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MINISTRY OF EDUCATION AND SCIENCE OF RUSSIA

**Federal State Budgetary Educational Institution
of higher education**

«I.N. Ulianov Chuvash State University»
(FSBEI of HE «I.N. Ulianov Chuvash State University»)

Medical Faculty

Department of Ophthalmology and Otolaryngology

«APPROVE»

Vice-rector for Academic Affairs


I.E. Poverinov

« 13 » 04 2022

Working programs of the discipline (module)
«Оториноларингология / Otorhinolaryngology»

Direction of training / specialty 31.05.03 Стоматология / Dentistry
Graduate's qualification Врач-стоматолог / Dental Practitioner

Direction (profile) / specialization «Dentistry»

Form of training – очная / intramural

Course – 4

Term – 7

Total academic hours/credit points – 72/2

The year of beginning the training – 2022

The fundamental document for compiling the working program of the discipline (module)
Федеральный государственный образовательный стандарт высшего образования -
специалитет по специальности 31.05.03 Стоматология (приказ Минобрнауки России от
12.08.2020 г. № 984)

Approved by:

Docent, Candidate of Medical Sciences Yu.Yu. Orlova

The working program was approved at the meeting of the Department of Ophthalmology
and Otolaryngology,

15.03.2022, protocol № 8

Head of the department N.P. Pashtaev

Approved by

Dean of the Medical Faculty V.N. Diomidova

Acting Head of the Educational and Methodological Department E.A. Shirmanova

1. The purpose and objectives of training in the discipline (module)

The purpose of the discipline - preparation of a qualified dentist who has a system of professional competencies in otorhinolaryngology, capable and ready for their independent use in further professional activities.

The objectives of the discipline - 1. formation of an idea of the prevalence and significance of otorhinolaryngological diseases in general pathology and the importance of the study of ENT organs in the general system of clinical examination of the patient;

2. formation of methodological and methodological foundations of clinical thinking and rational action of a doctor in the tactics of selecting and conducting otorhinolaryngological treatment;

3. formation of the ability to conduct an examination of the ear, throat, nose and larynx; 4. study of etiology, pathogenesis, clinical signs, methods of prevention and treatment of major otorhinolaryngological diseases; 5. mastering by students of practical skills and methods of providing emergency care for acute otorhinolaryngological diseases and injuries;

6. formation of knowledge about the outpatient otorhinolaryngological service as a link in the organization of medical and preventive care in the healthcare system;

7. improvement of knowledge of the basics of health insurance in the field of providing otorhinolaryngological care;

8. improvement of knowledge of the basics of medical ethics, deontology of a doctor and medical psychology in the field of otorhinolaryngology;

9. attraction to participate in solving certain research and scientific-applied tasks in the field of health care for the study of etiology and pathogenesis, diagnosis, treatment, rehabilitation and prevention of otorhinolaryngological diseases.

2. The place of practical training in the structure of the educational program of higher education

The discipline «Оториноларингология / Otorhinolaryngology» относится к обязательной части учебного плана refers to the mandatory part in the curriculum of the educational program of higher education (hereinafter referred to as the EP of HE) in the field of training / specialty 31.05.03 Стоматология, direction (profile) / specialization of the program «Dentistry».

Previous academic disciplines (modules) and (or) practices that form the knowledge, skills and abilities necessary for training in the discipline (module):

Неврология / Neurology

Общая хирургия / General Surgery

Пропедевтика внутренних болезней / Propaedeutics of Internal Diseases

Пропедевтическая стоматология / Propaedeutic Dentistry

Лучевая диагностика / Diagnostic Radiology

Производственная практика (практика по получению профессиональных умений и опыта профессиональной деятельности (по профилактической стоматологии)) / On- the-job training (practical training in obtaining professional skills and professional experience (in surgical dentistry))

Производственная практика (клиническая практика по стоматологии общей практики) / On-the-job training (clinical practice in general dentistry)

Knowledge, skills and abilities formed as a result of training in a discipline (module) are necessary when teaching in the following disciplines (modules) and (or) practices:

Хирургические болезни / Surgical Diseases

Офтальмология / Ophthalmology

Подготовка к сдаче и сдача государственного экзамена / Preparation for passing and passing the state exam

Производственная практика (практика по получению профессиональных умений и опыта профессиональной деятельности (по терапевтической стоматологии)) / On-the- job training (practical training in obtaining professional skills and professional experience (in therapeutic dentistry))

Производственная практика (практика по получению профессиональных умений и опыта профессиональной деятельности (по ортопедической стоматологии)) / On-the- job training (practical training in obtaining professional skills and professional experience (in orthopedic dentistry))

Фтизиатрия / Phthisiology

Педиатрия / Pediatrics

Производственная практика (практика по получению профессиональных умений и опыта профессиональной деятельности (по детской стоматологии)) / On-the-job training (practical training for obtaining professional skills and professional experience (in pediatric dentistry))

Челюстно-лицевая хирургия / Maxillofacial Surgery

Психиатрия и наркология / Psychiatry and Addiction Medicine

Акушерство и гинекология / Obstetrics and Gynecology

Гнатология в ортодонтии / Gnathology in Orthodontics

Хирургическая стоматология / Surgical Dentistry

Терапевтическая стоматология / Therapeutic Dentistry

Производственная практика (практика по получению профессиональных умений и опыта профессиональной деятельности (по хирургической стоматологии)) / On-the- job training (practical training in obtaining professional skills and professional experience (in surgical dentistry))

Детская стоматология / Pediatric Dentistry

Дерматовенерология / Dermatovenereology

Внутренние болезни / Internal Diseases

Клиническая лабораторная диагностика / Clinical Laboratory Diagnostics

3. Planned learning outcomes in the discipline (module), correlated with the planned learning outcomes

Planned learning outcomes in the discipline (module), correlated with the planned learning outcomes

Code and name of the competence	Code and name of the competence achievement	Descriptors for the indicator of competence achievement (learning)
ОПК-5 Способен проводить обследование пациента с целью установления диагноза при решении профессиональных задач / He/she is able to conduct a patient's examination in order to make a diagnosis when solving professional problems	ОПК-5.1 Способен применять алгоритм обследования пациента / He/she is able to apply the algorithm of patient's examination	с оториноларингопатологией, предусмотренной данной рабочей программой дисциплины с оториноларингопатологией, имеющей высокое социальное значение с острой оториноларингологической патологией
ОПК-5 Способен проводить обследование	ОПК-5.2 Способен применять навыки	с оториноларингопатологией, предусмотренной данной

