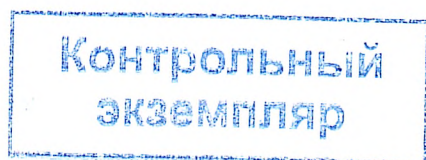
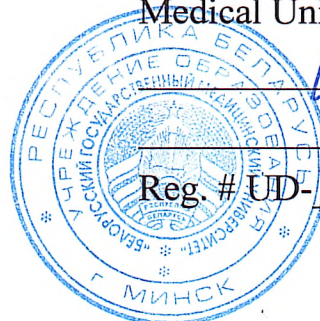


MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS
Educational Institution
«BELARUSIAN STATE MEDICAL UNIVERSITY»



APPROVED

by Rector of the Educational
Institution «Belarusian State
Medical University»



 S.P. Rubnikov

26.06.2025

Reg # UD-

0911-01-4/2524 edu.

OTORHINOLARYNGOLOGY AND DENTISTRY

**Curriculum of the educational institution
in the academic discipline for the specialty**

7-07-0911-01 «General Medicine»

Curriculum is based on the educational program «Otorhinolaryngology and Dentistry», approved 26.06.2025, registration # УД-0911-01-41/2526/уч.; on the educational plan in the specialty 7-07-0911-01 «General Medicine», approved 16.04.2025, registration # 7-07-0911-01/2526/mf.

COMPILERS:

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D.A.Hrychaniuk, Head of the Department of Maxillofacial Surgery and Facial Plastic Surgery with Advanced Training and Retraining Course of the educational institution «Belarusian State Medical University», Ph.D., associate professor;

E.V.Kochyna, Senior Teacher of the Department of Otorhinolaryngology with Advanced Training and Retraining Course of the educational institution «Belarusian State Medical University», scientific degree, title;

U.V.Kanchak, Assistant Professor of the Department of Department of Maxillofacial Surgery and Facial Plastic Surgery with Advanced Training and Retraining Course of the educational institution «Belarusian State Medical University».

RECOMMENDED FOR APPROVAL:

by the Department of Maxillofacial Surgery and Facial Plastic Surgery with Advanced Training and Retraining Course of the educational institution «Belarusian State Medical University»
(protocol # 15 of 30.04.2025);

by the Department of Otorhinolaryngology with Advanced Training and Retraining Course of the educational institution «Belarusian State Medical University»
(protocol # 11 of 23.04.2025);

by the Scientific and Methodological Council of the educational institution «Belarusian State Medical University»
(protocol #10 of 26.06.2025)

EXPLANATORY NOTE

«Otorhinolaryngology and Dentistry» – the educational discipline of the module «Surgical Module 2», containing systematized scientific knowledge about the etiology, pathogenesis, clinical course, methods of diagnosis, treatment, prevention of diseases of the ear, nose, paranasal sinuses, pharynx and larynx, and dental diseases.

The aim of the discipline «Otorhinolaryngology and Dentistry» is the formation of specialized competencies for constructing a clinical diagnosis and prevention of diseases of the ear, nose, paranasal sinuses, pharynx and larynx, and dental diseases.

The objectives of the academic discipline «Otorhinolaryngology and Dentistry» are to develop students' scientific knowledge about the anatomical and physiological characteristics of the maxillofacial region, the dentofacial system, and otorhinolaryngological organs; etiology, pathogenesis, clinical manifestations of dental and otorhinolaryngological diseases; skills and abilities required for:

- examinations of patients with otorhinolaryngological diseases;
- examinations of patients with dental diseases;
- interpretation of the results of laboratory and instrumental research methods;
- constructing a diagnosis;
- diagnosis, treatment, prevention of otorhinolaryngological diseases;
- diagnosis, treatment, prevention of dental diseases;
- providing emergency medical care for critical conditions in dentistry and maxillofacial surgery;
- providing emergency medical care for critical conditions in otorhinolaryngology.

Relations to other educational disciplines

The knowledge, skills and abilities acquired during the study of the academic discipline «Otorhinolaryngology and Dentistry» are necessary for the successful study of the following disciplines: «Ophthalmology», «Oncology».

Studying the educational discipline «Otorhinolaryngology and Dentistry» should ensure the formation of students' specialized professional competencies.

Specialized competencies – provide primary and specialized medical care for the most common otorhinolaryngological, dental, eye diseases and injuries, including urgent and life-threatening conditions.

