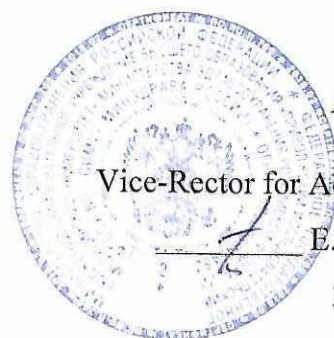


FEDERAL STATE BUDGETARY EDUCATIONAL INSTITUTION
OF HIGHER EDUCATION
"PRIVOLZHSKY RESEARCH MEDICAL UNIVERSITY"
OF THE MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION



APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

WORKING PROGRAMM

Name of the academic discipline: **OTORHINOLARYNGOLOGY**

Specialty: **31.05.01 GENERAL MEDICINE**
(code, name)

Qualification: **GENERAL PRACTITIONER**

Department: **DISEASES OF THE EAR, THROAT AND NOSE**

Mode of study: **FULL-TIME**

Labor intensity of the academic discipline: **108 academic hours**

Nizhny Novgorod
2021

The work program was developed in accordance with the Federal State Educational Standard for the specialty 31.05.01 "General Medicine", approved by Order of the Ministry of Science and Higher Education of the Russian Federation No. 988 dated August 12, 2020.

Developers of the working program:

Head of the Department of Ear, Nose and Throat Diseases of the Federal State Budgetary Educational Institution of Higher Education "PIMU" of the Ministry of Health of the Russian Federation, MD, prof. Shakhov Andrey Vladimirovich
Associate Professor of the Department of Ear, Nose and Throat Diseases of the Federal State Budgetary Educational Institution of Higher Education "PIMU" of the Ministry of Health of the Russian Federation, Ph.D. Terentyeva Anna Borisovna


The program was reviewed and approved at a meeting of the department meeting (protocol No. 9 of 04/22/2021)

Head of the Department of Ear, Nose and Throat Diseases of the Federal State Budgetary Educational Institution of Higher Education "PIMU", MD, Associate Professor


_____ (Shakhov A.V.)

April 22, 2021

AGREED

Deputy Head of EMA ph.d. of biology  Lovtsova L.V.

(signature)

April 22, 2021

1. The purpose and objectives of mastering the discipline “OTORHINOLARYNGOLOGY”

Otorhinolaryngology is a special clinical discipline of the surgical profile that studies the morphological and physiological features and pathology of the ear, upper respiratory tract and adjacent areas. The study of otorhinolaryngology is necessary for the training of future doctors, since lesions of the upper respiratory tract and ear are common, can cause severe life-threatening complications and lead to permanent disability.

1.1 The purpose of mastering the discipline.

1.1. The purpose of mastering the discipline: (*participation in forming the relevant competencies*).

GPC-4. Able to apply medical products, provided by the order of healthcare delivery, as well as examine patients for the purpose of determining the diagnosis

GPC-6. Able to: organize patient care, provide primary health care, ensure the organization of work and professional decision-making in case of medical emergency on the prehospital stage, in the conditions of emergency situations, epidemics and in centers of mass destruction

GPC-7. Able to prescribe treatment and monitor its effectiveness and safety

PC-2 Able to recognize conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care, recognize conditions that pose a threat to the patient's life including conditions of clinical death (stopping vital functions of the human body (blood circulation and/or respiration), requiring the provision of emergency medical care

PC-3 Able to: provide emergency medical care to patients in case of sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life, provide emergency medical care to patients in conditions that threaten the patient's life, including clinical death (suspension of vital functions the human body (circulation and/or respiration)

1.2 Tasks of the discipline.

Know:

1. the main methods of examination of an ENT patient (analysis of complaints, clarification of the history of the disease and life history, examination of the ENT organs)
2. rules for issuing and maintaining medical records (outpatient card, inpatient card);
3. main clinical manifestations of pathological conditions in otorhinolaryngology
4. classification and main characteristics of drugs used in otorhinolaryngology;
5. the main manifestations and diagnostic criteria for acute conditions in otorhinolaryngology that are not accompanied by a threat to the patient's life
6. the main manifestations and diagnostic criteria for acute conditions in otorhinolaryngology, accompanied by a threat to the life of the patient
7. the main ways to help patients with emergency pathology of the ENT organs
8. rules for caring for patients with pathology of ENT organs

Be able to:

1. examine a patient with various pathologies of the ENT organs (analysis of complaints, clarification of the history of the disease and life history, local examination of the pathological focus);

1. analyze patient complaints, anamnesis data, results of the main diagnostic methods used in otorhinolaryngology
2. formulate a diagnosis and determine a management plan for the patient
3. fill out an outpatient card, medical history
4. diagnose nosebleeds, install a pneumopacking for epistaxis
5. diagnose the stage of decompensation of stenosis of the larynx and asphyxia, make a tracheostomy toilet
6. apply basic antibacterial, antiviral, biological drugs
7. care for patients with pathology of the ENT organs

Possess:

1. the primary methods of examination of an ENT patient
2. skills in interpreting the results of laboratory, instrumental diagnostic methods used in otorhinolaryngology
3. correct maintenance of medical records;
4. the primary methods of examination of the ENT patient;
5. skills in interpreting the results of laboratory, instrumental diagnostic methods;
6. detailed clinical diagnosis algorithm
7. skills in the use of drugs in the treatment of pathological conditions of ENT organs
8. the skills of washing the maxillary sinus through the catheter
9. the skills of introducing ear, nasal drops
10. the primary medical diagnostic and therapeutic methods for providing first aid in emergency and acute conditions in ENT patients.

2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization

2.1 The discipline "Otorhinolaryngology" refers to the core part of Block 1 of GEP HE (Academic discipline index).

The discipline "Otorhinolaryngology" refers to the professional cycle of disciplines.

The discipline is included in the basic component of the doctor's training cycle and is mandatory for study at all faculties: medical, pediatric, medical-prophylactic and dental.

The basic knowledge necessary for studying the discipline is formed in the cycles: humanitarian, social and economic (foreign language, Latin, pedagogy and psychology, philosophy); biophysical, natural science disciplines (anatomy, histology, normal physiology; pathological anatomy; pathological physiology; operative surgery and topographic anatomy, pharmacology, microbiology); professional disciplines (stomatology; neurology, medical genetics; ophthalmology; propaedeutics of internal diseases, radiation diagnostics; clinical pharmacology; infectious diseases, dermatovenereology, pediatrics, oncology, neurology).

2.2 The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:

- 1) Anatomy
- 2) Pathological anatomy, clinical pathological anatomy
- 3) Topographic anatomy and operative surgery
- 4) Normal physiology
- 5) Pathophysiology, clinical pathophysiology

6) *Pharmacology*

2.3. Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines:

- 1) *Dentistry*
- 2) *Ophthalmology*
- 3) *Neurology, medical genetics and neurosurgery*
- 4) *Internal diseases (therapy)*

3. Deliverables of mastering the academic discipline and metrics of competence acquisition

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				Know	Be able to	Possess
1.	GPC-4	Able to apply medical products, provided by the order of healthcare delivery, as well as examine patients for the purpose of determining the diagnosis		IOTC 4.1 Knows the methodology for collecting anamnesis of life and diseases, complaints from patients (their legal representatives); method of examination and physical examination; clinical picture, methods for diagnosing the most common diseases of ENT organs; methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; international statistical classification of diseases and related health problems (ICD); conditions requiring emergency medical care; the procedure for using a tracheostomy tube, a pneumoballoon to stop nasal bleeding in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of	IOPC 4.2 Is able to: collect complaints, anamnesis of life and disease from patients (their legal representatives), identify risk factors and causes of diseases; apply methods of examination and physical examination of patients with pathology of ENT organs; interpret the results of the examination and physical examination of patients; to diagnose the most common pathology of ENT organs in patients; identify risk factors for cancer; formulate a preliminary diagnosis, draw up a plan for conducting laboratory, instrumental and additional studies in patients in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of	IDOPK 4.3 Has practical experience in: collecting complaints, anamnesis of life and disease in patients (their legal representatives), identifying risk factors and causes of diseases; examination and physical examination of patients with pathology of ENT organs; diagnosis of the most common diseases of ENT organs; identification of risk factors for major oncological diseases of the upper respiratory tract; formulating a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional studies, consultations with specialist doctors; referral of patients for instrumental, laboratory, additional studies, consultations of medical specialists