<p>пациента с целью установления диагноза при решении профессиональных задач / He/she is able to conduct a patient's examination in order to make a diagnosis when solving professional problems</p>	<p>обследования пациента (сбор жалоб, анамнеза, физикальное обследование) / He/she is able to apply the skills of examining the patient (collecting complaints, taking the history, carrying out physical examination)</p>	<p>рабочей программой дисциплины с оториноларингопатологией, имеющей высокое социальное значение с острой оториноларингологической патологией</p>
<p>ОПК-5 Способен проводить обследование пациента с целью установления диагноза при решении профессиональных задач / He/she is able to conduct a patient's examination in order to make a diagnosis when solving professional problems</p>	<p>ОПК-5.3 Способен анализировать информацию полученную при обследовании пациента / He/she is able to analyze the information obtained during the patient's examination</p>	<p>с оториноларингопатологией, предусмотренной данной рабочей программой дисциплины с оториноларингопатологией, имеющей высокое социальное значение с острой оториноларингологической патологией</p>
<p>ПК-1 Способен провести обследования пациента с целью установления диагноза / He/she is able to perform a patient's examination in order to make a diagnosis</p>	<p>ПК-1.1 Способен провести физикальное обследования пациента (сбор жалоб и анамнеза, осмотр, пальпация, перкуссия) / He/she is able to conduct a patient's physical examination (taking a history, inspection, palpation, percussion)</p>	<p>в соответствии с действующими порядками оказания медицинской помощи, клиническими рекомендациями (протоколами лечения) с учетом стандартов медицинском помощи пациентам с оториноларингологической патологией в соответствии с действующими порядками оказания медицинской помощи, клиническими рекомендациями (протоколами лечения) с учетом стандартов медицинском помощи пациентам с оториноларингологической патологией в соответствии с действующими порядками оказания медицинской помощи, клиническими рекомендациями (протоколами лечения) с учетом стандартов медицинском помощи пациентам с оториноларингологической патологией</p>
<p>ПК-1 Способен провести обследования пациента с целью установления диагноза / He/she is able to perform a patient's</p>	<p>ПК-1.2 Способен анализировать информацию, полученную при проведении</p>	<p>в соответствии с действующими порядками оказания медицинской помощи, клиническими рекомендациями (протоколами лечения) с учетом</p>

<p>examination in order to make a diagnosis</p>	<p>физикального обследования, дополнительных методов исследования, сформулировать предварительный диагноз / He/she is able to analyze the information obtained during the physical examination, additional examination methods, formulate a preliminary diagnosis</p>	<p>стандартов медицинском помощи пациентам с оториноларингологической патологией в соответствии с действующими порядками оказания медицинской помощи, клиническими рекомендациями (протоколами лечения) с учетом стандартов медицинском помощи пациентам с оториноларингологической патологией в соответствии с действующими порядками оказания медицинской помощи, клиническими рекомендациями (протоколами лечения) с учетом стандартов медицинском помощи пациентам с оториноларингологической патологией</p>
<p>ПК-1 Способен провести обследования пациента с целью установления диагноза / He/she is able to perform a patient's examination in order to make a diagnosis</p>	<p>ПК-1.3 Способен сформулировать диагноз на основании полученной информации / He/she is able to formulate a preliminary diagnosis on the basis of information obtained</p>	<p>в соответствии с действующими порядками оказания медицинской помощи, клиническими рекомендациями (протоколами лечения) с учетом стандартов медицинском помощи пациентам с оториноларингологической патологией в соответствии с действующими порядками оказания медицинской помощи, клиническими рекомендациями (протоколами лечения) с учетом стандартов медицинском помощи пациентам с оториноларингологической патологией в соответствии с действующими порядками оказания медицинской помощи, клиническими рекомендациями (протоколами лечения) с учетом стандартов медицинском помощи пациентам с оториноларингологической патологией</p>

4. Structure, scope and content of the discipline (module)

Educational activities in the discipline (module) are carried out:

- in the form of students' face-to-face work with the teaching staff of the organization

and (or) persons involved by the organization to implement the educational programs on other terms (hereinafter - contact work);

- in the form of students' independent work.

Face-to-face work can be classroom-based, extramural, as well as it can be conducted in an electronic information and educational environment (EIEE).

Learning sessions in the discipline (module) and interim assessment of students are conducted in the form of face-to-face work and in the form of students' independent work.

During learning sessions in the discipline (module) face-to-face work includes: lecture-type classes, seminar-type classes and (or) group consultations, and (or) individual work of students with the teaching staff of the organization and (or) persons involved by the organization to implement the educational programs on other terms (including individual consultations).

Legend:

Lec – lectures, Lab – laboratory work, Pr – practical classes, ICW – individual face-to-face work, IW – independent work.

4.1. Content of the discipline (module)

Section name	The section's content	Formed competences	Competence achievement indicator
INTRODUCTION CLINICAL ANATOMY, PHYSIOLOGY, ENT RESEARCH METHODS	NUMBER 1. INTRODUCTION. CLINICAL ANATOMY, PHYSIOLOGY, METHODS OF INVESTIGATION OF THE NOSE, PHARYNX, LARYNX.	ПК-1, ПК-5	ПК-1.1, ПК-1.2, ПК-1.3, ПК- 5.1, ПК-5.2, ПК-5.3
	NUMBER 2. CLINICAL ANATOMY, PHYSIOLOGY, EAR EXAMINATION METHODS.		
UPPER RESPIRATORY DISEASES	NUMBER 3. DISEASES OF THE NOSE AND PARANASAL SINS. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE NOSE AND PARANASAL SINS.		
	NUMBER 4. DISEASES OF THE THROAT. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE PHARYNX.		

UPPER RESPIRATORY DISEASES	NUMBER 5. DISEASES OF THE LARYNX. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE LARYNX.	ПК-1, ОПК-5	ПК-1.1, ПК-1.2, ПК-1.3, ОПК-5.1, ОПК-5.2, ОПК-5.3
EAR DISEASES	NUMBER 6. DISEASES OF THE OUTER AND MIDDLE EAR. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS EAR GRANULOMAS.		
	NUMBER 7. OTOGENIC INTRACRANIAL COMPLICATIONS.		
	NUMBER 8. NON-PURULENT DISEASES OF THE EAR. PROFESSIONAL DISEASES OF ENT ORGANS.		
ICW	Individual contact work (control work)		
	Individual contact work (test)		

4.2. Scope of the discipline and types of academic work

Forms of control and types of academic work	Labor intensity of the discipline (module)	
	7	total
1. Face-to-face work:	48,4	48,4
In-class learning in total, including:	48	48
Лекционные занятия (Лек)	16	16
Лабораторные занятия (Лаб)	32	32
Индивидуальная контактная работа (ИКР)	0,4	0,4
2. Independent work of the student:	23,6	23,6

3. Intermediate certification (exam) (зачет)		3a	3a
Total:	academic hours	72	72
	credit units	2	2

№ item	The section's (theme's) name	Face-to face work, including in the electronic information and educational environment, academic hours				IW, academic hours	Total, academ ic hours
		Lect.	Pr.	Lab.	ICW		
	INTRODUCTION CLINICAL ANATOMY, PHYSIOLOGY, ENT RESEARCH METHODS						
1	NUMBER 1. INTRODUCTION. CLINICAL ANATOMY, PHYSIOLOGY, METHODS OF INVESTIGATION OF THE NOSE, PHARYNX, LARYNX.	2		4		3	9
2	NUMBER 2. CLINICAL ANATOMY, PHYSIOLOGY, EAR EXAMINATION METHODS.	2		4		3	9
	UPPER RESPIRATORY DISEASES						
3	NUMBER 3. DISEASES OF THE NOSE AND PARANASAL SINS. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE NOSE AND PARANASAL SINS.	2		4		3	9
4	NUMBER 4. DISEASES OF THE THROAT. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE PHARYNX.	2		4		3	9
5	NUMBER 5. DISEASES OF THE LARYNX. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE LARYNX.	2		4		3	9