As a result of studying the discipline «Otorhinolaryngology and Dentistry» the student should

know:

- anatomical and physiological features of otorhinolaryngological organs;
- anatomical and physiological features of the maxillofacial region;
- age-related characteristics of the nose, ear, pharynx, larynx;
- etiology and pathogenesis of otorhinolaryngological diseases ;
- etiology and pathogenesis, clinical picture of diseases in the maxillofacial area and dental diseases;
- clinical picture of otorhinolaryngological diseases and their complications, algorithm for examining patients;

modern methods of clinical, laboratory, instrumental examination of patients in otorhinolaryngology;

diagnostic methods and principles of treatment of foreign bodies in the respiratory tract;

diagnostic methods of diseases of the maxillofacial region;

modern methods of diagnosis and treatment of benign and malignant neoplasms of the upper respiratory tract;

modern methods of diagnosis and treatment of diseases of the upper respiratory tract and ear, indications and contraindications for their use ;

modern methods of diagnosis, treatment and prevention of the most common diseases and damage to the organs of hearing, voice and speech;

modern methods of treating dental diseases and diseases in the maxillofacial area;

modern methods of rehabilitation of patients with diseases of the otorhinolaryngological organs;

be able to:

conduct a physical examination of patients with otorhinolaryngological diseases;

draw up an individual patient examination plan;

formulate a diagnosis;

examine the function of nasal breathing, the olfactory function of the nose;

examine hearing acuity using whispered speech, auditory function using tuning forks;

read the hearing passport and audiogram;

examine vestibular function by rotating on a Barany chair;

identify signs of disease and damage to otorhinolaryngological organs on radiographs;

examine a patient with diseases of the maxillofacial area, including determining indications for additional diagnostic methods and interpreting the data obtained;

carry out diagnosis of diseases and injuries of the maxillofacial area;

provide medical care in case of emergency conditions in otorhinolaryngology;

prepare medical documentation;

determine indications for treatment of diseases of the maxillofacial region and oral cavity;

master:

methods of preparing instruments for diagnostic and therapeutic manipulations and procedures;

method of using a frontal reflector, otoscopy using an otoscope;

methods of performing pharyngoscopy, anterior and posterior rhinoscopy, examination of the vestibule of the nose;

technique of lubricating the mucous membrane of the pharynx and nose with medications, instilling drops into the nose;

technique for performing anterior nasal tamponade;

technique for removing foreign bodies from the anterior sections of the nasal cavity and oropharynx;

principles of care for patients with tracheostomy;

technique for performing conicotomy;

techniques for introducing turunda into the external auditory canal;

technique for toileting the external auditory canal;

methods of examining patients with diseases of the maxillofacial area;

methods of performing emergency manipulations during inflammatory processes and injuries in the maxillofacial area;

skills in providing emergency medical care for injuries, foreign bodies, nosebleeds, and acute otorhinolaryngological diseases.

Total number of hours for the study of the discipline is 134 academic hours. Classroom hours according to the types of studies: lectures – 15 hours (including 6 hours of supervised student independent work), practical classes – 72 hours, student independent work (self-study) – 46 hours.

Intermediate assessment is carried out according to the syllabus of the specialty in the form of a differentiated credit (7 semester).

Form of higher education – full-time.

ALLOCATION OF ACADEMIC TIME ACCORDING TO SEMESTERS OF STUDY

Code, name of the specialty	semester	Number of academic hours						Form of intermediate assessment
		total	in-class	including			out-of-class self-studies	
				lectures	SSIW	practical classes		
7-07-0911-01 «General Medicine»	5	46	30	3	3	24	16	-
	7	88	57	6	3	48	31	-
		134	87	9	6	72	47	differentiated credit

THEMATIC PLAN

Section (topic) name	Number of class hours	
	lectures (including SSIW)	practical lessons
1. Dentistry	6	24
1.1. Organization of dental care in the Republic of Belarus. Caries and its complications. Prevention of dental diseases	-	3
1.2. Odontogenic inflammatory diseases	1,5	3
1.3. Non-odontogenic inflammatory diseases	-	3
1.4. Injuries of soft tissue structures of maxillofacial area	-	3
1.5. Injuries of bones of the facial part of skull	3	3
1.6. Primary medical care and priority measures for inflammatory processes and injuries of maxillofacial area	-	3
1.7. Neoplasms of the maxillofacial area	1,5	3
1.8. Congenital anomalies and acquired defects and deformities of maxillofacial area	-	3
2. Otorhinolaryngology	9	48
2.1. Diseases of the nose and paranasal sinuses. Rendering first aid	1,5	12
2.2. Diseases of the pharynx. Tumours of the pharynx. Rendering first aid	1,5	6
2.3. Diseases of the ear. Rendering first aid	4,5	18
2.4. Diseases of the larynx. Rendering first aid	1,5	12
Total hours	16	72

CONTENT OF THE EDUCATIONAL DISCIPLINE

1. Dentistry

1.1. Organization of dental care in the Republic of Belarus. Caries and its complications. Prevention of dental diseases

Organization of dental care on an outpatient basis and maxillofacial surgery services in the Republic of Belarus. Regulatory documents regulating the provision of dental care. Regulatory documents regulating the provision of assistance in maxillofacial surgery. Medical ethics and deontology.

