
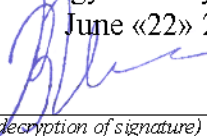


Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

**APPROVED**  
by the decision of the Academic Council of the USU  
Institute Medicine, Ecology and Physical Culture  
June «22» 2020, № 10/220

Chairman  V.I. Midlenko  
(signature, description of signature)

«22» of June 2020

### EDUCATIONAL PLAN

Subject:	Otorhinolaryngology
Department	Faculty surgery
Course	IV

Speciality 31.05.01 – General medicine

*(code of the speciality, full name)*

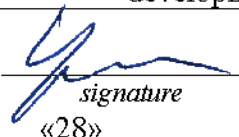
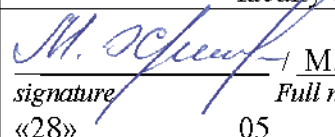
Form of education- full-time education


Date of introducing in the instruction process at USU: « 01 » September 2020.

The program was updated at the meeting of the department: № 1 of 31.08.2021  
 The program was updated at the meeting of the department: № 10 of 26.05.2022  
 The program was updated at the meeting of the department: №    of    20  

Information about the authors:

Initials	Abbreviation of the department	Abbreviation of the department
Nesterova Alena Valerevna	faculty surgery	Associate professor, PhD in Medical Sciences, Associate professor

AGREED	AGREED
Head of Department of faculty surgery, developing the discipline	Head of the graduation Department faculty therapy
 / <u>Charyshkin A.L.</u> / <i>signature</i> / <i>Full name</i> «28» <u>05</u> 2020 y.	 / <u>M. A. Vize-Khripunova</u> / <i>signature</i> / <i>Full name</i> «28» <u>05</u> 2020 y.

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## GOALS AND OBJECTIVES OF DISCIPLINE

The purpose of mastering the discipline: the formation of general professional competencies (GPC) GPC-11 and professional competencies (PC) PC-5, PC-6, PC-8, PC-10 according to the plan for the development of the educational program.

Tasks of mastering the discipline:

1. To acquaint students with the prevalence and significance of diseases of the ear, throat and nose in general pathology, with the importance of timely treatment of ENT pathology in the prevention of general morbidity and recovery of the population, with the principles of dispensary work.
2. To acquaint students with the features of the study of ENT organs - endoscopy, audiometry, vestibulometry and their significance in the clinical examination of the patient.
3. To acquaint students with the etiology, pathogenesis, clinic, diagnosis, prevention and treatment of ENT diseases, which are common and require emergency care.
4. To teach students practical skills and methods for providing emergency care for injuries, foreign bodies, bleeding and complicated diseases of ENT organs.

### 1. PLACE OF DISCIPLINES IN THE STRUCTURE OF GEP:

The discipline «Otorhinolaryngology» refers to the basic part of the professional block of disciplines (B1.B.24) GEP HE of speciality «General medicine».

Mastering the discipline is based on the knowledge, skills and abilities formed by previous disciplines and practices: «Propaedeutics of internal diseases», «General surgery. Introduction to the specialty», «Pathological anatomy», «Topographic anatomy and operative surgery», «Dentistry», «Psychology and pedagogy of medical activity», «Fundamentals of functional and laboratory diagnostics», «Immunology», «Medical rehabilitation», «Modern aspects of neurology», «Practice of obtaining primary professional skills, including primary abilities and skills of research activities (Care for therapeutic and surgical patients)», «Clinical practice (Care for therapeutic and surgical patients)», «Nursing Assistant», «Assistant Ward Nurse», «Assistant Procedural Nurse (part 1)», «Procedural Nurse Assistant (part 2)»

Studying the discipline «Otorhinolaryngology» allows students to obtain the necessary knowledge, skills in the development of the following disciplines: «Dermatovenerology», «Neurology, medical genetics, neurosurgery», «Pediatrics», «Faculty surgery», «Faculty therapy», «Ophthalmology», «Professional Diseases», «Psychiatry, Medical Psychology», «Endocrinology», «Hospital Therapy», «Infectious Diseases», «Traumatology, Orthopedics», «Hospital Surgery, Pediatric Surgery», «Contemporary problems pregnancy», «Diabetology and emergency endocrinology», «Forensic medicine», «Anesthesiology, resuscitation and intensive care», «Clinical pathological anatomy», «Phthiology», «Oncology, radiation therapy», «Radiation diagnostics», «Clinical Psychology», «Actual Issues of Gynecology», «Modern Aspects of Oncology», «Actual Issues of Internal Diseases», «Actual Issues of Hospital Surgery», «Urology and Andrology», «Diagnosis and Treatment of Extrapulmonary Tuberculosis», «Surgical gastroenterology-g I Endoscopy», «Palliative Medicine», «Actual problems of HIV infection», «Clinical electrocardiography», «Clinical practice (Assistant physician of a hospital)», «Practice of obtaining professional skills and experience of professional activity (Assistant physician of an outpatient clinic)».

### 3. THE LIST OF EXPECTED LEARNING RESULTS ON THE SUBJECT (UNIT), MATCHED TO EXPECTED RESULTS OF MASTERING THE PROGRAM

The study of the discipline «Otorhinolaryngology» is aimed at the formation of the following general professional and professional competencies among students: GPC-11 and PC-5, PC-6, PC-8, PC-10 according to the plan for the development of the educational program.