	EAR DISEASES						
6	NUMBER 6. DISEASES OF THE OUTER AND MIDDLE EAR. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS EAR GRANULOMAS.	2		4		3	9
7	NUMBER 7. OTOGENIC INTRACRANIAL COMPLICATIONS.	2		4		3	9
8	NUMBER 8. NON-PURULENT DISEASES OF THE EAR. PROFESSIONAL DISEASES OF ENT ORGANS.	2		4		2,6	8,6
	ICW						
9	Individual contact work (control work)				0,2		0,2
10	Individual contact work (test)				0,2		0,2
Total academic hours		16		32	0,4	23,6	72

4.3. Summary of the discipline (module), structured by sections (topics)

Раздел 1. INTRODUCTION CLINICAL ANATOMY, PHYSIOLOGY, ENT RESEARCH METHODS

Тема 1. NUMBER 1. INTRODUCTION. CLINICAL ANATOMY, PHYSIOLOGY, METHODS OF INVESTIGATION OF THE NOSE, PHARYNX, LARYNX.

Лекционное занятие. NUMBER 1. "INTRODUCTION. CLINICAL ANATOMY, PHYSIOLOGY, METHODS OF INVESTIGATION OF THE NOSE, PHARYNX, LARYNX."

1. History and development paths of speciality. Domestic schools of otorhinolaryngology.

2. Social importance of diseases of ENT organs. Tasks of teaching otorhinolaryngology at a medical higher educational institution.

3. Clinical anatomy and physiology, methods for examining the nose and paranasal sinuses.

4. Clinical anatomy and physiology, methods of examination of the pharynx, larynx.

Лабораторное занятие. NUMBER 1. INTRODUCTION. CLINICAL ANATOMY, PHYSIOLOGY, METHODS OF INVESTIGATION OF THE NOSE, PHARYNX, LARYNX.

Laboratory lesson. NUMBER 1. INTRODUCTION. CLINICAL ANATOMY, PHYSIOLOGY, METHODS FOR EXAMINING THE NOSE, THE PHARYNX, THE LARYNX.

The social significance of diseases of ENT organs and their relationship with the pathology of other organs and systems. Anatomy, physiology of the nose and paranasal sinuses. The structure of the nasal mucosa. Features of the structure of the nasal cavity in

young children and their significance in the clinical pathology of childhood. Functions of the nose and paranasal sinuses.

Methods of examination of the nose, paranasal sinuses: external examination and anterior, posterior rhinoscopy, additional methods of examination (radiography of the nasal bones in lateral projections, radiography of the paranasal sinuses without and with contrast, radioisotope scintigraphy, CT and ultrasound of the paranasal sinuses, rhinoendoscopy, diagnostic puncture of the maxillary and bypass of the frontal sinuses, odorimetry and olfactometry), features in children.

Anatomy, physiology and methods of pharyngeal examination. Lymphoid ring, age features. Functions of the pharynx.

Methods of pharyngeal examination: external examination, epipharyngoscopy, mesopharyngoscopy, hypopharyngoscopy, additional methods of pharyngeal examination (finger examination of the pharynx, MR-imaging, radioisotope scintigraphy of the pharynx, X-ray imaging of the esophagus without and with contrast, ultrasound of the neck organs, fibro- and rigid pharyngoesophagoscopy), special features in children.

Topography of the larynx. Blood supply, laryngeal innervation. The recurrent nerve. Age-related features of the structure of the larynx. Respiratory, vocal and reflex functions of the larynx.

Laryngeal examination methods: external examination, laryngeal palpation, indirect laryngoscopy, additional laryngeal examination methods (X-ray tomography, CT, NMRI, radioisotope scintigraphy of the larynx, direct laryngoscopy, suspension microlaryngoscopy light and fluorescent, laryngostroboscopy, electromyography of external and laryngeal internal muscles, phonography and electroacoustic analysis of voice, spirometry), features in children.

Тема 2. NUMBER 2. CLINICAL ANATOMY, PHYSIOLOGY, EAR EXAMINATION METHODS.

Лекционное занятие. NUMBER 2. "CLINICAL ANATOMY, PHYSIOLOGY, METHODS OF EXAMINATION OF THE EAR".

1. Characteristic of an adequate stimulus of the auditory analyzer.
2. Sound conduction system.
3. Concepts of sound perception.
4. Subjective and objective methods of hearing examination.
5. The concept of the statokinetic system of the body.
6. Structure of the peripheral and central parts of the vestibular apparatus.
7. Physiology of the vestibular analyzer.
8. Methods of examining the vestibular analyzer.

Лабораторное занятие. NUMBER 2. CLINICAL ANATOMY, PHYSIOLOGY, EAR EXAMINATION METHODS.

Laboratory lesson. NUMBER 2. CLINICAL ANATOMY, PHYSIOLOGY, METHODS OF EAR EXAMINATION.

Clinical anatomy of the external, middle and inner ear. The walls of the tympanic cavity. The auditory tube, its role in the pathology of the middle ear. The receptor apparatus of the cochlea. Conducting pathways of the vestibular analyzer: Blood supply and innervation of the ear. Sound-conducting and sound-perceiving system of the hearing apparatus.

Methods of ear examination: external examination, otoscopy, determination of the auditory tube patency, additional examination methods (X-ray of the temporal bones by Schueller, Mayer, Stenvers, CT of the temporal bones, NMRI of the brain, angiography and ultrasound of the cerebral vessels),

Examination of the auditory analyzer - compilation of an acoustic passport (examination of hearing by tuning fork, whispering and colloquial speech, shouting), additional methods of studying the acoustic apparatus (subjective: tonal threshold and supra- threshold, speech and game audiometry, loudness recruitment detection; objective: impedansometry, tympanometry, registration of otoacoustic emission and induced auditory potentials).

Vestibular part of the inner ear. The structure of the peripheral and the central department of the vestibular analyzer. The structure of ampullary and otolithic receptors. Conducting pathways of the vestibular analyzer: Physiology of the vestibular analyzer. Vestibular reactions

Vestibular analyzer examination - compilation of vestibulometric passport (examination of stability in the Romberg pose, straight and flank gait, spontaneous, pressor, caloric, rotational, galvanic nystagmus), additional methods of vestibular apparatus examination (subjective: otolithic test, objective: nystagmography, cephalography, stabilography).

Раздел 2. UPPER RESPIRATORY DISEASES

Тема 3. NUMBER 3. DISEASES OF THE NOSE AND PARANASAL SINS. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE NOSE AND PARANASAL SINS.