Dental caries. Modern theories of the etiology and pathogenesis of dental caries. The role of microbial contamination of the oral cavity, enamel resistance and carbohydrate foods in the development of caries.

Classification of caries, clinical picture, diagnosis, principles of treatment.

Pulpitis: clinical manifestations, principles of treatment, provision of specialized medical care.

Apical periodontitis: clinical manifestations, principles of therapeutic and surgical treatment.

Principles of prevention of dental diseases. Prevention of dental caries and its complications. Prevention of odontogenic infection of the maxillofacial area and its complications.

Examination of patients with dental diseases of the maxillofacial area, collection of complaints and medical history, palpation of the maxillofacial area, physical examination, drawing up an examination plan, interpreting the results of laboratory and instrumental examination methods, formulating a diagnosis, drawing up a treatment plan. Preparation of medical documentation.

1.2. Odontogenic inflammatory diseases

Odontogenic inflammatory processes in the maxillofacial area: classification, ways of spreading infection.

Odontogenic periostitis: clinical picture, diagnosis, treatment methods.

Odontogenic osteomyelitis of the jaws: classification, clinical picture, diagnosis, treatment methods.

Odontogenic abscesses and phlegmons of the maxillofacial region: etiology, clinical picture, diagnosis, treatment.

Odontogenic lymphadenitis of the maxillofacial region and neck: etiology, clinical picture, diagnosis, principles of treatment.

Examination of patients with odontogenic inflammatory diseases of the maxillofacial area. Collection of complaints and anamnesis of odontogenic inflammatory diseases, palpation of the maxillofacial area for inflammatory diseases, physical examination, drawing up an examination plan, interpretation of the results of laboratory and instrumental examination methods, formulation of a diagnosis, drawing up a treatment plan for odontogenic inflammatory diseases. Preparation of medical documentation.

1.3. Non-odontogenic inflammatory diseases

Nonodontogenic osteomyelitis of the jaws: classification, clinical picture, diagnosis, treatment methods.

Boils and carbuncles of the face: clinical picture, diagnosis, principles of treatment.

Non-odontogenic lymphadenitis of the maxillofacial region and neck: etiology, clinical picture, diagnosis, differential diagnosis, principles of treatment.

Examination of patients with non-odontogenic inflammatory diseases of the maxillofacial area. Collection of complaints and anamnesis of non-odontogenic inflammatory diseases, palpation of the maxillofacial area for inflammatory diseases, physical examination, drawing up an examination plan, interpretation of the results of laboratory and instrumental examination methods, formulation of a diagnosis, drawing up a treatment plan for non-odontogenic inflammatory diseases. Preparation of medical documentation.

1.4. Injuries to soft tissue structures of the maxillofacial area

Classification of injuries to soft tissue structures of the maxillofacial region.

Principles of primary surgical treatment of wounds of the face and neck.

Bleeding in the maxillofacial area. Methods for stopping bleeding in the maxillofacial area.

Examination of patients with injuries of soft tissue structures of the maxillofacial area. Collection of complaints and medical history for injuries to soft tissue structures of the maxillofacial area, physical examination, drawing up an examination plan, interpretation of the results of laboratory and instrumental examination methods, formulation of a diagnosis, drawing up a treatment plan for injuries to soft tissue structures of the maxillofacial area. Preparation of medical documentation.

1.5. Injuries to the bones of the facial part of the skull

Classification of bone fractures of the facial skeleton.

Fractures of the lower jaw: classification, clinical picture, diagnosis, treatment, emergency medical care, types of temporary immobilization.

Fractures of the midface bones. Fractures of the maxilla, zygomatic bone, zygomatic arch, zygomatic-orbital and zygomatic-maxillary complexes: classification, clinical picture, diagnostics, treatment.

Combined injury: clinical picture, diagnosis, principles of treatment.

Examination of patients with injuries to the facial bones of the skull. Collection of complaints and anamnesis for injuries to the bones of the facial part of the skull, physical examination, drawing up an examination plan, interpretation of the results of laboratory and instrumental examination methods, formulating a diagnosis, drawing up a treatment plan for fractures of the bones of the facial part of the skull. Preparation of medical documentation.

1.6. Primary medical care and priority measures for inflammatory processes and injuries of the maxillofacial area

Classification of emergency conditions in the maxillofacial area during inflammatory processes and injuries of the maxillofacial area. Features of the provision of pre-medical care in emergency conditions in maxillofacial surgery and dentistry. Features of the provision of primary medical care in emergency conditions in maxillofacial surgery and dentistry. The procedure for referring patients for specialized medical care.