<b>Code and name of the sold competencies</b>	<b>The list of planned learning outcomes in the discipline, correlated with indicators of achievement of competencies</b>
GPC-11 Readiness for use of medical devices provided for by the medical care provision	<p>Know: The main tools used to examine ENT-organs and perform operations on the ear, throat and nose. Scroll medical instruments used in emergency care.</p> <p>Be able to: Conduct an examination of ENT organs using special tools. Interpret the results of the examination, make a clinical diagnosis, outline the volume of additional studies to clarify the diagnosis; to formulate preliminary diagnosis.</p> <p>Own: Estimates of the health status of the population of various age and gender groups. Interpretation of the results of instrumental examination methods in otorhinolaryngology</p>
PC-5 Readiness to collect and analyze patient complaints, his medical history, examination results, laboratory, instrumental, pathological and anatomical and other studies in order to recognize the state or establish the presence or absence of a disease	<p>Know: Readiness to collect and analyze patient complaints, his medical history, examination results, laboratory, instrumental, pathological and anatomical and other studies in order to recognize the state or establish the presence or absence of a disease</p> <p>To be able to: Take an anamnesis, conduct a survey of the patient, his relatives, conduct a physical examination of a patient of different ages. Formulate a clinical diagnosis.</p> <p>Own: interpretation of the results of laboratory, instrumental diagnostic methods. Practical skills in conducting and evaluating special studies and samples used in otorhinolaryngology.</p>
PC-6 The ability to determine in patients the main pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification of Diseases and health problems	<p>Know: etiology, pathogenesis, diagnosis, treatment and prevention of the most common diseases of ENT organs. The clinical picture, course features and possible complications of the most common diseases of ENT organs occurring in a typical form in children, adolescents and adults. Clinical manifestations of the main syndromes requiring surgical treatment; features of medical care in emergency conditions.</p> <p>Be able to: Determine the special (otorhinolaryngological) status of the patient. Conduct a special examination of the patient, assess the patient's condition to make a decision on the need for medical care, conduct an initial examination of the ENT organs. Interpret the results of the examination, put a preliminary diagnosis for the child and adolescent, outline the volume of additional studies to clarify the diagnosis, formulate a clinical diagnosis.</p> <p>Own: Algorithm for setting a detailed clinical diagnosis for patients. The terminology of ICD-X sections devoted to diseases of ENT organs.</p>
PC-8 Ability to determine the management tactics of patients with various nosological forms	<p>To know: modern methods of clinical, laboratory and instrumental diagnostics of patients with an otorhinolaryngological profile.</p> <p>To be able to: Develop a treatment plan for a patient with ENT disease, select and prescribe drug therapy. Outline the volume of additional studies to clarify the diagnosis.</p> <p>Own: interpretation of the results of laboratory, instrumental diagnostic methods.</p>
PC-10 Willingness to provide medical care for sudden acute diseases, conditions, exacerbation of chronic diseases that	<p>Know: Tactics of managing patients for the studied diseases of ENT organs.</p> <p>Be able to: Assign treatment to a patient with acute or chronic otorhinolaryngological pathology.</p> <p>Own: Interpretation of the results of laboratory, instrumental methods of</p>

are not accompanied by a threat to the patient's life and do not require emergency medical care	diagnosis and treatment of patients with acute and chronic diseases of ENT organs.
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#### 4. Volume of the subject

##### 4.1. Volume of the subject in credit points (total): 3

##### 4.2. On types of academic workload (in hours):108

Type of academic workload	Number of hours (full-time education)		
	Total for the plan	Including by semester	
		7	8
Contact work of students with a teacher in accordance with UP	72	72/72*	-
Auditory lessons:			
Lectures	18	18/18*	-
Seminars and workshops	54	54/54*	-
Laboratory work, workshops	-	-	-
Independent work	36	36	-
Form of current knowledge control and independent work control	Oral survey, test the control, problem solving	- Oral survey, test the control, problem solving	-
Course work	-	-	-
Types of intermediate certification	credit	credit	-
Total hours for discipline	108	108	-

\*- if it is necessary to use partially or exclusively remote educational technologies in the educational process, the number of hours of teaching staff working with students for conducting classes in a remote format using e-learning is indicated in the table using a slash.

##### 4.3. The content of a subject (unit.) Distribution of hours on themes and types of academic workload:

Form of training full-time

Title sections and topics	Total	Types of Training					Form of current knowledge control and independent work control
		Auditory lessons			Independent work	Course work	
		Lectures	Seminars and workshops	Laboratory work, workshops			
1	2	3	4	5	6	7	
Section 1. General issues of otorhinolaryngology							
Topic 1. Methods and techniques of endoscopic examination of ENT organs. Clinical anatomy	8	-	6		2	2	Oral survey, test the control

and physiology of the auditory analyzer.							
Topic 2. Research methods of the auditory analyzer. Clinical anatomy, physiology and research methods of the vestibular analyzer.	10	-	6		2	4	Oral survey, test the control
Topic 3. Clinical anatomy, physiology and research methods: nose, paranasal sinuses, pharynx, larynx, trachea, bronchi and esophagus.	10	-	6		-	4	Oral survey, test the control
<b>Section 2. Inflammatory diseases of the ENT organs</b>							
Topic 4. Diseases of the external ear. Acute and chronic purulent inflammatory diseases of the middle ear.	12	2	6		-	4	Oral survey, test the control
Topic 5. Otogenic intracranial complications (meningitis, abscess of the brain and cerebellum) and otogenic sepsis. Non-purulent ear diseases: middle ear catarrh, cochlear neuritis, otosclerosis, Meniere's disease	14	4	6		-	4	problem solving, test the control
Topic 6. Diseases of the nose and paranasal sinuses. Rhinogenic complications.	14	4	6		-	4	Oral survey, problem solving, test the control

Topic 7. Pharyngeal diseases: acute and chronic pharyngitis, pharyngomycosis, tonsillitis, specific tonsillitis, paratonsillar abscess, chronic tonsillitis, hypertrophy of lymphadenoid tissue.	14	4	6		-	4	Oral survey, problem solving, test the control
Topic 8. Inflammatory diseases of the larynx. Acute and chronic laryngeal stenosis	12	2	6		2	4	Oral survey, problem solving, test the control
<b>Section 3. Emergency conditions, tumors and infectious granulomas of ENT organs</b>							
Topic 9. Injuries, foreign bodies, bleeding from the ENT organs and emergency care for them.	8	-	6		-	2	Oral survey, problem solving, test the control
Topic 10. Tumors and infectious granulomas of the upper respiratory tract and ear.	6	2	-		-	4	problem solving,
<b>Total</b>	<b>108</b>	<b>18</b>	<b>54</b>			<b>36</b>	

## 5. DISCIPLINE CONTENT (MODULE)

### **Section 1.** General issues of otorhinolaryngology

**Topic 1** Methods and techniques of endoscopic examination of ENT organs. Clinical anatomy and physiology of the auditory analyzer. The content of the topic.

Mesopharyngoscopy Anterior, middle and posterior rhinoscopy, examination of the respiratory function of the nasal cavity, indirect laryngoscopy, otoscopy, study of ear barofunction. Anatomy of the temporal bone, outer, middle and inner ear. Facial nerve, thenography, branches

**Topic 2** Research methods of the auditory analyzer. Clinical anatomy, physiology and research methods of the vestibular analyzer. The content of the topic.