Лекционное занятие. NUMBER 3. "DISEASES OF THE NOSE AND PARANASAL SINS. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE NOSE AND PARANASAL SINS".

1. Diseases of the nose
2. Acute and chronic sinusites.
3. Rhinogenic orbital and intracranial complications.
4. Trauma to the nose and paranasal sinuses.
5. Foreign bodies of the nose and paranasal sinuses.
6. Nosebleeds.
7. Tumors and specific granulomas of the nose and paranasal sinuses.

Лабораторное занятие. NUMBER 3. DISEASES OF THE NOSE AND PARANASAL SINS. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE NOSE AND PARANAS.

Congenital anomalies of the nose, nasal furuncle, sycosis, rhinitis, sinusitis, deviated septum; etiopathogenesis, forms (classification), clinical presentation, diagnosis, treatment (conservative, operative), features of the course and treatment in children, prevention. Rhinogenic complications (local, intracranial, orbital), their etiology, pathogenesis, clinical presentation, diagnosis, complex treatment, prevention.

Injuries, foreign bodies of the nose, paranasal sinuses. Pathogenesis, clinical presentation, diagnosis, treatment, complications. Nosebleed. Pathogenesis, clinical presentation, diagnostics, methods of stopping. Tumor-like lesions, benign and malignant neoplasms of the nose and paranasal sinuses. Etiopathogenesis, clinical presentation,

principles of diagnosis and treatment. Syphilis, tuberculosis, scleroma, leprosy of the nose and paranasal sinuses. Etiopathogenesis, clinical presentation, diagnosis, treatment, prevention.

Damage to the nose and paranasal sinuses in Wegener's disease and AIDS. Tumor-like lesions, benign and malignant neoplasms of the nose and paranasal sinuses. Etiopathogenesis, clinical presentation, diagnosis, treatment, complications, prevention.

Тема 4. NUMBER 4. DISEASES OF THE THROAT. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE PHARYNX.

Лекционное занятие. NUMBER 4. "DISEASES OF THE PHARYNGEA. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE PHARYNX".

1. Acute diseases of the pharynx.
2. Chronic diseases of the pharynx.
3. Chronic tonsillitis. 6. Tonsilogenic complications, diseases.
4. Injuries of the pharynx.
2. Foreign bodies in the pharynx, esophagus
6. Tumors and specific granulomas of the pharynx.

Лабораторное занятие. NUMBER 4. DISEASES OF THE THROAT. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE PHARYNX.

Acute and chronic pharyngitis. Etiology, pathogenesis, forms, clinical presentation, diagnosis, treatment. The importance of occupational factors and bad habits in the development of pharyngitis. Adenoids and hyperplasia of the palatine tonsils as the most common cause of nasal breathing difficulties and a number of other disorders in childhood. Acute and chronic pharyngitis. Etiology, pathogenesis, forms, clinical presentation, diagnosis, complications, treatment, prevention. Pharyngeal abscesses. The role of chronic tonsillitis in the pathogenesis of a number of diseases of internal organs (endocarditis, rheumatism, nonspecific infectious polyarthritis, glomerulonephritis). Preventive screening of patients with chronic tonsillitis.

Foreign bodies in the pharynx, esophagus. Pharyngeal bleeding. Pathogenesis, clinical presentation, diagnostics, emergency care, complications, prevention. Tumor-like lesions, benign, malignant neoplasms of the pharynx. Etiopathogenesis, clinical presentation, diagnosis, treatment. Syphilis, tuberculosis, scleroma, leprosy of the pharynx. Lesion to ENT organs in Wegener's disease and AIDS. Epidemiology, etiopathogenesis, clinical presentation, classification, diagnosis, treatment, prevention.

Тема 5. NUMBER 5. DISEASES OF THE LARYNX. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE LARYNX.

Лекционное занятие. NUMBER 5. DISEASES OF THE LARYNX. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE LARYNX.

1. Acute diseases of the larynx.
2. Chronic diseases of the larynx.
3. Laryngeal stenoses.
4. Functional dysphonia.
5. Traumas to the larynx.
6. Foreign bodies of the larynx, trachea, bronchus.
7. Tumors and specific granulomas of the larynx.

Лабораторное занятие. NUMBER 5. DISEASES OF THE LARYNX. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE LARYNX.

Acute and chronic laryngitis. Etiology, pathogenesis, forms (classification), clinic, diagnostics, complications, treatment. The significance of occupational factors and bad habits in the development of the disease. Clinical examination of patients with chronic laryngitis. Throat angina. Etiology, clinic, diagnostics, principles of treatment. True and false croup. Acute laryngotracheitis in children. Etiology, pathogenesis, clinic, diagnostics, principles of treatment. Tracheostomy, its types, care, complications. Stenosis of the larynx. Etiology, pathogenesis, stages, clinic, diagnostics, methods of treatment.

Laryngeal injuries. Pathogenesis, clinic, diagnostics, treatment, first aid. Foreign bodies of the larynx, trachea, bronchi. Pathogenesis, clinic, diagnostics, emergency care. Conicotomy, cricotomy, cricoconicotomy. Methods for removing a foreign body in the larynx. Tumor-like lesions, benign, malignant neoplasms of the larynx. Cancer of the larynx. Etiology, classification (TNM), clinic, diagnostics, treatment, prevention. Syphilis, tuberculosis, scleroma, laryngeal leprosy. Laryngeal involvement in Wegener's granulomatosis and AIDS. Epidemiology, clinic, diagnostics, treatment, complications, prevention.

Раздел 3. EAR DISEASES

Тема 6. NUMBER 6. DISEASES OF THE OUTER AND MIDDLE EAR. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS EAR GRANULOMAS.

Лекционное занятие. NUMBER 6. "DISEASES OF THE EXTERNAL AND MIDDLE EAR. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE EAR".

1. Diseases of the external, middle ear.
2. Typical and atypical mastoiditis.
3. Labyrinthitis.
4. Ear injury.
5. Foreign bodies of the ear.
6. Tumors and infectious granulomas of the ear.

Лабораторное занятие. NUMBER 6. DISEASES OF THE EXTERNAL AND MIDDLE EAR. INJURIES, FOREIGN BODIES, TUMORS, INFECTIOUS GRANULOMAS OF THE EAR.

Acute and chronic external otitis media. Etiology, pathogenesis, forms, clinical presentation, diagnosis, treatment. Cerumen impaction. Acute otitis media. Etiology, pathogenesis, classification, clinical presentation, diagnosis, treatment, complications (mastoiditis, arthritis, meningism). Features of the course, treatment of acute otitis media in childhood. Indications for paracentesis, shunting of the tympanic cavity. Chronic otitis media. Otogenic complications (facial nerve paresis, labyrinthitis, typical and atypical mastoiditis, subperiosteal abscess, neck phlegmon). Etiology, pathogenesis, stages, clinical presentation, diagnosis, treatment methods. Indications for antromastoidotomy, radical surgery on the middle ear, sparing radical surgery on the middle ear with simultaneous mastoidotimpanoplasty. Types of hearing-enhancing operations.