				<p>medical care,</p>	<p>medical care; refer patients to laboratory instrumental and additional studies in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; refer patients for consultations to specialist doctors in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; interpret and analyze the results of consultations with patients' specialists; interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; to carry out differential diagnostics of diseases in patients; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of a threat to life, requiring emergency medical care; use a tracheostomy tube and a pneumotampon to stop nosebleeds in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care making a preliminary diagnosis in accordance with the international statistical classification of</p>	<p>in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international statistical classification of diseases and related health problems (ICD); carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of a tracheostomy tube and a pneumotampon to stop nosebleeds in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care making a preliminary diagnosis in accordance with the international statistical classification of</p>
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						<p>diseases and related health problems (ICD); carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of a tracheostomy tube and a pneumotampon to stop nosebleeds in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care making a preliminary diagnosis in accordance with the international statistical classification of diseases and related health problems (ICD); carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of a tracheostomy tube and a pneumotampon to stop nosebleeds in</p>
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						<p>accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of a tracheostomy tube and a pneumotampon to stop nosebleeds in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of a tracheostomy tube and a</p>
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						pneumotampon to stop nosebleeds in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care
2.	GPC-6	Able to: organize patient care, provide primary health care, ensure the organization of work and professional decision-making in case of medical emergency on the prehospital stage, in the conditions of emergency situations, epidemics and in centers of mass destruction		IOTC 6.1 Knows: methods of collecting complaints and anamnesis from patients (their legal representatives); methods of physical examination of patients with pathology of ENT organs; principles and methods of providing medical care to patients in emergencies, in accordance with clinical guidelines, taking into account the standards of medical care; clinical signs of major medical emergencies; organization principles care of patients with pathology of ENT organs, provision of primary health care	IOTC 6.2 Is able to: recognize conditions requiring emergency medical care, requiring emergency medical care; provide emergency medical care to patients in conditions that pose a threat to the life of patients with ENT pathology, use medicines and medical devices in the provision of medical care in emergency conditions in patients with ENT pathology, organize care of patients with pathologies of ENT organs	IOPC-6.3 Has practical experience in: assessing a condition requiring emergency medical care in case of pathology of ENT organs that pose a threat to life, requiring emergency medical care; providing emergency medical care to patients with pathology of ENT organs; the use of drugs and pneumotampons to stop nosebleeds; organization care of patients with tracheostomy
3.	GPC-7	Able to prescribe treatment and monitor its effectiveness and safety		IOPC 7.1 Knows: methods of drug and non-drug treatment, medical indications for the use of medical devices in the most common diseases of the ENT organs; groups of drugs used to provide medical care in the treatment of the most common diseases of ENT organs; the mechanism of their action, medical indications and contraindications to the appointment; compatibility, possible complications, side effects, adverse reactions, including	IOPC 7.2 Is able to: develop a treatment plan for patients with the most common diseases of the ENT organs in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; prevent or eliminate complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and	KIPT 7.3 Has practical experience in: development of a treatment plan for patients with the most common diseases of the upper respiratory tract in accordance with the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care; provision of medical care in an emergency and urgent form to patients with the