Study of hearing with speech, tuning forks, tonal threshold and suprathreshold audiometry. Drawing up an auditory passport, reading audiograms, computer audiometry. The study of spontaneous vestibular disorders. Caloric, rotational and pneumatic tests, otolithic reaction. Drawing up a vestibular passport.

Topic

**3 Topic 3.** Clinical anatomy, physiology and research methods: nose, paranasal sinuses, pharynx, larynx, trachea, bronchi and esophagus.

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The content of the topic.

Clinical anatomy of the nose and paranasal sinuses. Features of arterial and venous blood supply, lymphatic drainage of the external nose, nasal cavity and paranasal sinuses, their clinical significance. Clinical anatomy of the pharynx: departments, layers, blood supply, lymphatic system, innervation.

Features of the structure of the pharyngeal space in children. Clinical anatomy of the larynx: cartilage, joints and ligaments, external and internal muscles, blood and lymph supply, innervation, topography of blood vessels and nerves of the head and neck. Clinical anatomy of the esophagus, trachea and bronchi.

**Section 2.** Inflammatory diseases of the ENT organs

**Topic 4.** Diseases of the external ear.

Acute and chronic purulent inflammatory diseases of the middle ear.

The content of the topic.

Ear examination methods. Chondroperichondritis of the auricle. Boil of the external auditory canal, diffuse external otitis media, otomycosis, sulfuric plug. Acute otitis media, mastoiditis, atypical forms of mastoiditis. Chronic otitis media. Labyrinthitis

**Topic 5.** Otogenic intracranial complications (meningitis, abscess of the brain and cerebellum) and otogenic sepsis. Non-purulent ear diseases: middle ear catarrh, cochlear neuritis, otosclerosis, Meniere's disease.

The content of the topic.

Extradural abscess, subdural abscess, brain abscess, cerebellar abscess, sinus thrombosis. Principles and methods of surgical interventions for emergency conditions and ear diseases. Cochlear neuritis: etiology, pathogenesis, clinical features, diagnosis, treatment methods, prevention. Adhesive otitis media: clinic, diagnosis, methods of conservative therapy. Exudative otitis media: clinic, diagnosis, conservative methods of treatment. Otosclerosis: clinic, diagnosis, treatment methods. Meniere's disease: clinic, diagnosis, conservative and surgical methods of treatment

**Topic 6.** Diseases of the nose and paranasal sinuses. Rhinogenic complications.

The content of the topic.

Boil of the nose. Acute rhinitis. Features of the course of rhinitis in infants. Simple chronic rhinitis. Chronic hyperplastic rhinitis. Chronic atrophic rhinitis. Vasomotor rhinitis: a) allergic, b) neurovegetative. Conservative treatments for chronic rhinitis, surgical treatments for rhinitis. Atresia Hoan. Acute sinusitis, chronic inflammatory diseases of the sinuses. Intracranial and intraorbital complications: a) conservative treatment, b) surgical treatment. Physiotherapy for inflammatory diseases of the nose and sinuses.

**Topic 7.** Pharyngeal diseases: acute and chronic pharyngitis, pharyngomycosis, tonsillitis, specific tonsillitis, paratonsillar abscess, chronic tonsillitis, hypertrophy of lymphadenoid tissue.

The content of the topic.

Acute pharyngitis, chronic pharyngitis, erysipelas of the pharynx, pharyngomycosis. Tonsil hyperplasia, adenoid growths. Sore throats: catarrhal, lacunar, follicular. Tonsils of lingual tonsil. Peptic ulcer. Secondary tonsillitis: with scarlet fever, infectious mononucleosis, diphtheria, agranulocytosis, leukemia. Paratonsillar abscess, parapharyngeal abscess, pharyngeal abscess. Chronic tonsillitis. Physiotherapy for diseases of the pharynx.

**Topic 8.** Inflammatory diseases of the larynx. Acute and chronic stenosis of the larynx.

The content of the topic.

Acute laryngitis, chronic laryngitis. Angina and phlegmonous laryngitis. Chondroperichondritis. Acute stenosis of the larynx. Physiotherapy for inflammatory diseases of the larynx.

**Section 3.** Emergency conditions, tumors and infectious granulomas of ENT organs

**Topic 9.** Injuries, foreign bodies, bleeding from the ENT organs and emergency care for them. Features in children.

The content of the topic.

Injuries and damage to the external ear, foreign bodies of the external auditory canal. Injuries to the nose, emergency care. Epistaxis: classification, assessment of the degree of blood loss,

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local use of coagulating agents, anterior nasal tamponade, posterior nasal tamponade, detachment of the nasal mucosa, ligation of the adductors throughout. Foreign bodies of the nose: clinical features, complications, methods for their removal. Injuries, foreign bodies and diseases of the pharynx, emergency care for them. Injuries, foreign bodies and diseases of the larynx, esophagus, emergency care for them.

**Topic 10.** Tumors and infectious granulomas of the upper respiratory tract and ear.

The content of the topic.

Neoplasms of the larynx. Benign laryngeal tumors (papillomas, hemangioma, laryngeal polyp). Benign tumors of the nose and paranasal sinuses (papillomas, angiomas, chondromas, osteomas). Clinic, diagnosis, treatment. Malignant tumors of the nose and paranasal sinuses (cancer, sarcoma, melanoblastoma, estesioneuoblastoma). Angiofibroma of the base of the skull. The clinical picture, depending on the options for the direction of growth and stage of the process. Diagnostics. Treatment. The defeat of the ENT organs in tuberculosis, syphilis, scleroma.

## 6. TOPICS OF PRACTICAL AND SEMINAR LESSONS

**Section 1.** General issues of otorhinolaryngology

**Topic 1.** Methods and techniques of endoscopic examination of ENT organs. Clinical anatomy and physiology of the auditory analyzer.

Questions to the topic:

1. Organization of the workplace of an otorhinolaryngologist.
2. Principles of work with the frontal reflector.
3. Mastering the methods of endoscopy of ENT organs.
4. Topographic anatomy of the outer ear.
5. The system of cavities of the middle ear.
6. Structural features of the mastoid process and tympanum.
7. The structure of the auditory tube.
8. Anatomy of the inner ear, spiral organ.
9. The physiology of the ear, sound-conducting and sound-receiving devices.
10. Conducting paths of the auditory analyzer.