Acoustic, vibration injuries, barotrauma, burn, frostbite of the ear. Amputation,

rupture of the auricle. A foreign body in the ear. Rupture of the tympanic membrane. Fracture of the base of the skull (temporal bone). Pathogenesis, clinical presentation, diagnosis, treatment, complications. Tumor-like lesions, benign, malignant neoplasms of the ear. Syphilis, tuberculosis, scleroma, ear leprosy. Ear lesions in Wegener's disease, AIDS. Etiology, pathogenesis, clinical presentation, diagnosis, treatment, complications, prevention.

Тема 7. NUMBER 7. OTOGENIC INTRACRANIAL COMPLICATIONS.

Лекционное занятие. NUMBER 7. "OTOGENIC INTRACRANIAL COMPLICATIONS".

1. General characteristics of otogenic intracranial complications.
2. Otogenic meningitis.
3. Otogenic meningitis, abscess of the brain and cerebellum.
4. Otogenic sigmoid sinus thrombosis.
5. Otogenic sepsis.

Лабораторное занятие. NUMBER 7. OTOGENIC INTRACRANIAL COMPLICATIONS.

Ways of spread of infection from the ear to the cranial cavity. Otogenic meningitis, abscess of the brain and cerebellum, thrombosis of the sigmoid sinus, sepsis. Etiology, pathogenesis, main methods of diagnosis, treatment, prevention. General inflammatory, cerebral, local symptoms. Lumbar puncture, MRI of the brain, CT of the temporal bones. Antromastoidotomy, a radical operation on the middle ear. Features of complex conservative and operational care.

Тема 8. NUMBER 8. NON-PURULENT DISEASES OF THE EAR. PROFESSIONAL DISEASES OF ENT ORGANS.

Лекционное занятие. NUMBER 8. "NON-PURULENT DISEASES OF THE EAR. PROFESSIONAL DISEASES OF ENT ORGANS".

1. Sensorineural hearing loss.
2. Meniere's disease.
3. Otosclerosis.
4. Exudative, adhesive otitis media.
5. Occupational diseases of ENT organs
6. Professional selection in otorhinolaryngology:
7. Examination of disability in ENT diseases

Лабораторное занятие. NUMBER 8. NON-PURULENT DISEASES OF THE EAR. PROFESSIONAL DISEASES OF ENT ORGANS.

Otosclerosis, Meniere's disease, sensorineural hearing loss, exudative and adhesive otitis media. Etiology, pathogenesis, forms (classification), clinical presentation, basic diagnostic methods for disorders of auditory and vestibular functions, differential diagnosis, modern methods of hearing loss conservative treatment for adults and children, prevention. Indications for surgical treatment of hearing loss, modern methods of surgical treatment: stapedis mobilization, stapedoplasty, tympanoplasty, ossiculoplasty, tympanotomy and dissection of adhesions.

Occupational diseases of the ear, throat, larynx, nose. Medical contraindications due to the requirements specified by the occupation to the state of health of the ENT organs. Medical-labour expert commission in ENT pathology. Professional selection in the

pathology of ENT organs. Military ENT examination. Terms of temporary disability in ENT diseases. Preventive screening of patients with ENT pathology.

5. Educational technologies

To implement the competence-based approach in the study of the discipline (module), extensive use of active and interactive methods of conducting classes in the educational process is provided:

EDUCATIONAL TECHNOLOGIES

To implement the competence-based approach in the study of the discipline (module), extensive use of active and interactive methods of conducting classes in the educational process is provided:

The constituent elements of educational technologies are:

-lectures – an interactive form of the lesson is also used to present new material, namely, analysis of clinical cases, discussion of current research papers on diagnostics, treatment of otorhinolaryngopathology;

-laboratory classes – during interactive classes, a collective discussion and analysis of situational tasks and discussions on the use of new methods of diagnosis and treatment of individual otorhinolaryngological nosologies are conducted;

- the use of multimedia tools (electronic boards, projectors) - to improve the quality of perception of the material under study;

- supervised homework – to encourage students to work independently;

- classroom control works – for intermediate attestation and assessing the degree of students' mastering the material studied in the form of solving test tasks or situational tasks;

-final control (computational and graphic) work – to instill the skill of a comprehensive, completed examination of otorhinolaryngological organs.

The following forms of active and interactive learning technologies are used in the learning process: the method of studying specific clinical cases, analysis of situational tasks, work in the simulation center of the department, extracurricular practical work in a polyclinic, video broadcasts from the operating room, including "live surgery", etc.

In accordance with the requirements of the Federal State Educational Standard for Ophthalmology, meetings with leading Russian and foreign otorhinolaryngologists, representatives of Russian and foreign state and public organizations, master classes of experts and leading ophthalmologists are provided as part of the educational process.

6. Forms of control and types of evaluation materials for the discipline (module)

Intermediate attestation - evaluation of intermediate and final results of training in the discipline (module).

6.1. Sample list of questions for the credit test

Competence being formed ИК-1

1. N.P. Simanovsky is the founder of Russian otorhinolaryngology.
2. Clinical anatomy and topography of the nasal cavity. Features in children.
3. Clinical methods for studying the functions of the nose.
4. Pathways of the olfactory analyzer.
5. Anatomical and topographic features of the paranasal sinuses. Research methods.
6. Clinical anatomy and topography of the pharynx. Research methods.
7. Lymphadenoid pharyngeal ring, its significance for the body.
9. Clinical anatomy and topography of the esophagus. Research methods.
10. Clinical anatomy and topography of the larynx. Research methods.
11. Functions of the larynx. Research methods.

12. Clinical anatomy of the outer ear and middle ear.
 13. Sound-conducting and sound-receiving departments of the auditory analyzer.
 14. Methods for studying the function of the auditory tube.
 15. Objective and subjective methods of hearing research.
 16. Vestibular analyzer. Anatomy and physiology.
 17. Pathways of the vestibular analyzer.
 18. Research methods of the vestibular analyzer.
 19. The value of nasal breathing for the body.
 20. Communication of otorhinolaryngology with dentistry.
 21. Types of X-ray studies of ENT organs and indications.