Examination of patients with inflammatory diseases and injuries of the maxillofacial area. Priority measures for inflammatory processes and injuries of the maxillofacial area. Preparation of medical documentation.

1.7. Neoplasms of the maxillofacial area

Classification of neoplasms of the maxillofacial region.

Benign neoplasms: classification, clinical picture, diagnosis, differential diagnosis, treatment.

Malignant neoplasms: clinical and morphological classification, clinical picture, diagnosis, differential diagnosis, treatment.

Examination of patients with neoplasms of the maxillofacial area. Collection of complaints and anamnesis for neoplasms of the maxillofacial area, physical examination, drawing up an examination plan, interpretation of the results of laboratory and instrumental examination methods, formulation of a diagnosis, drawing up a treatment plan for neoplasms of the maxillofacial area. Preparation of

medical documentation. Medical observation and clinical examination of patients with neoplasms of the maxillofacial area.

1.8. Congenital anomalies and acquired defects and deformations of the maxillofacial area

Classification of congenital anomalies and acquired defects and deformities of the maxillofacial region. Assessment of anthropometric data. Clinical picture of anomalies, defects and deformities, diagnostics, differential diagnostics, treatment plan, types of treatment. Indications and contraindications for plastic reconstructive and aesthetic surgeries in the maxillofacial region. Principles of planning plastic reconstructive and aesthetic surgeries in the maxillofacial region. Postoperative rehabilitation.

Examination of patients with congenital anomalies and acquired defects and deformities of the maxillofacial region. Collection of complaints and medical history for congenital anomalies and acquired defects and deformities of the maxillofacial region, physical examination, drawing up an examination plan, interpreting of the results of laboratory and instrumental examination methods, formulating a diagnosis, drawing up a treatment plan. Preparation of medical documentation.

2. Otorhinolaryngology

2.1. Diseases of the nose and paranasal sinuses. Rendering first aid

Diseases of the external nose and nasal cavity

Clinical anatomy and physiology of the nose and paranasal sinuses. Methods of investigation of the nose and paranasal sinuses: anterior, posterior rhinoscopy, endoscopic investigation of the nasal cavity and paranasal sinuses, X-ray imaging of the nasal bones and paranasal sinuses. Computed tomography of the paranasal sinuses.

Nasal furuncle: clinical findings, diagnostics, treatment, prophylaxis.

Eczema of the external nose: etiology, clinical findings, diagnostics, treatment.

Acute rhinitis: etiology, clinical findings, diagnostics, treatment.

Hematoma and abscess of the nasal septum: clinical findings, diagnostics, treatment.

Nasal septum deviation: etiology, symptomatology, indications for surgical treatment.

Congenital abnormalities of the external nose and nose cavity. Deformities of the external nose, rhinoplasty.

Chronic Rhinitis: classification, clinical findings, diagnostics, treatment.

Ozena: epidemiology, clinical findings, differential diagnosis, treatment.

Diseases of the paranasal sinuses

The features of the clinical course of sinusitis in children and adult patients.

Acute maxillary sinusitis: etiology, clinical findings, diagnostics, treatment.

Acute ethmoiditis: etiology, clinical findings, diagnostics, treatment.

Acute frontitis: etiology, clinical findings, diagnostics, treatment.

Acute sphenoiditis: etiology, clinical findings, diagnostics, treatment.

Chronic maxillary sinusitis: etiology, clinical findings, diagnostics, treatment.

Chronic ethmoiditis: etiology, clinical findings, diagnostics, treatment.

Chronic frontitis: etiology, clinical findings, diagnostics, treatment.

Chronic sphenoiditis: etiology, clinical findings, diagnostics, treatment.

Indications for surgical treatment of the diseases of the paranasal sinuses. Orbital and intracranial complications of the diseases of the nose and paranasal sinuses. Classification of rhinogenic orbital complications according to B.V. Shevrygin.

Eyelid edema, orbital periostitis: etiology, clinical findings, diagnostics, treatment.

Subperiosteal abscess: etiology, clinical findings, diagnostics, treatment.

Periorbital cellulitis, orbital phlegmon: etiology, clinical findings, diagnostics, treatment.

Arachnoiditis, meningitis, brain abscess, thrombosis of the cavernous sinus: etiology, clinical findings, diagnostics, treatment.

Malignant and benign tumours: diagnostics and treatment methods.

Examination of patients with diseases of the nose and paranasal sinuses, complaints and anamnesis of the disease gathering, physical examination, drawing up of examination plan, interpretation of the results of laboratory and instrumental examination methods, diagnosis formulation, drawing up of a treatment plan, substantiation of indications for surgical intervention. Registering medical record documents.