**Topic 2.** Research methods of the auditory analyzer. Clinical anatomy, physiology and research methods of the vestibular analyzer.

Questions to the topic:

1. Ear research methods (otoscopy, determination of patency of the auditory tube, radiography of the temporal bones).
2. Study of hearing acuity by speech.
3. Tuning fork (air and bone conduction, auditory passport).
4. Audiometry (tonal threshold, sensitivity to ultrasound, computer audiometry). The main types of audiograms.
5. Clinical anatomy of the vestibule and semicircular canals.
6. The structure of the receptor apparatus of the vestibule and canals.
7. The structure of the vestibular analyzer, communication with other systems.
8. Adequate and inadequate stimuli of the vestibular apparatus.
9. Types of reactions to irritation of the vestibular apparatus.
10. Research methods of vestibular function.
11. Definition of spontaneous vestibular disorders, caloric, pneumatic tests and otolithic reaction.

**Topic 3.** Clinical anatomy, physiology and research methods: nose, paranasal sinuses, pharynx, larynx, trachea, bronchi and esophagus.

Questions to the topic:

1. The structure of the external nose.



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2. The nasal cavity and its walls.
3. Features of blood supply to the nose.
4. The functions of the nose.
5. The structure of the paranasal sinuses, age-related features.
6. Research methods of the nose and sinuses.
7. X-ray examination of the nose and sinuses.
8. The structure of the pharynx, departments, layers.
9. Paratonsillar, parapharyngeal and pharyngeal spaces.
10. Lymphadenoid pharyngeal ring.
11. Features of the structure of the tonsils.
12. The functions of the pharynx. Pharyngeal ring functions.
13. Methods of study of the pharynx. X-ray examination of the pharynx.
14. Anatomy of the larynx, trachea and bronchi.
15. Blood supply and especially the innervation of the larynx.
16. The functions of the larynx. Methods of larynx examination - direct and indirect laryngoscopy, microlaryngoscopy.
17. The anatomy of the esophagus.
18. Research methods of the trachea, bronchi and esophagus.

### **Section 2.** Inflammatory diseases of the ENT organs

**Topic 4.** Diseases of the external ear. Acute and chronic purulent inflammatory diseases of the middle ear.


Questions to the topic:

1. Sulfur cork.
2. Furuncle of the auditory meatus.
3. Microbial and fungal otitis externa, perichondritis.
4. Acute suppurative otitis media.
5. Features of otitis media in infants.
6. Antritis, mastoiditis, atypical forms of mastoiditis.
7. Chronic suppurative otitis media.
8. Clinical forms of otitis media (mesothympanitis, epithympanitis). Conservative treatment methods. Surgical sanitation operations. Tympanoplasty.
9. Labyrinthitis.

**Topic 5.** Otogenic intracranial complications (meningitis, abscess of the brain and cerebellum) and otogenic sepsis. Non-purulent diseases of the ear: catarrh of the middle ear, cochlear neuritis, otosclerosis, Meniere's disease.

Questions to the topic:

1. Acute catarrh of the middle ear.
  2. Chronic catarrh of the middle ear.
  3. Adhesive otitis media.
  4. Acute cochlear neuritis.
  5. Chronic cochlear neuritis.
  6. Otosclerosis.
  7. Meniere's disease
  8. Extradural and perisinous abscesses.
  9. Otogenic meningitis.
  10. An abscess of the brain and cerebellum.
  11. Thrombosis of the sigmoid sinus.
  12. Otogenic sepsis.
- Surgical intervention for otogenic complications. Conservative therapy.

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**Topic 6.** Diseases of the nose and paranasal sinuses. Rhinogenic complications.

Questions to the topic:

1. Curvature of the nasal septum.
2. Acute rhinitis.
3. Chronic rhinitis.
4. Vasomotor rhinitis.
5. Acute sinusitis.
6. Chronic sinusitis.
7. Orbital complications.
8. Intracranial complications.
9. Anomalies in the development of the nose.
10. A boil of a nose.

**Topic 7.** Pharyngeal diseases: acute and chronic pharyngitis, pharyngomycosis, tonsillitis, specific tonsillitis, paratonsillar abscess, chronic tonsillitis, hypertrophy of lymphadenoid tissue.

Questions to the topic:

1. Acute pharyngitis.
2. Chronic pharyngitis.
3. Pharyngomycosis.
4. Classification of angina.
5. Primary tonsillitis.
6. Paratonsillitis. Parapharyngitis. Retropharyngitis.
7. Tonsillogenous sepsis.
8. Symptomatic (secondary) tonsillitis.
9. Chronic tonsillitis.
10. Adenoids.
11. Hypertrophy of the tonsils.

**Topic 8.** Inflammatory diseases of the larynx. Acute and chronic stenosis of the larynx.

Questions to the topic:

1. Anomalies in the development of the larynx.
2. Acute laryngitis.
3. Chronic laryngitis.
4. Laryngeal tonsillitis.
5. Acute stenotic laryngitis.
6. Acute stenosing laryngotracheobronchitis.
7. Diphtheria of the larynx.
8. Acute stenosis of the respiratory tract. Paresis and paralysis of the larynx.
9. Chronic airway stenosis.
10. Conicotomy, tracheostomy, prolonged nasotracheal intubation.

**Section 3. Emergency conditions, tumors and infectious granulomas of ENT organs**

**Topic 9.** Injuries, foreign bodies, bleeding from the ENT organs and emergency care for them.

Questions to the topic:

1. Nose injuries.
2. Hematoma and abscess of the nasal septum.
3. Epistaxis.
4. Injuries and burns of the pharynx.
5. Burns and injuries of the esophagus.
6. Injuries to the neck and larynx.
7. Ear injuries. Fractures of the temporal bone. Vibro, baro and ear trauma.
8. Foreign bodies of the ear.

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9. Foreign bodies of the nose and sinuses.
10. Foreign bodies of the pharynx.
11. Foreign bodies of the lower respiratory tract.
12. Foreign bodies of the esophagus.

#### **7. LABORATORY WORKS**

Laboratory work is not provided by the curriculum.