Competence being formed ОПК-5, ПК-1

22. Vasomotor and allergic rhinitis. Etiopathogenesis, clinic, treatment.
23. Sinusitis. Classification, etiology, clinic, diagnosis, principles of treatment.
24. Acute mastoiditis. Features of mastoiditis in children. Special forms of mastoiditis.
25. Foreign bodies and injuries of the nose. Clinic, diagnostics, emergency care.
26. Foreign bodies and injuries of the pharynx and esophagus. Clinic, diagnostics, emergency care.
27. Foreign bodies of the larynx, trachea. Clinic, diagnostics, emergency care.
28. Foreign bodies and ear injuries. Clinic, diagnostics, emergency care.
29. Otosclerosis. Clinic, diagnosis, principles of surgical treatment.
30. Meniere's disease. Pathogenesis, clinic, diagnostics, treatment.
31. Sensorineural hearing loss. Etiology, clinic, diagnosis, treatment.
32. Infectious granulomas of ENT organs. Etiology, clinic, diagnosis, treatment.
33. Lesions of ENT organs in AIDS. Etiology, clinic, diagnosis, treatment.
34. Acute rhinitis. Etiology, clinic, diagnosis, treatment, features in children.
35. Chronic rhinitis. Classification, etiology, clinic, diagnosis, treatment.
36. Rhinogenic intracranial complications. Clinic, diagnosis, treatment.
37. Rhinogenic orbital complications. Clinic, diagnosis, treatment.
38. Nosebleeds. Etiology, stopping methods.
39. Furuncle of the nose, clinical features, treatment tactics.
40. Adenoids. Clinic, diagnosis, treatment.
41. Angina. Classification, clinic, diagnosis, treatment.
42. Peritonsillar, pharyngeal, parapharyngeal abscesses. Urgent care.
43. Chronic tonsillitis. Classification, etiology, clinic, treatment, complications.
44. Chronic pharyngitis. Classification, etiology, clinic, diagnosis, treatment.
45. Acute and chronic laryngitis. False and true croup. Etiology, clinic, treatment.
46. Acute and chronic stenosis of the larynx. Etiology, clinic, treatment, tracheostomy (technique).
47. Paresis and paralysis of the larynx. functional dysphonia. Etiopathogenesis, diagnosis, treatment.
47. Benign tumors of the larynx: types, clinic, diagnosis, treatment.
48. Cancer of the larynx, classification, clinic, diagnosis, treatment.
49. Otitis externa. Classification, etiopathogenesis, clinic, diagnosis, treatment.
50. Acute otitis media. Etiology, pathogenesis, clinic, treatment, features in children.
51. Chronic otitis media. Classification, etiopathogenesis, clinic, treatment, complications.
52. Labyrinthitis. Etiopathogenesis, clinic, diagnostics, methods of treatment.
53. Otogenic meningitis. Clinic, diagnostics, methods of treatment.
54. Otogenic brain abscess. Clinic, diagnosis and principles of treatment.

55. Otogenic cerebellum. Clinic, diagnosis and principles of treatment.
56. Otogenic thrombosis of the sigmoid sinus. Etiopathogenesis, clinic, diagnostics, treatment.
57. Otogenic sepsis. Etiopathogenesis, clinic, diagnostics, treatment.
58. Exudative otitis media. Etiopathogenesis, clinic, treatment.
59. Adhesive otitis media. Pathogenesis, clinic, treatment tactics.
60. Occupational diseases of the ENT organs. Pathogenesis, clinic, diagnostics, treatment.

6.2. Sample list of questions for the examination

Not provided.

6.3. Suggested themes of term papers (projects)

Not provided.

6.4. Suggested themes of term projects

Not provided.

6.5. Suggested topics of calculation and graphic works

1. Acute rhinitis.
2. Acute maxillary sinusitis
3. Sharp frontal.
4. Acute ethmoiditis.
5. Acute sphenoiditis.
6. Chronic rhinitis.
7. Chronic purulent maxillary sinusitis.
8. Chronic purulent sinusitis.
9. Chronic purulent sphenoiditis.
10. Chronic polyposis rhinosinusitis.
11. Odontogenic maxillary sinusitis.
12. Nosebleed.
13. Injuries of the external nose and paranasal sinuses.
- 14 Acute pharyngitis.
15. Acute tonsillitis.
16. Chronic pharyngitis.
17. Chronic tonsillitis.
18. Adenoids.
19. Peritonsillar abscess.
20. Retropharyngeal abscess.
21. Parapharyngeal abscess.
- 22 Foreign bodies of the nose and pharynx.
23. Acute laryngitis.
24. Chronic laryngitis.
25. Foreign body of the esophagus.
26. Foreign body of the larynx and trachea.
27. External otitis.
28. Acute otitis media.
29. Chronic otitis media.
30. Sensorineural hearing loss.
31. Ear injuries.

7. Educational, methodological, informational and software support of the discipline (module)

The electronic catalog and electronic information resources provided by the scientific library of the FSBEI of HE "I. N. Ulianov Chuvash State University" are available at the link <http://library.chuvsu.ru/>

7.1. Regulatory documents, standards and rules

1. Federal Law "On Education in the Russian Federation" dated December 29, 2012 N 273-FZ (last edition) as amended. and additional from 2 Dec. 2019 – Text: electronic // GUARANTOR: information and legal support. – URL: http://mobileonline.garant.ru/#/document/70291362/paragraph/1/highlight/about_education:2 (date of access: 08/25/2019).

- Otorhinolaryngology: textbook / V.T. Palchun, A.I. Kryukov, M.M. Magomedov. - Moscow: GEOTAR-Media, 2020. - 560 p. - DOI: 10.33029/9704-5473-2-ОТО-2020-1-560.

- Otorhinolaryngology: training manual / Yu.Yu. Orlova, I.V. Mikhaylova, I.A. Myasnicova. - Cheboksary: Chuvash University Publ., 2021. - 164 p.

- Otorhinolaryngology: Practicum / Yu.Yu. Orlova, I.V. Mikhaylova, I.A. Myasnicova. - Cheboksary: Chuvash University Publ., 2020. - 248 p.

7.2. Recommended basic educational and methodological literature

№ item	Name
1	Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology [Электронный ресурс]: учебник. - Москва: ГЭОТАР-Медиа, 2020. - 560 с. – Режим доступа: https://www.studentlibrary.ru/book/ISBN9785970454732.html
2	Пальчун В. Т., Крюков А. И., Магомедов М. М. Оториноларингология [Электронный ресурс]: учебник. - Москва: ГЭОТАР-Медиа, 2020. - 592 с. – Режим доступа: https://www.studentlibrary.ru/book/ISBN9785970457368.html

7.3. Recommended supplementary educational and methodological literature

№ item	Name
1	Орлова Ю. Ю., Михайлова И. В., Мясникова И. А., Диомидова В. Н. Оториноларингология: практикум [на русском и английском языках : для студентов 4-6 курсов медицинского факультета, обучающихся на английском языке]. - Чебоксары: Издательство Чувашского университета, 2020. - 247 с.
2	Пальчун В. Т. Оториноларингология [Электронный ресурс]:. - Москва: ГЭОТАР-Медиа, 2022. - – Режим доступа: https://www.studentlibrary.ru/book/ISBN9785970466698.html
3	[Карпищенко С. А. и др.] ; под ред. С. А. Карпищенко Оториноларингология: учебник [для вузов по специальности "Лечебное дело"]. - Москва: ГЭОТАР-Медиа, 2018. - 460с.
4	Орлова Ю. Ю., Михайлова И. В., Мясникова И. А., Диомидова В. Н. Оториноларингология: учебное пособие [для 4-5 курсов медицинского факультета]. - Чебоксары: Издательство Чувашского университета, 2021. - 163 с.