Nasal bleedings. Estimation methods of blood loss. Causes of nasal bleedings, clinical findings, methods to stop nose bleeding.

Dislocated and non-dislocated nasal fractures, open and closed fractures of the nasal bone.

2.2 Diseases of the pharynx. Tumours of the pharynx. Rendering first aid

Clinical anatomy and physiology of the pharynx. Methods of investigation of the pharynx: pharyngoscopy, epipharyngoscopy, finger investigation of the nasopharynx.

Pharyngeal lymphatic (Waldeyer's) ring, its role in formation of local and general immunity in children.

Adenoid vegetation and the palatine tonsil hyperplasia in children: diagnostics, treatment methods.

Classification of acute and chronic tonsillitis according to I.B. Soldatov. Differential diagnosis of acute tonsillitis. Chronic nonspecific tonsillitis: classification, diagnostics, treatment tactics and complications. Complications of acute and chronic tonsillitis (paratonsillitis, parapharyngitis, neck phlegmon, mediastinitis, sepsis). Prophylactic medical examination and treatment of patients with chronic tonsillitis.

Acute pharyngitis: etiology, clinical findings, diagnostics, treatment and prophylaxis.

Chronic pharyngitis, pharyngomycosis: classification, etiology, clinical findings, diagnostics, treatment and prophylaxis. Sleep disorders in children and adults: diagnostics and treatment methods.

Benign tumors (lymphangioma, angiofibroma, papillomatosis): clinical findings, diagnostics, treatment. Neck cysts. Malignant tumors of the pharynx (cancer, lymphosarcoma): methods of early diagnostics, treatment principles.

Examination of patients with diseases of the pharynx, complaints and anamnesis of the disease gathering, physical examination, drawing up of an examination plan, interpretation of the results of laboratory and instrumental examination methods, diagnosis formulation, drawing up of a treatment plan, substantiation of indications for surgical intervention. Registering medical record documents.

Foreign bodies of the pharynx. Methods of diagnostics and foreign bodies removal.

2.3. Diseases of the ear. Rendering first aid

Clinical anatomy and physiology of the ear. Testing hearing without an audiometer: hearing threshold for whispered voice and conversational speech, tuning fork tests. Different types of audiometric testing. Features of Hearing Tests for Children. Brainstem Auditory Evoked Potentials (BAEPs), Otoacoustic emissions (OAE) testing, new-born hearing screening.

Methods of vestibular function testing: history taking, study of static and dynamic balance disorders, spontaneous nystagmus: testing, differential diagnosis with cerebellar nystagmus.

Otitis externa (bacterial, fungal otitis externa, eczema, furuncle of the external auditory meatus): etiology, clinical findings, diagnostics, treatment.

Foreign bodies of the external auditory canal. Characteristics of foreign bodies. Removal methods of foreign bodies.

Acute and chronic catarrhal otitis media in children and adult patients: etiology, pathogenesis, diagnostics, treatment and prophylaxis.

Acute purulent otitis media: clinical findings, diagnostics, treatment. Specific forms of inflammation of the middle ear (scarlatinal otitis, measles otitis, influential otitis).

Fungal and bacterial ear infection: differential diagnosis.

Acute mastoiditis: penetration routes of the infection, indications for surgical treatment.

Otoantritis: etiology, clinical findings, diagnostics, treatment.

Paracentesis: principle of performing, its indications and complications.

Chronic diseases of the middle ear (mesotympanitis, epitympanitis, mesoepitympanitis): etiology, clinical findings, treatment. Indications for surgical treatment of chronic purulent otitis media. Principles of reconstructive and radical ear surgery, conservative treatment. Congenital malformations of the middle ear.

Labyrinthitis: etiology, clinical findings, treatment. Classification of labyrinthitis. Differential diagnosis of labyrinthitis. Meniere's disease, vestibular neuronitis: differential diagnosis.

Sensorineural hearing loss. Etiology, clinical findings, diagnostics, treatment. Rehabilitation of patients with sensorineural hearing loss. Cochlear implantation, surgical rehabilitation.

Otosclerosis: etiology, clinical findings, diagnostics, treatment.

Otogenic intracranial complications. Otogenic neuropathy of the facial nerve.

Thrombophlebitis of the sigmoid sinus: etiology, clinical findings, treatment.

Otogenic sepsis: etiology, clinical findings, diagnostics, treatment.

Meningitis (serous and purulent): pathogenesis, etiology, clinical findings, treatment.

Cerebral and cerebellar abscesses: etiology, clinical findings, diagnostics, treatment. Principles of ear surgery.