#### **8. TOPICS OF COURSE, CONTROL WORKS, ABSTRACTS**

This type of work is not provided by the curriculum.

#### **9. LIST OF QUESTIONS TO THE CREDIT**

1. The structure of the auricle, topography and anatomy of the external auditory canal.
2. The structure of the tympanic cavity, the topography of its walls.
3. The structure of the eardrum, especially in infants, muscles and ligaments of the middle ear, auditory ossicles, their functions.
4. The structure of the medial wall of the tympanic cavity, the course of the facial nerve, its branches.
5. The structure and functions of the Eustachian tube, structural features in infants, the study of ear barofunctions. Types of structure of the mastoid processes, research methods.
6. The structure of the cochlea (tympanic and vestibular staircases, liquid media, membranous membranes of the wall of the membranous cochlea, plumbing of the cochlea, the structure of the main membrane).
7. The structure of the Corti's organ, pathways, the center of hearing
8. Physiology of the auditory analyzer (range of perception of sounds, the main properties of the auditory analyzer, sound conduction, sound perception, bone and air conduction, Helmholtz theory, other hearing theories).
9. Methods of hearing research: whispering and colloquial speech, tuning forks. The main laws of sound-conducting and sound-absorbing hearing loss according to tonal audiometry.
10. Clinical anatomy of the vestibular analyzer (structure of semicircular canals and sacs of vestibules, ampullar and otolith receptors).
11. Conducting paths of the vestibular analyzer, central departments, communication with various systems.
12. Physiology of the vestibular analyzer (function and adequate stimulus of the semicircular canals and sacs of the vestibule). Evald's experience, the laws that he deduced, the "iron" laws of Voyachek.
13. Research methods of the vestibular analyzer (study of spontaneous vestibular disorders), their assessment.
14. Research methods of the vestibular analyzer (rotational, caloric, pneumatic tests, otolithic reaction), their assessment.
15. Clinical anatomy of the nose (structure of the external nose, structure of the nasal cavity, structure of the nasal concha, respiratory, olfactory and reflexogenic zones of the nose).
16. Clinical anatomy of the nose (topography of the walls of the nasal cavity).
17. Features of the blood supply to the nose, features of the venous outflow from the nasal cavity, value for the clinic.
18. Clinical anatomy and topography of the maxillary sinuses and ethmoid labyrinth.  
(etiology, clinic, diagnosis, treatment).
19. Limited (boil) and diffuse external otitis media (etiology, clinic, diagnosis, treatment).
20. Otomycosis (etiology, clinic, diagnosis, treatment).
21. Acute purulent otitis media (etiology, pathogenesis, clinical stages, emergency care in the first stage, treatment).
22. Mastoiditis (etiology, pathogenesis, manifest clinical symptoms, diagnosis, treatment. Purpose, essence of anthromastoidotomy). Atypical forms of mastoiditis.

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23. Chronic suppurative otitis media (mesotympanitis). Etiology, pathogenesis, clinical features, treatment principles.
24. Chronic suppurative otitis media (epitympanitis). Etiology, pathogenesis, clinic, principles of treatment. Purpose, essence of radical surgery for chronic suppurative epitympanitis, indications for surgery.
25. Orogenic purulent meningitis; etiology, the spread of infection, the main, manifest clinical symptoms. Diagnostic methods, treatment principles.
26. Orogenic sepsis (sinus thrombosis): etiology, pathogenesis, ways of infection, the main, manifest clinical symptoms. Diagnostic methods, treatment principles.
27. Orogenous brain abscess: etiology, pathogenesis, pathways of infection, clinical stages. Symptoms of a clear stage. Diagnostic methods, treatment principles.
28. Orogenous cerebellar abscess: etiology, pathogenesis, pathways of infection, main, manifest clinical symptoms. Diagnostic methods, treatment principles.
29. Orogenic labyrinthitis: etiology, pathogenesis, classification, clinic, diagnosis, treatment.
30. Acute catarrh of the middle ear (exudative otitis media): etiology, pathogenesis of the clinic, diagnosis, nature of auditory impairment, treatment principles.
31. Acute sensorineural hearing loss: etiopathogenesis, clinical features, diagnosis, treatment.
32. Sulfur cork and foreign bodies of the external auditory meatus.
33. Tumors of the outer and middle ear: clinic, diagnosis, treatment principles.
34. Foreign bodies of the nose. Rhinoliths. Removal Methods. Features of removal in young children.
35. Nose injuries, fractures of the nasal bones. Classification, clinic, diagnosis, emergency care.
36. Hematoma and abscess of the nasal septum (etiology, clinic, diagnosis, treatment). Possible complications with improper treatment.
37. Epistaxis: etiopathogenesis, clinic, emergency care, treatment.
38. Nasal boil: etiopathogenesis, clinical features, complications, treatment.
39. Curvature of the nasal septum, etiology, classification, clinic, diagnosis, treatment principles.
40. Acute rhinitis: etiopathogenesis, stage by stage clinic, diagnosis, treatment. Features of the course of acute rhinitis in infants.
41. Classification of chronic rhinitis. Etiopathogenesis, clinic, diagnosis, treatment of catarrhal rhinitis.
42. Atrophic rhinitis: etiopathogenesis, clinical features, differential diagnosis, principles and methods of treatment.
43. Classification of chronic rhinitis. Hypertrophic rhinitis: etiopathogenesis, clinical features, differential diagnosis, principles and methods of treatment. 44 Vasomotor rhinitis: etiopathogenesis clinic, differential diagnosis, principles and methods of treatment. 45. Acute sinusitis (maxillitis): etiopathogenesis, clinical features, differential diagnosis, complications. Principles and methods of treatment.
46. Acute frontal sinusitis: etiopathogenesis, clinical features, diagnostic methods, principles and treatment methods.
47. Acute ethmoiditis: etiopathogenesis, principles and methods of treatment, complications.
48. Acute sphenoiditis: etiopathogenesis, clinic, principles and methods of treatment.
49. Orbital complications of acute and chronic sinusitis: pathogenesis, classification, clinic, treatment.
50. Rhinogenic abscess of the frontal lobe of the brain: etiology, pathogenesis, pathways of infection, clinical stages. Symptoms of a clear stage. Diagnostic methods, treatment principles.
51. Rhinogenic sepsis-thrombosis: etiopathogenesis, clinical features, diagnosis, differential diagnosis with eye phlegmon, principles and methods of treatment.
52. Youthful angiofibroma of the nasopharynx, early and manifest symptoms, clinical features, diagnosis, treatment principles.
53. Acute and chronic pharyngitis: etiopathogenesis, classification, clinic, treatment.
54. Sore throats: definition of tonsillitis, etiopathogenesis, classification, clinic, diagnosis, treatment.
55. Simulovsky-Vincent's ulcerous-film angina: etiopathogenesis, clinic, diagnosis, treatment.