7.4. List of resources of the "Internet" information and telecommunication network

№ item	Name	Link to the resource
1	Единое окно к образовательным ресурсам [Электронный ресурс].	http://window.edu.ru

2	Российская государственная библиотека [Электронный ресурс].	http://www.rsl.ru
3	Российская национальная библиотека [Электронный ресурс]. http://www.nlr.ru	http://www.nlr.ru
4	Научная электронная библиотека «Киберленинка» [Электронный ресурс].	http://cyberleninka.ru
5	ЭБС консультант студента. Электронная библиотека медицинского вуза ИГ Гэотар-Медиа	http://www.studmedlib.ru
6	Медицинский видеопортал	http://med-edu.ru http://med-video.livejournal.com
7	Новости медицины. Медицинская библиотека.	http://www.medlinks.ru
8	Научная электронная библиотека	http://elibrary.ru
9	Обзоры мировых медицинских журналов на русском языке	http://www.ent-news.com

7.5. Software, professional databases, information and reference systems, electronic educational resources and electronic library systems

Software, professional databases, information and reference systems provided by the Informatization Department of the FSBEI of HE "I.N. Ulianov Chuvash State University" are available for download at the link <http://ui.chuvsu.ru> //. The Unified Register of Russian programs for electronic computers and databases, including freely distributed ones, is available at the link [reestr.minsvyaz.ru/reestr /](http://reestr.minsvyaz.ru/reestr/).

7.5.1. Licensed and freely distributed software

Microsoft Windows operating System and/or Unix-like operating system and/or mobile operating system;

Office software packages:

Microsoft Office and/or LibreOffice and (or) OpenOffice and (or) analogues;

Browsers, including Yandex.Browser.

List of software:

7.5.2. Lists of professional databases and (or) information reference systems and (or) electronic library systems and (or) electronic educational resources

8. Material and technical support of the discipline

Classrooms for lecture-type classes in the discipline are equipped with a teacher's automated workplace consisting of: a personal computer/laptop, multimedia equipment with a screen and (or) SMART interactive whiteboard/SMART TV.

The premises for students' independent work are equipped with computer equipment enabling to connect to the Internet and provide access to the electronic information and

educational environment of the FSBEI of HE "I.N. Ulianov Chuvash State University".

№ item	Lesson type	Brief description and characteristics of the composition of installations, measuring and diagnostic equipment, computer equipment and experimental automation tools
1	ИКР	Учебная аудитория для занятий семинарского типа, текущего контроля и промежуточной аттестации. Оборудование: учебная доска, учебная мебель, переносное мультимедийное оборудование (проектор, экран, ПК или ноутбук), лабораторные стенды
2	Лаб	Учебная аудитория для занятий семинарского типа, текущего контроля и промежуточной аттестации. Оборудование: учебная доска, учебная мебель, переносное мультимедийное оборудование (проектор, экран, ПК или ноутбук), лабораторные стенды
3	Лек	Учебные аудитории для занятий лекционного типа, семинарского типа. Оборудование: учебная доска, учебная мебель, мультимедийное оборудование (проектор, экран, персональный компьютер или ноутбук с необходимым программным обеспечением для тематических иллюстраций и демонстраций, соответствующих программе дисциплины)
4	Ср	Помещение для самостоятельной работы обучающихся. Оборудование: компьютерная техника с подключением к сети Интернет и доступом к электронной информационно-образовательной среде ФГБОУ ВО «Чувашский государственный университет имени И.Н. Ульянова»

9. Means of adapting the discipline teaching to the needs of persons with physical conditions

If necessary, persons with physical conditions can be offered one of the following options for perceiving information, taking into account their individual psychophysical characteristics:

- 1) using e-learning and distance learning technologies.
- 2) using special equipment (enginery) and software in accordance with the students' health restrictions in the Training Centers for Persons with Disabilities and Physical Conditions (hereinafter referred to as special needs) available at the university.

In the course of training, if necessary, the following conditions are provided for persons with visual, hearing and musculoskeletal disorders:

- for persons with visual impairments: educational and methodological materials in printed form in enlarged font; in the form of an electronic document; in the form of an audio file (conversion of educational materials into audio format); in printed form in Braille; individual consultations involving a tactile interpreter; individual assignments and consultations.

- for people with hearing impairments: educational and methodological materials in printed form; in the form of an electronic document; video materials with subtitles; individual consultations involving a sign language interpreter; individual assignments and consultations.

- for persons with disorders of the musculoskeletal system: educational and methodological materials in printed form; in the form of an electronic document; in the form of an audio file; individual assignments and consultations.

10. Guidelines for students to perform independent work

The purpose of the student's independent work (IW) is to consolidate the theoretical knowledge gained and to acquire practical skills in using and performing research of algorithms and data structures when designing application software programs. IW includes independent study of educational issues, preparation for laboratory classes, performing calculation and graphic work, preparation for a test and an exam.

The list of questions and tasks for independent work to prepare for laboratory classes is given in the corresponding methodological instructive regulations in the description of each laboratory work.

The list of questions and tasks for independent work to carry out calculation and graphic work is given in the relevant methodological instructive regulations.

Independent work of students is an integral part of the educational process.

The purpose of independent work is to prepare a modern competent specialist and to form abilities and skills for continuous professional improvement.

Realization of this goal involves the solution of the following tasks:

- high-quality development of theoretical material on otorhinolaryngology, deepening and expanding theoretical knowledge with a view to their application at the level of interdisciplinary connections;

- systematization and consolidation of theoretical knowledge and practical skills;

- formation of skills for the search and use of normative, legal, reference and special literature, as well as other sources of information;

- development of cognitive abilities and activity, creative initiative, independence, responsibility and organization of students;
- formation of independent thinking, abilities for self-development, self-education, self-improvement and self-realization;
- development of research skills;
- formation of the ability to solve practical problems (in professional activities), using the acquired knowledge, abilities and skills.

Forms of independent work of students, provided for by the discipline:

- Preparation for laboratory classes;
- Independent study of educational issues;
- Performance of settlement and graphic work;
- Preparation for the test.

Extracurricular independent work is the planned educational, teaching and research, research work of students.

For self-preparation for laboratory classes, for self-study of educational issues, as well as in preparation for the test, the following sources are recommended:

- lecture notes and laboratory materials;
- basic and additional educational literature on otorhinolaryngology.

Topics submitted for independent study must be outlined. The summary briefly outlines the main essence of the educational material, provides the necessary justifications, tabular data, diagrams, sketches, calculations. It is advisable to write an abstract entirely on the topic. At the same time, it is always possible to supplement the compiled summary with clippings and extracts from magazines, newspapers, articles, new textbooks, brochures on the exchange of experience, data from the Internet and other sources. Thus, the abstract becomes a collection of necessary materials, in which the student introduces everything new that he has studied and learned. Such notes are of great value in preparing for classes.

The main stages of independent study of educational issues:

1. Primary acquaintance with the material of the topic under study according to the text of the textbook, outpatient cards, additional educational literature.
2. Highlighting the main thing in the material being studied, making brief notes.
3. Selection of reference signals for this text in the form of individual words, certain signs, graphs, drawings.
4. Thinking over a schematic way of coding knowledge, using a different font, color highlighting.
5. Drawing up a basic abstract.