Examination of patients with diseases of the ear, complaints and anamnesis of the disease gathering, physical examination, drawing up of an examination plan, interpretation of the results of laboratory and instrumental examination methods, diagnosis formulation, drawing up of a treatment plan, substantiation of indications for surgical intervention. Registering medical record documents.

2.4. Diseases of the larynx. Rendering first aid

Larynx-applied anatomy and physiology. Indirect and direct laryngoscopy. Radiological and endoscopic methods of diagnostics of laryngeal, tracheal, bronchial and esophageal diseases. Acute laryngeal diseases. Acute laryngitis. Subglottic laryngitis in children. Acute laryngeal stenosis, surgical methods of treatment. Stages of laryngotracheal stenosis. Indications and mechanism of tracheostomy, conicotomy.

Chronic laryngitis: classification, clinical findings, diagnostics, treatment.

Chronic laryngeal stenosis: treatment methods.

Paresis and paralyse of the larynx: etiology, clinical findings, diagnostics, treatment.

Specific diseases of the larynx (fungal laryngitis, scleroma, tuberculosis, syphilis): classification, clinical findings, differential diagnosis, treatment.

Tumor-like laryngeal diseases: vocal nodules, laryngeal cysts and polyps. Benign laryngeal tumors. Juvenile papillomatosis of the larynx in children and adults: etiology, clinical findings, diagnostics, treatment. Malignant tumors of the larynx (cancer, sarcoma), methods of early diagnostics, treatment concepts.

Examination of patients with diseases of the larynx, complaints and anamnesis of the disease gathering, physical examination, drawing up of an examination plan, interpretation of the results of laboratory and instrumental examination methods, diagnosis formulation, drawing up of a treatment plan, substantiation of indications for surgical intervention. Registering medical record documents.

Foreign bodies of the larynx, tracheas, bronchial tree, esophagus. Methods of diagnostics and foreign bodies removal.

EDUCATIONAL DISCIPLINE CURRICULAR CHART

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Literature	Practical skills	Form of control	
		lectures	practical				of practical skills	of current / intermediate assessment
	5 semester							
	Lectures	3	-	3				
1.	Odontogenic abscesses and phlegmons of the maxillofacial area. Complications of odontogenic processes in the maxillofacial area	1,5	-	-	1, 22			
2.	Injuries of bones of facial part of skull. Complications of injuries of bones of facial skeleton	1,5	-	1,5	1, 22			Tests
3.	Benign neoplasms of the maxillofacial area	-	-	1,5	1, 22			Tests
	Practical lessons	-	24	-				
1.	Organization of dental care in the Republic of Belarus. Caries and its complications. Prevention of dental diseases	-	3	2	1, 22	1. Visual examination of the maxillofacial region. 2. Anthropometric measurements of the face using a ruler	Performing a practical skill using a simulated participant. Performing a practical skill on simulation equipment	Electronic tests, situational tasks, survey
2.	Odontogenic inflammatory diseases	-	3	-	1, 13, 22	Palpation of regional lymph nodes of the head and neck	Performing a practical skill using a simulated participant	Electronic tests, situational tasks, survey
3.	Non-odontogenic inflammatory	-	3	-	1, 22	Palpation of regional lymph	Performing a practical	Electronic tests,

	diseases					nodes of the head and neck	skill using a simulated participant	situational tasks, survey
4.	Injuries of soft tissue structures of maxillofacial area	-	3	-	1, 22	1. Visual examination of the maxillofacial region. 2. Primary surgical treatment of the maxillofacial wound	Performing a practical skill using a simulated participant. Performing a practical skill on simulation equipment	Electronic tests, situational tasks, survey
5.	Injuries of bones of the facial part of skull	-	3	-	1, 12, 15, 20, 21, 22	1. Palpation of the contour of the lower edge of the mandible. 2. Palpation of the contour of the edges of the orbit	Performing a practical skill using a simulated participant.	Electronic tests, situational tasks, survey
6.	Primary medical care and priority measures for inflammatory processes and injuries of maxillofacial area	-	3	-	1, 15, 22	Primary surgical treatment of a wound in the maxillofacial region	Performing a practical skill on simulation equipment.	Electronic tests, situational tasks, survey
7.	Neoplasms of the maxillofacial area	-	3	-	1, 16, 17, 18, 22	1. Registration of a referral for a cytological examination. 2. Registration of a referral for a histological examination	Solving a situational problem	Electronic tests, situational tasks, survey
8.	Congenital anomalies and acquired defects and deformities of maxillofacial area	-	3	-	1, 14, 19, 22	Analysis of radiographs for various pathologies of the maxillofacial region*	Solving a situational problem	Electronic tests, situational tasks, survey, control survey*
7 semester								
	Lectures	6	-	3				
1.	Diseases of the nose and paranasal sinuses	1,5	-	-	2, 22			
2.	Diseases of the pharynx. Tumours of the pharynx	1,5	-	-	2, 22			
3.	Clinical anatomy and physiology of the ear. Methods of hearing investigations and vestibular function tests. Features of hearing investigations in children. Diseases of the external ear	-	-	1,5	2, 22			Electronic tests