56. Paratonsillar abscess, pharyngeal abscess: etiology, clinic, diagnosis, emergency care, treatment, possible complications.
57. Chronic tonsillitis: etiopathogenesis, classification, clinic, objective signs, principles of treatment of chronic compensated tonsillitis.
58. Chronic tonsillitis: etiopathogenesis, classification, clinic, objective signs, principles of treatment of chronic decompensated tonsillitis.
59. Hypertrophy of the pharyngeal and palatine tonsils. Etiology, classification, clinic, diagnosis, treatment principles.
60. Sore throat with blood diseases (agranulocytosis, infectious mononucleosis), clinical features, diagnosis.
61. Angina with diphtheria and scarlet fever, clinical features, diagnosis.
62. Foreign bodies of the pharynx: clinic, complications, removal methods.
63. Acute laryngitis: etiopathogenesis, clinical features, treatment.
64. Laryngeal tonsillitis and phlegmonous laryngitis: pathogenesis, clinical features, complications, treatment.
65. Acute sub-laryngitis: etiopathogenesis, clinical features, diagnosis, complications, treatment.
66. Chronic laryngitis: etiopathogenesis, classification, clinic, diagnosis, complications, treatment.
67. Foreign bodies of the larynx and trachea; pathogenesis, clinic, diagnostics, removal methods.
68. Foreign bodies of the bronchi: pathogenesis, clinical features, diagnosis, methods of removal.
69. Foreign bodies of the esophagus: pathogenesis, clinical features, removal methods.
70. Burns of the oral cavity, pharynx and esophagus: pathogenesis, clinical features, complications, treatment.
71. Benign laryngeal tumors: etiology, clinical features, treatment principles.
72. Laryngeal cancer: etiology, clinical features, treatment principles.
73. The defeat of the ENT organs in syphilis, tuberculosis and scleroma.

## 10. SELF-STUDY WORK OF STUDENTS

Form of training full-time

<b>Title sections and topics</b>	<b>Type of independent work (study of educational material, problem solving, abstract, report, test, preparation for passing the test, exam, etc.)</b>	<b>Amount of hours</b>	<b>The form control (verification of problem solving, abstract, etc.)</b>
Section 1. General issues of otorhinolaryngology Topic 1. Methods and techniques of endoscopic examination of ENT organs. Clinical anatomy and physiology of the auditory analyzer.	Independent work with literary sources. Independent work on developing research methods for ENT organs.	2	problem solving, test the control
Theme 2. Research methods of the auditory analyzer. Clinical anatomy, physiology and research methods of the vestibular analyzer.	Independent work on developing research methods for ENT organs. Study material training. Work with literary sources.	4	problem solving, test the control

Topic 3. Clinical anatomy, physiology and research methods: nose, paranasal sinuses, pharynx, larynx, trachea, bronchi and esophagus.	Work with literary sources.	4	test the control
Section 2. Inflammatory diseases of the ENT organs. Topic 4. Diseases of the external ear. Acute and chronic purulent inflammatory diseases of the middle ear.	Work with literary sources.	4	problem solving, test the control
Topic 5. Otogenic intracranial complications (meningitis, abscess of the brain and cerebellum) and otogenic sepsis. Non-purulent diseases of the ear: catarrh of the middle ear, cochlear neuritis, otosclerosis, Meniere's disease.	Work with literary sources.	4	problem solving, test the control
Topic 6. Diseases of the nose and paranasal sinuses. Rhinogenic complications.	Work with literary sources.	4	problem solving, test the control
Topic 7. Pharyngeal diseases: acute and chronic pharyngitis, pharyngomycosis, tonsillitis, specific tonsillitis, paratonsillar abscess, chronic tonsillitis, hypertrophy of lymphadenoid tissue.	Work with literary sources.	4	problem solving, test the control
Topic 8. Inflammatory diseases of the larynx. Acute and chronic stenosis of the larynx.	Work with literary sources.	4	problem solving,
Topic 9. Injuries, foreign bodies, bleeding from the ENT organs and emergency care for them.	Work with literary sources.	2	problem solving, test the control
Topic 10. Tumors and infectious granulomas	Work with literary sources.	4	problem solving

of the upper respiratory tract and ear.			
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## 11. EDUCATIONAL AND METHODOLOGICAL AND INFORMATION SUPPORT OF DISCIPLINE

### a) List of recommended literature

Main literature:

1. Пальчун В.Н. Оториноларингология: учебник [Электронный ресурс] / В. Т. Пальчун, М. М. Магомедов, Л. А. Лучихин. - 3-е изд., перераб. и доп. - М.: ГЭОТАР-Медиа, 2014. - ISBN 978-5-9704-2949-5 - Режим доступа: <http://www.studentlibrarv.ru/book/ISBN978597049495.html>
2. Вишняков В.В. Оториноларингология [Электронный ресурс] / В.В. Вишняков - М.: ГЭОТАР-Медиа, 2014 - ISBN 978-5-9704-3013-2. Режим доступа: <http://www.studentlibrarv.ru/book/ISBN9785970430132.html>

### Additional literature:

1. Пальчун В.Н. Оториноларингология: национальное руководство [Электронный ресурс] / под ред. В. Т. Пальчуна; Рос. общ-во оториноларингологов. - 2-е изд., перераб. и доп. - М. : ГЭОТАР-Медиа, 2016. - 1024 с. - ISBN 978-5-9704-3746-9. Режим доступа: <http://www.studentlibrarv.ru/book/ISBN9785970437469.html>
2. Бабияк В.И. Оториноларингология : учебник для вузов / В. И. Бабияк [и др.]. - Санкт-Петербург : Питер, 2012. - 640 с.: ил. - (Учебник для вузов). - Библиогр.: с. 639-640. - ISBN 978-5-459-00510-3.
3. Пальчун В.Т. Оториноларингология: учебник. [Электронный ресурс]- М.: ГЭОТАР-Медиа, 2013. -368 с. - ISBN 978-5-9704-2337-0. Режим доступа: <http://www.studentlibrarv.ru/book/ISBN9785970437469.html>
4. Пальчун В.Т. Оториноларингология : учебник для вузов / Пальчун В.Т., М. М. Магомедов, Л. А. Лучихин. - 2-е изд., испр. и доп. - Москва : ГЭОТАР-Медиа, 2011. - 656 с. : ил. - Прилож.: CD-ROM. - ISBN 978-5-9704-1804-8