				serious and unforeseen; features of medical care in emergency forms	(or) medical devices, non-drug treatment	most common diseases of the ENT organs, in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; selection and prescription of medicines, medical devices with the most common diseases for the treatment of the most common diseases of the ENT organs in children and adults in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; evaluation of the effectiveness and safety of the use of drugs, medical devices and non-drug treatment in patients with the most common diseases of the ENT organs; selection and appointment of non-drug treatment for patients with the most common diseases of the ENT organs in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; prevention and treatment of complications, side effects, adverse reactions, including
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						unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment; providing medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the life of the patient in an emergency; the use of medicines and medical devices in the provision of medical care in an emergency form
4.	PC-2	Able to recognize conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care, recognize conditions that pose a threat to the patient's life including conditions of clinical death (stopping vital functions of the human body (blood circulation and/or respiration), requiring the provision of emergency medical care		IPC 2.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of the most common diseases of ENT organs; methodology for collecting complaints and anamnesis from patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion); a list of laboratory and instrumental research methods for assessing the condition of a patient with the most common diseases of ENT organs.	IPC 2.2 Able to: identify clinical signs of conditions requiring emergency medical care in diseases of the ENT organs; identify conditions requiring emergency medical attention	
5.	PC-3	Able to: provide emergency medical care to patients in case of sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life,		IPC 3.1 Knows: rules for nasal pneumotamponade	IPC 3.2 Knows how to: perform pneumotamponade of the nose	

		provide emergency medical care to patients in conditions that threaten the patient's life, including clinical death (suspension of vital functions the human body (circulation and/or respiration))				
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4. Sections of the academic discipline and competencies that are formed when mastering them:

No.	Competence codes	Section name of the discipline	The content of the section in teaching units
1	GPC-4 GPC -6 GPC -7 PC-2 PC-3	Clinical anatomy, physiology and research methods of ENT organs	Clinical aspects of anatomy and physiology of ENT organs in adults and adolescents. Communication of diseases of ENT organs with the pathology of other anatomical and physiological systems of the body. General principles of examination of the patient in the ENT room of the clinic and the ENT hospital. Training in the technique of using the frontal reflector and viewing tools. Study of methods of traditional and modern functional clinical and paraclinical diagnostics of ENT diseases.
2	GPC-4 GPC -6 GPC -7 PC-2 PC-3	Diseases of the nose and paranasal sinuses	Acute and chronic inflammatory diseases of the nasal cavity and paranasal sinuses: their etiology, pathogenesis, pathomorphology, classification, clinical manifestations and modern methods of conservative and surgical treatment. Intraorbital and intracranial rhinogenic complications: pathogenesis, clinic, diagnosis and treatment. Indications for operations on the paranasal sinuses.
3	GPC-4 GPC -6 GPC -7 PC-2 PC-3	Diseases of the pharynx	Morphological and physiological characteristics of the lymphadenoid pharyngeal ring, its role in the formation of immunity. Angina - acute and chronic. Classification of angina. The defeat of the tonsils in acute infectious diseases and diseases of the blood system. Diphtheria of the throat. Chronic tonsillitis and its relationship with diseases of the internal organs. Methods for diagnosing chronic tonsillitis. Modern approaches to tactics and treatment of chronic tonsillitis. Indications for surgical methods of treatment.
4	GPC-4 GPC -6 GPC -7 PC-2 PC-3	Diseases of the larynx	Acute and chronic diseases of the larynx. Acute laryngitis: etiopathogenesis, clinic, age-related features of the course, diagnosis and treatment. Classification of chronic laryngitis. Standards for their diagnosis and treatment. Oncological alertness, in some forms of chronic laryngitis: facultative and