4.	Acute and chronic diseases of the middle ear	1,5	-	-	2, 22			
5.	Diseases of the inner ear. Otogenic intracranial complications	-	-	1,5	2, 22			Electronic tests
6.	Diseases of the larynx	1,5	-	-	2, 22			
	Practical lessons	-	48	-				
1.	Diseases of the external nose and nasal cavity. Methods of investigation, clinical anatomy and physiology of the nose and paranasal sinuses. Nosebleeds, methods of stopping them	-	6	-	2, 5, 7, 22	1. Anterior and posterior rhinoscopy. 2. Evaluation of the results of rhinocytography. 3. Stopping nosebleeds (anterior nasal tamponade)	Performing a skill at the patient's bedside; situational tasks solving; performing a practical skill on simulation equipment*	Reports, tests, control work
2.	Diseases of the paranasal sinuses. Orbital and intracranial complications of inflammatory diseases of the nose and paranasal sinuses. First aid for injuries to the nose and paranasal sinuses	-	6	-	2, 3, 6, 8, 22	1. Palpation of the paranasal sinuses. 2. Interpretation of radiographs, magnetic resonance imaging and computed tomography of the nose and paranasal sinuses	Performing a skill at the patient's bedside; situational tasks solving	Reports; tests; control work
3.	Diseases of the pharynx. Tumors of the pharynx. Rendering first aid	-	6	-	2, 7, 9, 10, 22	Taking biological material from the nose, oropharynx, ear	Performing a skill at the patient's bedside	Reports; tests; control work
4.	Clinical anatomy and physiology of the ear. Methods of examination of hearing and vestibular apparatus. Diseases of the external ear. Methods of removing foreign bodies	-	6	-	2, 7, 22	1. Examination of auditory function (whispered speech and tuning forks). 2. Audiogram interpretation. 3. Rinsing the external auditory canal	Situational tasks solving; performing a practical skill on simulation equipment	Reports; tests; control work
5.	Acute and chronic diseases of the middle ear. Peculiarities of the course of acute otitis media in children. Paracentesis, tactics of managing patients with acute purulent otitis media	-	6	-	2, 7, 11, 22	1. Otoscopy. 2. Palpation of the mastoid processes	Performing a practical skill on simulation equipment; performing a skill at the patient's bedside	Reports; tests; control work*

6.	Diseases of the inner ear. Otogenic complications	--	6	-	2, 6, 7, 22	Pressor test	Performing a skill at the patient's bedside	reports at practical classes; tests; control work
7.	Clinical anatomy, physiology and methods of research of the larynx. Acute diseases of the larynx. Acute laryngeal stenosis, its treatment	-	6	-	2, 7, 22	Pharyngoscopy (epi-, meso-, hypopharyngoscopy)	Performing a skill at the patient's bedside	reports at practical classes; tests; control work
8.	Chronic diseases of the larynx. Tumors of the larynx. Final lesson on the section «Otolaryngology»	-	6	-	2, 7, 22	Tracheostomy care	Performing a skill at the patient's bedside	Differentiated credit
		9	72	6				

*This is a mandatory form of current certification

INFORMATION AND INSTRUCTIONAL UNIT

LITERATURE

Basic:

1. Oral surgery : textbook/ ed. by S. V. Tarasenko. – Moscow : GEOTAR-Media, 2023. – 639 p.

2. Corbridge, R. Oxford handbook of ENT and head and neck surgery / R. Corbridge, N. Steventon. –3 ed. – Oxford : Oxford University Press, 2020. – 488 p.

Additional:

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METHODOLOGICAL RECOMMENDATIONS FOR THE ORGANIZATION AND PERFORMANCE OF STUDENT INDEPENDENT WORK IN THE ACADEMIC DISCIPLINE

The time allocated for independent work can be used by students for:

- preparing for lectures and practical classes;
- problem solving;
- performing research and creative tasks;
- preparing thematic reports, abstracts, presentations;
- performing practical tasks;
- taking notes of educational literature;
- preparing reports;
- compiling a review of scientific literature on a given topic;
- execution of information and demonstration materials (stands, posters, graphs, tables, newspapers, etc.);
- compilation of a thematic selection of literature sources, Internet sources;
- preparation of tests by students for the organization of mutual knowledge assessment.