### b) The methodical literature:

1. Нестерова А. В. Методические указания для практических занятий и самостоятельной работы студентов по дисциплине «Оториноларингология» для специальности 31.05.01 «Лечебное дело» с частичным освоением программы на английском языке / А. В. Нестерова; УлГУ, Мед. фак., Каф. факульт. хирургии. - Ульяновск : УлГУ, 2019. - Загл. с экрана; Неопубликованный ресурс. - Электрон. текстовые дан. (1 файл : 372 КБ). - Текст : электронный. <http://lib.ulsu.ru/MegaPro/Download/MObject/4750>


Согласовано:

*И. Сидорова* И. Сидорова И. Сидорова И. Сидорова И. Сидорова И. Сидорова И. Сидорова И. Сидорова И. Сидорова И. Сидорова  
 Должность сотрудника научной библиотеки ФИО подпись дата

### C) Professional databases, information and reference systems

1. Electronic library systems:

- 1.1. IPRbooks: electronic library system: website / group of companies AI PI Ar Media. - Saratov, [2020]. - URL: <http://www.iprbookshop.ru> - access Mode: for registered users. users'. - Text: electronic.
- 1.2. YURAYT: electronic library system: website / LLC Electronic publishing house YURAYT. - Moscow, [2020]. - URL: <https://www.biblio-online.ru> - access Mode: for registered users. users'. - Text: electronic.
- 1.3. student Consultant: electronic library system: website / Politehresurs LTD. - Moscow, [2020]. - URL: [http://www.studentlibrary.ru/catalogue/switch\\_kit/x2019-128.html](http://www.studentlibrary.ru/catalogue/switch_kit/x2019-128.html). - Access mode: for registered users. users'. - Text: electronic.

Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		

- 1.4. LAN: electronic library system: website / EBS LAN LLC. - Saint Petersburg, [2020]. - URL: <https://e.lanbook.com> – - access Mode: for registered users. users'. - Text: electronic.
- 1.5. Znaniy.com : e-library system : website / OOO Synium. - Moscow, [2020]. - URL: <http://znaniy.com> – - access Mode: for registered users. users'. - Text: electronic.
- 1.6. Clinical Collection: collection for medical universities, clinics, medical libraries // EBSCOhost : [portal]. - URL: <http://web.a.ebscohost.com/ehost/search/advanced?vid=1&sid=e3ddfb99-a1a7-46dd-a6eb-2185f3e0876a%40sessionmgr4008>. - access Mode: for authorization. users'. - Text: electronic.
2. ConsultantPlus [Electronic resource]: reference legal system. / Consultant Plus LLC-Electron. Dan. - Moscow: ConsultantPlus, [2020].
3. databases of periodicals:
- 3.1. database of periodicals: electronic journals / LLC IVIS. - Moscow, [2020]. - URL: <https://dlib.eastview.com/browse/udb/12> – - access Mode: for authorization. users'. - Text: electronic.
- 3.2. eLIBRARY.RU: scientific electronic library: website / LLC Scientific Electronic Library. - Moscow, [2020]. - URL: <http://elibrary.ru> – - access Mode: for authorization. users'. - Text: electronic
- 3.3. "Grebennikon": electronic library / Grebennikov ID. - Moscow, [2020]. - URL: <https://id2.action-media.ru/Personal/Products> – - access Mode: for authorization. users'. - Text: electronic.
4. national electronic library: electronic library: Federal state information system: website / Ministry of culture of the Russian Federation; RSE. - Moscow, [2020]. - URL: <https://нэб.рф> – - access Mode: for users of the scientific library. - Text: electronic.
5. SMART Imagebase / / EBSCOhost: [portal]. - URL: <https://ebsco.smartimagebase.com/?TOKEN=EBSCO-1a2ff8c55aa76d8229047223a7d6dc9c&custid=s6895741> – - access Mode: for authorization. users'. - Image : electronic.
6. Federal information and educational portals:
- 6.1. Single window of access to educational resources: Federal portal / founder of the Federal state educational INSTITUTION DPO CRGOP and it. - URL: <http://window.edu.ru/>. - Text: electronic.
- 6.2. Russian education: Federal portal / founder of the Federal state educational INSTITUTION DPO CRGOP and it. - URL: <http://www.edu.ru>. - Text: electronic.
7. Ulsu Educational resources:
- 7.1. Ulsu Electronic library: ABIS Mega-PRO module / date Express LLC. - URL: <http://lib.ulsu.ru/MegaPro/Web> – - access Mode: for users of the scientific library. - Text: electronic.
- 7.2. Ulsu Educational portal. - URL: <http://edu.ulsu.ru> – - access Mode: for registered users. - Text: electronic.

Согласовано:


зам. нач. грот | Ключкова СВ | 09.06.2020г.  
 Должность сотрудника УИТиТФИО      ФИО      подпись дата

## 12. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE:

The lecture halls are equipped with multimedia equipment to provide information to a large audience. The rooms for independent work are equipped with computer equipment with the ability to connect to the Internet and providing access to an electronic educational information environment, an electronic library system. Specialized study rooms of the otorhinolaryngology discipline have individual jobs for students. The following equipment is available for practical training:

1. A set of ENT tools, a set of radiographs, forms of audiograms.
2. Otoscope.



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3. Politzer balloon, Siegel pneumatic ear funnel.
4. Tuning fork s128.
5. Armchair Barani.

