, pathogenesis. Rheumatic carditis.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
100	Heart defects, definition, causes of development, varieties, characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
101	Pneumonia, definition, etiology, pathogenesis, classification principles. Parenchymal pneumonia, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
102	Focal pneumonia, etiology, morphological characteristics, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
103	Pathomorphosis of pneumonia. Nosocomial pneumonia, definition, characteristics. Morphology of respiratory failure.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
104	Chronic nonspecific lung diseases, definition, varieties, pathological anatomy.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
105	Gastritis, definition, classification, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3

106	Chronic gastritis, the concept of Helicobacter pylori infection.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
107	Peptic ulcer, definition, etiology, pathogenesis; pathomorphology and complications of peptic ulcer.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
108	Appendicitis, definition, etiology, pathogenesis, pathological anatomy, complications.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
109	Liver diseases, classification. Hepatosis, definition, types, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
110	Liver cirrhosis, definition, classification, pathomorphology, complications.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
111	Chronic hepatitis, definition, classification, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
112	Kidney diseases, classification. Glomerulonephritis, definition, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
113	Pyelonephritis, definition, etiology, varieties, morphological characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
114	Pathology of the thyroid gland, classification, morphological characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
115	Diabetes mellitus, classification, pathological anatomy, complications.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
116	Combat injury, definition, varieties. Trauma of the maxillofacial region.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
117	Tumors of the stomach, varieties, characteristics. Gastric cancer, general characteristics, macro- and microscopic varieties, complications, causes of death in patients.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
118	Diseases of the mammary gland, varieties, characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
119	Tumors of the cervix and body of the uterus, general characteristics.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
120	Lung tumors, types, characteristics. Lung cancer, general characteristics, complications, causes of their occurrence.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
121	Acute viral respiratory infections, definition, general characteristics, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
122	Influenza, definition, etiology, pathogenesis, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
123	Viral hepatitis, definition, classification, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3

124	Dysentery, definition, etiology, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
125	Typhoid fever, definition, etiology, pathogenesis, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
126	Cholera, definition, etiology, pathogenesis, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
127	Diphtheria, definition, etiology, pathogenesis, pathological anatomy of local and general changes, complications, outcomes. Pathomorphosis of diphtheria.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
128	Scarlet fever, definition, etiology, pathogenesis, pathological anatomy, complications, outcomes.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
129	Tuberculosis, definition, classification. Primary tuberculosis, definition, pathological anatomy.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
130	Hematogenous disseminated tuberculosis, definition, characteristics, pathological anatomy.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
131	Secondary tuberculosis, definition, main forms, pathological anatomy. Pathomorphosis of tuberculosis.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
132	Clinical and anatomical forms of sepsis. Characteristics of septicemia and septicopyemia.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
133	Meningococcal infection, definition, etiology, pathogenesis, clinical and anatomical forms, pathomorphology.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
134	HIV infection - definition, epidemiology, etiology, pathogenesis, classification.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
135	AIDS - indicator diseases (secondary diseases), definition, types, pathological anatomy. Major infections and tumors.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
136	Disease definition. Principles of classification of diseases, stages of development, complications and outcomes. Nosological unit, definition, characteristics. The concept of the International Classification of Diseases - 10.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
137	Diagnosis, definition, general characteristics, properties and functions of the diagnosis, quality criteria.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3
138	Diagnosis, definition. Principles of building a diagnosis. structure of the diagnosis.	OPK-9: IOPC-9.1, IOPC-9.2, IOPC-9.3

4.2. List of macropreparations for the exam

8 - Amyloid kidney
43 - Thromboembolus in the pulmonary artery
45 - Atherosclerotic plaques of the aorta with parietal thrombus
57 - Ischemic with hemorrhagic corolla myocardial infarction
73 - Large / small focal cardiosclerosis
94/95 - Wet gangrene of hand/foot tissue
100/101 - Pressure ulcers of the skin/vertebral bodies
111 - Purulent meningitis of the brain
115 - Fibrinous pericarditis ("hairy" heart)
122- Actinomycotic abscesses in the liver
138/139 - Lung with croupous pneumonia
213 - Chronic gastric ulcer with penetration into the liver / pancreas
272 - Necrotizing angina
295/297 - Stomach cancer
303/304 - Lung cancer
330 – Skin cancer
336 - Metastases in the lung
364 – Skin papilloma
365 - Ameloblastoma of the angle of the lower jaw
410 - Radicular cyst of the jaw
419 – Osteosarcoma
425 - Osteoblastoclastoma
519 - Tuberculosis of the lymph nodes
569 - Stone in the duct of the salivary gland

4.3. List of slides for the exam

18 - myocardial infarction
57 - phlegmon of soft
tissues 59 - Productive
encephalitis
73 - Wound healing by secondary intention
86 – Papilloma tongue
95 – Squamous cell keratinizing tongue cancer
97 – Adenocarcinoma
118 - Metastasis of cancer in the lymph node
124 – Fibroma
133 – Fibrosarcoma
150 - Angiomatous epulis
153 – Radicular cyst
156 - Mixed tumor of the salivary
gland 158 - Papillary
cystadenolymphoma 161 –
Ameloblastoma
163 - Cementoma
164 - Abrikosov's tumor
165 – Osteoblastoclastoma
246 – Focal pneumonia
259 - Tuberculous lymphadenitis
275 - Septic thrombophlebitis
300 – Sialoadenitis
309 – Osteomyelitis
310 - Actinomycotic lymphadenitis

5. Assessment technologies

The educational achievements of students within the framework of studying the discipline in the 3rd and 4th semesters are evaluated in accordance with the Methodology of the point-rating system for assessing the educational achievements of students in the discipline Pathological anatomy, pathological anatomy of the head and neck.

The current (semi-annual) certification is carried out with 100% student attendance of practical classes in the discipline, as well as on the basis of passing the final control and gaining 40 points (points can be gained at consultations, in the form of passing current controls and working off missed classes).

The final certification in the discipline is carried out in the form of an exam. Students who have fully

mastered the program of the discipline are allowed to take the exam (subject to a set of at least 40 rating

points for both semesters, who have passed the final controls on the discipline). The exam is held in three stages:

Stage 1 - solving test tasks. Students are invited to solve 20 questions in all sections of the discipline (questions are randomly generated from the electronic database of questions).

Stage 2 – diagnostics of macro and micropreparations. The student randomly receives an envelope with the number of one macro and one microslide. The student must name the drugs received, describe them, determine the leading pathological processes and answer the theoretical questions of the teacher on the proposed drugs.

Stage 3 - the answer to the exam ticket. The examination ticket consists of three theoretical questions (general pathological anatomy, particular pathological anatomy, special questions for the pediatric faculty).

Exam score distribution

Types of examination control		Number of rating points
Stage 1. Testing	min	0
	max	3
Stage 2. Diagnosis of macro- and micropreparations	min	0
	max	6
Stage 3. Interview	min	20
	max	31
TOTAL	min	20
	max	40

The scale for determining the final rating by discipline

Attestation assessment of the student in the discipline	The final rating of the student in the discipline, rating points
"considered"	50-100
"unsatisfactory"	0-59
"satisfactorily"	60-69
"Fine"	70-84
"Great"	85-100