			obligate precancer. Cancer tumors of the larynx. Modern methods of diagnosis and principles of treatment of tumor pathology of the larynx.
5	GPC-4 GPC -6 GPC -7 PC-2 PC-3	Ear diseases	Acute purulent inflammation of the middle ear. Antrite. Mastoiditis. Atypical forms of mastoiditis. Chronic suppurative otitis media: diagnosis and methods of conservative treatment of meso- and epitympanitis. Sanitizing and functional surgery of "purulent ear". Intra-ear complications of otitis media: paresis of the facial nerve and labyrinthitis; their clinic, diagnosis and treatment. Intracranial complications of otitis media: their main clinical forms and syndromes, modern diagnostic standards and treatment principles. Non-purulent diseases of the ear: otosclerosis, Meniere's disease, sensorineural hearing loss: clinic, diagnosis, treatment.
6	GPC-4 GPC -6 GPC -7 PC-2 PC-3	Emergency conditions in otorhinolaryngology	Stenosis of the larynx. Acute stenosing laryngotracheitis in children, clinical symptoms, diagnosis and treatment. Classification of stenosis of the larynx, stages of stenosis, their clinical characteristics; diagnosis and treatment tactics depending on the etiology and stage of stenosis. Indications for intubation and tracheostomy, the technique of their implementation. Foreign bodies of the respiratory tract (larynx, trachea, bronchi) and esophagus. Complications. Clinic, diagnosis, treatment. Nosebleeds: etiology, methods of stopping and hemostatic therapy.

5. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity		Labor intensity in semesters (AH)
	Volume in incredit units (CU)	Volume in inacademic hours (AH)	VIII semester
Classroom work, including	3	72	72
Lectures (L)	-	20	20
Laboratory practicum (LP)*			
Practicals (PC),	-	52	52
Seminars (S)	-	-	-
Student's individual work (SIW)		36	36
Medical history (MH)	-	8	-
Preparation for classes (PC)	-	28	28
Mid-term assessment			
Credit			Credit
TOTAL LABOR INTENSITY	3	108	108

6. Content of the academic discipline

6.1 Sections of the discipline and types of classes.

	Semester	Name of the section of the academic discipline	Types of academic work* (in AH)			
			Lectures	Practicals	SIW	Total
1	VIII	Otorhinolaryngology				
1.1		Clinical anatomy, physiology, methods of investigation of ENT organs	2	15	6	23
1.2		Diseases of the nose and paranasal sinuses	4	5	6	15
1.3		Diseases of the pharynx	4	5	6	15
1.4		Diseases of the larynx	4	6	6	16
1.5		Ear diseases	5	15	6	26
1.6		Emergency conditions in otorhinolaryngology	1	6	6	13
		Total	20	52	36	108

6.2. Thematic schedule of educational work types:

6.2.1 Thematic schedule of lectures

No.	Name of lecture topics	Volume in AH VIII semester
1.	Introduction to otorhinolaryngology, its content, tasks and place among other disciplines. History and ways of development of domestic otorhinolaryngology. Physiological functions of the nose and their significance for humans.	2
2.	Acute inflammatory diseases of the nasal cavity and paranasal sinuses. Rhinogenic intraorbital complications. Clinic, diagnosis, treatment.	2
3.	Chronic inflammatory diseases of the nasal cavity and paranasal sinuses. Rhinogenic intracranial complications.	2
4.	Morphophysiological characteristics of the lymphadenoid pharyngeal ring. Angina. The defeat of the tonsils in acute infectious diseases and diseases of the blood system. Diphtheria of the throat.	2
5.	Chronic tonsillitis and its relationship with diseases of the internal organs.	2
6.	Acute purulent inflammation of the middle ear. Acute otitis media in infectious diseases. Otoanthritis in children. Mastoiditis. Atypical forms of mastoiditis.	2
7.	Chronic suppurative otitis media (mesotympanitis, epitympanitis). Otogenic intracranial complications.	2
8.	Labyrinths. Non-purulent diseases of the ear: otosclerosis, sensorineural hearing loss, Meniere's disease.	2
9.	Acute and chronic diseases of the larynx.	2

10.	Stenosis of the larynx. Acute stenosing laryngotracheitis in children. Intubation. Tracheostomy. Foreign bodies of the respiratory tract (larynx, trachea, bronchi) in children. Foreign bodies of the esophagus in children. Clinic, diagnosis, treatment.	2
	TOTAL (total - 20 Ah)	