METHODOLOGICAL RECOMMENDATIONS FOR THE ORGANIZATION AND PERFORMANCE OF SUPERVISED STUDENT INDEPENDENT WORK IN THE ACADEMIC DISCIPLINE

APPROXIMATE LIST OF TASKS FOR SUPERVISED STUDENT INDEPENDENT WORK:

- writing and presentation of an abstract;
- computer testing;
- preparation and participation in active forms of learning.

FORMS OF CONTROL OF SUPERVISED STUDENT INDEPENDENT WORK:

- computer testing.

LIST OF AVAILABLE DIAGNOSTIC TOOLS

The following forms are used to diagnose competencies:

- defense of the report;
- solving situational problems;
- tests, including electronic ones;
- control survey;
- test work;
- assessment using electronic-mechanical simulators and robotic trainers.

LIST OF AVAILABLE TEACHING METHODS

Traditional method (lecture, laboratory practicals);

Active (interactive) methods:

PBL (Problem-Based Learning);

TBL (Team-Based Learning);

CBL (Case-Based Learning);

RBL (Research-Based Learning).

LIST OF PRACTICAL SKILLS

Name of the practical skill	Form of control of practical skills
1. Otoscopy	Performing practical skills on simulation equipment
2. Anterior and posterior rhinoscopy	Performing the skill at the patient's bedside
3. Pharyngoscopy (epi-, meso-, hypopharyngoscopy)	Performing the skill at the patient's bedside
4. Study of auditory function (whispered speech and tuning forks)	Solving situational problems
5. Interpretation of audiograms	Solving situational problems
6. Pressor test	Performing the skill at the patient's bedside
7. Palpation of the paranasal sinus area	Performing the skill at the patient's bedside
8. Palpation of the mammillary processes	Performing the skill at the patient's bedside
9. Evaluation of rhinocytogram results	Solving situational problems
10. Taking biological material from the nose, oropharynx, ear	Performing the skill at the patient's bedside
11. Stopping nosebleeds (anterior nasal tamponade)	Performing practical skills on simulation equipment
12. Washing the external auditory canal	Performing practical skills on simulation equipment
13. Interpretation of radiographs, magnetic resonance imaging and computed tomography of the nose and paranasal sinuses	Solving situational problems
14. Tracheostomy care	Performing the skill at the patient's bedside
15. Visual examination of the maxillofacial region	Performing a practical skill using a simulated participant
16. Palpation of regional lymph nodes of the head and neck	Performing a practical skill using a simulated participant
17. Palpation of the contour of the lower edge of the lower jaw	Performing a practical skill using a simulated participant

18. Palpation of the orbital margin contours	Performing a practical skill using a simulated participant
19. Registration of a referral for cytological examination	Solving situational problems
20. Registration of a referral for histological examination	Solving situational problems
21. Anthropometric measurements of the face using a ruler	Performing a practical skill using a simulated participant
22. Performing primary surgical treatment of a wound in the maxillofacial area	Performing a practical skill using a simulated participant
23. Analysis of radiographs for various pathologies of the maxillofacial region	Solving situational problems

LIST OF SIMULATION EQUIPMENT USED

1. Simulator for medical otoscopy, phantom for otoscopy and ear care.
2. Simulator for practicing cricothyrotomy skills.
3. Simulator for practicing nosebleed stopping skills.
4. Skin simulator for suturing in the maxillofacial area.

**PROTOCOL OF THE CURRICULUM APPROVAL
BY OTHER DEPARTMENTS**

Title of the discipline requiring approval	Department	Amendments to the curriculum in the academic discipline	Decision of the department, which designed the curriculum (date, protocol #)
1. Oncology	Department of Oncology with Advanced Training and Retraining Course	There are no offered changes in the curriculum	protocol # 15 of 30.04.2025
2. Ophthalmology	Department of Eye Diseases	There are no offered changes in the curriculum	protocol # 11 of 23.04.2025

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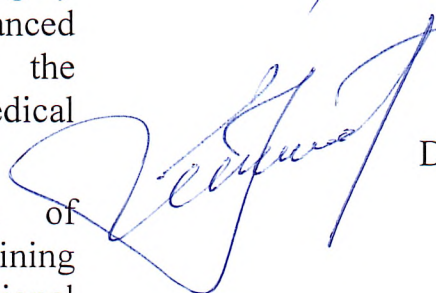
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L.G.Petrova

Curriculum content, composition and the accompanying documents comply with the established requirements.

Head of the Office of Educational Activities of
the educational institution «Belarusian State
Medical University»

26.06.2025



I.L.Kotovich

Methodologist of the Educational and
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University»

26.06.2025



S.V.Zaturanova