11. Methodological instructive regulations for students studying the discipline (module)

Independent work is determined by the specifics of the discipline "Otorhinolaryngology" and the methodology of its teaching, the time provided by the curriculum, as well as the level of study at which the discipline is studied.

The main forms of organization of independent work of students are: classroom independent work under the guidance and supervision of a teacher (at lectures, laboratory classes and consultations); extracurricular independent work under the guidance and supervision of a teacher (at consultations), extracurricular independent work without the direct participation of a teacher (preparation for classroom studies, performing tests, working with electronic information resources, preparing for a test).

11.1. Methodological instructive regulations for preparing for seminar-type classes

Not provided.

11.2. Methodological instructive regulations for preparing for an examination

Not provided.

11.3. Methodological instructive regulations for preparing for a test

The test aims to evaluate the work of the student for the semester as part of the development of the work program of the academic discipline "Otorhinolaryngology in Dentistry" and is carried out orally and in writing.

Criteria for obtaining credit in the discipline:

A student who has defended the calculation and graphic work and completed the workload in the discipline under study during the semester by 60% or more of the planned volume is allowed to pass the test.

The test consists of a theoretical part (solving test tasks / situational clinical tasks with five questions from a set of tasks of different levels) and a practical part (testing the student's practical skills). Each of the parts of the test performed by the student is evaluated as the proportion of erroneous elements made when it is performed according to the following scheme:

- 0-3 errors in the performance of each part of the test - "passed",
- 4 or more errors - "failed".

A student who has defended the computational and graphic work and completed the planned study load in full upon receiving a final average grade of 4.0 or more can receive an automatic credit and a "passed" mark in the discipline being studied.

In order to clarify the assessment, the teacher can ask no more than two additional questions that do not go beyond the requirements of the work program. An additional question, as well as the main offset question, requires a detailed answer. In addition, the teacher can ask a number of clarifying and leading questions related to the subject of the main test question. The number of clarifying and leading questions is not limited.

11.4. Methodological instructive regulations for performing computational and graphical

The purpose of the calculation and graphic work is the systematization and consolidation of theoretical knowledge and the development of the student's practical skills according to the method of examining a patient with otorhinolaryngopathy and formulating conclusions based on the results obtained.

The tasks of settlement and graphic work (GGR) are:

- development of skills of independent work in the field of solving practical problems;
- selection and systematization of theoretical material as the basis for solving a practical problem, development of skills for independent work with educational, methodological literature;
- carrying out calculations on the basis of initial data and analysis of the obtained values;
- formulation of conclusions based on the obtained results.

The structure of settlement and graphic work:

- 1) Title part. Table of contents.

- 2) Task (the topic of settlement and graphic work).
- 4) Initial data. The student provides all existing input data that may be needed to analyze the clinical situation.
- 5) Filling in sections of the calculation and graphic work with the necessary clinical data for each standard method of otorhinolaryngological examination.
- 6) Analysis of examination results and conclusions (substantiation of clinical diagnosis).
- 7) List of used literature.
- 8) Appendix (teacher's conclusion).

Requirements for the design of the work: in writing, as well as typing is done in the Microsoft Word text editor in Times New Roman font, size 10 pt, 1.0 spacing. Recommended page margin: left - 15 mm, right - 15 mm, top and bottom 10 mm. The numbering of the pages of settlement and graphic work should be end-to-end (consists of two pages on one landscape sheet). All illustrations of settlement and graphic work must be carefully selected and clearly executed.

Criteria for evaluating settlement and graphic work:

- the level of mastering the educational material in otorhinolaryngology;
- depth of study of theoretical and practical material;
- the ability to use theoretical knowledge in the performance of practical tasks;
- registration of settlement and graphic work in accordance with the requirements.

Criteria for evaluating settlement and graphic work:

"Excellent" - the work was done in accordance with the approved plan, the content of each question was fully disclosed, the student formulated his own reasoned conclusions on the topic of the work. The design of the work meets the requirements. When defending the work, the student was fluent in the material and answered questions.

"Good" - the work was done in accordance with the approved plan, the content of each issue was fully disclosed. Minor remarks on the design of the work. When defending the work, the student mastered the material, but did not answer all the questions.

"Satisfactory" - the work was done in accordance with the approved plan, but the content of each issue was not fully disclosed. The students did not draw their own conclusions on the topic of the work. Gross flaws in the design of the work. When defending the work, the student owned the material, answered not all questions.

"Unsatisfactory" - if the work is not completed in accordance with the approved plan, the content of each question is not disclosed, conclusions are not drawn on the topic of the work, there are gross flaws in the design, when defending the work, the student did not own the material, did not answer questions, then the work is sent to further refinement.

11.5. Methodological instructive regulations for performing a control work

As part of the study of each topic of the curriculum, the current control of students' knowledge is provided using the following forms of examinations - test tasks, situational tasks, oral response to the teacher.

Criteria for assessing the performance of a test task:

You have 15 minutes to complete the task. For each classroom test on the topic of each laboratory session, the student is given a score in the form of the proportion of correctly completed tasks on a five-point scale: 10-9 correctly completed tasks - "excellent", 8-7 correctly completed tasks - "good", 6-5 correctly completed tasks - "satisfactory", 4 or less correctly completed tasks - "unsatisfactory". The grade given for each classroom test is taken into account when calculating the student's final average grade in the academic discipline being studied.

Criteria for evaluating the solution of a situational problem:

You have 30 minutes to complete the task. For each classroom test on the topic of each laboratory session, the student is given a score in the form of the proportion of erroneous elements made when completing the task on a five-point scale: from 0 to 1 error when completing the task - "excellent", 2 errors when completing the task - "good", 3 errors in the performance of the task - "satisfactory", 4 or more errors in the performance of the task - "unsatisfactory". The grade given for each classroom test is taken into account when calculating the student's final average grade in the academic discipline being studied.

Criteria for evaluating the student's oral response:

The grade "excellent" is set if the student has shown a deep and complete knowledge of the material of the academic discipline, assimilation of basic and additional literature recommended by the working program of the academic discipline.

Grades "good" are given to a student who has shown full knowledge of the basic material of the academic discipline, knowledge of the main literature and familiarity with additional literature recommended by the work program.

Grades "satisfactory" are set if the student did not show knowledge of the main provisions on the topic when answering, made some errors and managed to eliminate them with the help of a teacher, familiar with the main literature on the subject.

The grade "unsatisfactory" is set, the answer revealed significant gaps in the knowledge of the main provisions of the academic discipline, the student's inability to formulate the correct answers to questions even with the help of a teacher.

11.6. Methodological instructive regulations for performing a course work (project)

Not provided.

List of additions and changes

The name and details (if any) of the document attached to the Working Program of the discipline (module) containing the text of updates	Department's decision		Full name of department head:
	Date	Protocol №	