6.2.3. Thematic plan of practicals

No	Name of the topics of practicals	Volume in AH VIII semester
1.	Safety instructions. Methods for the study of ENT organs	5
2.	Clinical anatomy, physiology of the ear. Methods for the study of the auditory and vestibular analyzer.	5
3.	Clinical anatomy, physiology, research methods of the nose, paranasal sinuses, pharynx, larynx.	5
4.	Acute inflammatory diseases of the ear, local complications.	5
5.	Chronic inflammatory diseases of the ear, intracranial complications	5
6	Nonpurulent diseases of the ear	5
7.	Diseases of the nose and paranasal sinuses	5
8.	Diseases of the pharynx	5
9.	Diseases of the larynx	6
10.	Emergency pathology of ENT organs	6

6.2.5. Types and topics of student's individual work (SIW)

No . p / p	Types and topics of SIW	Volume in AH VIII semester
1.	Work with educational literature and other sources of information on the section under study, including in an interactive form	26
2.	academic medical history	6
3.	Preparing to Participate in Interactive Classes (Role Plays)	4
	Total	36

7. Types of assessment formats for ongoing monitoring and mid-term assessment

№	Se- mester No.	Types of control	Name of section of academic discipline	Competence codes	Assessment formats		
					types	number of test questions	number of test task options

1.	VIII	Current monitoring	Control of mastering the topic		GPC-4 GPC -6 GPC -7 PC-2 PC-3	Test tasks	20	3
			Monitoring the student's individual work		GPC-4 GPC -6 GPC -7 PC-2 PC-3	Control questions	2	16
2.	VIII	Mid-term assessment	Credit		GPC-4 GPC -6 GPC -7 PC-2 PC-3			

No	semester number	Forms of control	Name of section of academic discipline				types	number of test questions	number of test task options
1.	VIII	current control	Clinical anatomy, physiology, methods of research of ENT - organs				Test tasks	15	3
							Control questions	2	16
2.	VIII	current control	diseases of the nose and paranasal sinuses				Test tasks		
							Control questions	2	10
3.	VIII	current control	throat diseases				Test tasks		
							Control questions	2	10
4.	VIII	current control	Diseases of the larynx				Test tasks		
							Control questions	2	10
5.	VIII	current control	Ear diseases				Test tasks		
							Control questions	2	18
6.	VIII	current control	Emergency conditions in otorhinolaryngology				Test tasks		
							Control questions	2	10
7.	VIII	current control	Examination of an ENT patient				Test tasks		
							Control questions	1	10
8.	VIII	offset	All sections of the discipline				Test tasks	thirty	
							Situational tasks	1	20

8. Educational, methodological and informational support for mastering the academic discipline (printed, electronic publications, the Internet and other network resources)

8.1. Key literature references

p / no.	Name according to bibliographic requirements	Number of copies	
		at the department	in library
1.	Essentials of Otolaryngology / G. Har-El, F. E. Lucente ; Lucente, Frank E. ; Har-El, Gady. – 5th ed. – Philadelphia : Lippincott Williams & Wilkins, 2004. – 504 p. : ил. мяг. – ISBN 0-7817-4707-4.	1	10
2.	Lucente, F. E. Essentials of Otolaryngology / F. E. Lucente, G. Har-El ; Lucente, Frank E. ; Har-El, Gady. – 4th ed. – New York ; London : Lippincott Williams & Wilkins, 1999. – 488 с. – ISBN 0-7817-1463-X.	1	16
3.	Palchun, V. T. Otorhinolaryngology : учебник / V. T. Palchun, A. I. Kryukov, M. M. Magomedov. – Москва : ГЭОТАР-Медиа, 2020. – 560 с. – ISBN 978-5-9704-5473-2. – Текст : электронный. - URL: https://www.studentlibrary.ru/book/ISBN9785970454732.html (дата обращения: 01.03.2023). - Режим доступа: по подписке.		Access by individual login and password from any computer and mobile device

8.3. Electronic educational resources for teaching academic subjects

8.3.1. Internal Electronic Library System of the University (IELSU)

№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1	Internal Electronic Library System (VEBS) PIMU	Proceedings of PIMU staff (textbooks, manuals, collections of tasks, methodological manuals, laboratory work, monographs, etc.)	Access by individual login and password from any computer and mobile device	Not limited

8.3.2. Electronic educational resources acquired by the University

No.	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1.	Database "Medicine. Healthcare (VO) and "Medicine. Healthcare (SPO)" as part of the database "Electronic library of a technical	Textbooks and teaching aids for higher medical and pharmaceutical education.	Access by individual login and password from any computer and mobile device	Not limited

	university (ELS "Student Consultant")			
2.	Database "Doctor's Consultant. Electronic Medical Library»	National guidelines, clinical guidelines, textbooks, monographs, atlases, reference books, etc.	Access by individual login and password from any computer and mobile device	Not limited
3.	Database "Electronic Library System "Bukap"	Educational and scientific medical literature of Russian publishing houses, incl. translated editions. The collection of subscription publications is formed point by point.	Access by individual login and password from any computer and mobile device. From university computers - access is automatic.	Not limited
4.	Electronic periodicals in the database "SCIENTIFIC ELECTRONIC LIBRARY eLIBRARY"	Electronic medical magazines	Access - from the computers of the university.	Not limited

8.3.3 Open access resources

No.	Name of the electronic resource	Brief description (content)	Access conditions
	Listed on the SDO website		Access to them is checked before the start of classes.

9. Material and technical support for mastering an academic discipline

9.1. List of premises for classroom activities for the discipline

1. Lectures:

- lecture hall equipped with presentation equipment: projector, screen, computer/laptop (1)
- conference room equipped with presentation equipment: projector, screen, computer/laptop (1)

2. Practical lessons:

- training rooms for practical training (4)
- ENT dressing rooms - departments (3)

9.2. List of equipment for classroom activities for the discipline

1. Lectures:

- a set of electronic presentations,
- presentation equipment: projector, screen, computer/laptop

2. Practical exercises:

- negatoscopes (5)
- Ro-grams of pathology of ENT organs.
- Audio and tympanograms
- Sets of tuning forks
- Frenzel vestibular glasses
- Training dummies:
 - 1 middle ear
 2. Inner ear
 3. Medial wall of the tympanic cavity
 4. Head and neck model
- Tool kits:
 1. Nasal mirrors
 2. Spatulas
 3. Ear funnels
 4. Nasopharyngeal mirrors
 5. Throat mirrors
 6. Sets of tuning forks
 7. Siegl funnel
 8. Otoscope
- Medical and diagnostic equipment used in the educational process:
 - swivel chair with electric drive in the vestibulometry room
 - audiometer in the audiometry room

9.3. A set of licensed and freely distributed software, including domestic production

Item no.	Software	number of licenses	Type of software	Manufacturer	Number in the unified register of Russian software	Contract No. and date
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovich	1960	2471/05-18 from 28.05.2018
2	MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	283	without limitation, with the right to receive updates for 1 year.
3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscription	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the Ministry of Health of Russia	170	Office Application	Microsoft		23618/HN10030 LLC "Softline Trade" from 04.12.2020

10. List of changes to the working program (to be filled out by the template)

Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation
(FSBEI HE "PRMU" of the Ministry of Health of Russia)

Department of
Diseases of the ear, throat and nose

CHANGE REGISTRATION SHEET

working program for the academic discipline
OTORHINOLARYNGOLOGY

Field of study / specialty / scientific specialty: _____ *(code, name)*

Training profile: _____ *(name) - for master's degree programs*

Mode of study: _____ *full-time/mixed attendance mode/extramural*

Position	Number and name of the program section	Contents of the changes made	Effective date of the changes	Contributor's signature
1				

Approved at the department meeting
Protocol No. _____ of _____ 20__

Head of the Department _____
department name, academic title signature print name