**Office equipment used in the educational process:**

1. Computer (stationary display and unit, laptop)
2. Multimedia projector

**13. SPECIAL CONDITIONS FOR STUDENTS WITH DISABILITIES OF HEALTH**

If it is necessary, students with disabilities (at the request of the student) may be offered the following options for perceiving information, according their individual psychophysical characteristics:

- for persons with visual impairment: printed information in large print; in the form of an electronic document; in the form of an audio file (translation of training materials into audio format; individual tasks and consultations;
- for persons with hearing impairment: in print; in the form of an electronic document; individual tasks and consultations;
- for persons with disorders of the musculoskeletal system: in print; in the form of an electronic document; in the form of an audio file; individual tasks and consultations.



If it is necessary to use partially / exclusively distance educational technologies in the educational process, the organization of teaching staff work with students with disabilities and disabled people is provided in the electronic information and educational environment, taking into account their individual psychophysical characteristics.

Developer



Candidate of Medical Sciences A.V. Nesterova.

**LIST OF CHANGES of  
Educational plan of discipline «Otorhinolaryngology»  
Speciality 31.05.01. «General medicine»**

<b>№ п/п</b>	<b>Content of the change or a link to the attached text of the</b>	<b>Full name of the head of the De- partment develop- ing the discipline</b>	<b>Signature</b>	<b>Date</b>
1	Introduction of changes to item A) Recommended Literature item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 1	Чарышкин А.Л.		31.08.2021
2	Introduction of changes to item C) Professional databases, information and reference systems item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 2	Чарышкин А.Л.		31.08.2021

## 11. EDUCATIONAL AND METHODOLOGICAL AND INFORMATION SUPPORT OF DISCIPLINE

### a) List of recommended literature

Main literature:

1. Palchun, V. T. Otorhinolaryngology / Palchun V. T. , Kryukov A. I. , Magomedov M. M. - Москва : ГЭОТАР-Медиа, 2020. - 560 с. - ISBN 978-5-9704-5473-2. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970454732.html>.
2. Nick Roland; Duncan McRae; Andrew W. McCombe. Key topics in Otolaryngology [S.l.]: Thieme. 2019. eBook.  
<http://search.ebscohost.com/login.aspx?direct=true&db=e600xww&AN=2001303&lang=de&site=ehost-live>.

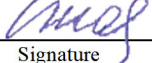
Additional literature:

1. Christine B. Franzese; Cecelia C. Damask; Sarah K. Wise. Handbook of Otolaryngic Allergy New York : Thieme. 2019. eBook. <http://search.ebscohost.com/login.aspx?direct=true&db=e600xww&AN=2196521&lang=de&site=ehost-live&ebv=EB&ppid=pp Cover>.
2. Нестерова, Алена Валерьевна. Methods of research of ent organs [Электронный ресурс] / Нестерова А.В., Колчин Д.В. Электрон. дан. Ульяновск: УлГУ, 2019. 1 опт. диск. Систем. требования: операционная система MS Windows XP; браузер MS Internet Explorer 6.0 и выше; оперативная память не менее 256 Мб; видеорежим 1024×768, 32 бит. Загл. с экрана. <http://www.edu.ulsu.ru/courses/963/interface/>

### b) The methodical literature:

1. Нестерова А. В. Методические указания для практических занятий и самостоятельной работы студентов по дисциплине «Оториноларингология» для специальности 31.05.01 «Лечебное дело» с освоением части программы на английском языке / А. В. Нестерова; УлГУ, Мед. фак. - Ульяновск : УлГУ, 2021. - 35 с. - Неопубликованный ресурс. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/10584>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.

Agreed:

Chief Librarian of the SL of UISU / Stadolnikova D.R. /  / 11.05.2021 /

Position of the Scientific Library

Full name

Signature

Date

## 11. EDUCATIONAL AND METHODOLOGICAL AND INFORMATION SUPPORT OF DISCIPLINE

### c) Professional databases, information and reference systems

- 1.1. IPRbooks: electronic library system: website / IP Ar Media Group of companies. - Saratov, [2021]. - URL: <http://www.iprbookshop.ru>. - Access mode: for registration. users. - Text : electronic.
- 1.2. YURAYT : electronic library system: website / LLC Electronic publisher YURAYT. - Moscow, [2021]. - URL: <https://urait.ru>. - Access mode: for registration. users. - Text : electronic.
- 1.3. Student's consultant : electronic library system: website / Poly-techresurs LLC. - Moscow, [2021]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. - Access mode: for registered users. users. - Text : electronic.
- 1.4. Doctor's consultant: electronic library system: website / LLC Higher School of Organization and Management of Healthcare-Comprehensive medical consulting. - Moscow, [2021]. - URL: <https://www.rosmedlib.ru>. - Access mode: for registration. users. - Text : electronic.
- 1.5. Big medical library: electronic library system: website / LLC Bukap. - Tomsk, [2021]. – URL: <https://www.books-up.ru/ru/library/>. - Pre-stop mode: for registration. users. - Text : electronic.
- 1.6. Lan: electronic library system: website / EBS Lan LLC. - St. Petersburg, [2021]. - URL: <https://e.lanbook.com>. - Access mode: for registered users. users. - Text : electronic.
- 1.7. Znanium.com : electronic library system: website / Znanium LLC. - Moscow, [2021]. - URL: <http://znanium.com>. - Access mode : for registered users. pol-callers. - Text : electronic.
- 1.8. Clinical Collection: a collection for medical universities, clinics, medical libraries // EBSCOhost : [portal]. – URL: <http://web.b.ebscohost.com/ehost/search/advanced?vid=1&sid=9f57a3e1-1191-414b-8763-e97828f9f7e1%40sessionmgr102>. - Access mode : for authorization. users. - Text : electronic.
2. ConsultantPlus [Electronic resource]: reference legal system. / LLC "Consultant Plus" - Electron. dan. - Moscow: ConsultantPlus, [2021].
3. Databases of periodicals:
  - 3.1. Database of periodicals : electronic journals / IVIS LLC. - Moscow, [2021]. - URL: <https://dlib.eastview.com/browse/udb/12>. - Access mode : for authorization. users. - Text : electronic.
  - 3.2. eLIBRARY.RU: scientific electronic library: website / Scientific Electronic Library LLC. - Moscow, [2021]. - URL: <http://elibrary.ru>. - Access mode : for authorization. users. - Text : electronic
  - 3.3. "Grebennikon": electronic library / ID Grebennikov. - Moscow, [2021]. – URL: <https://id2.action-media.ru/Personal/Products>. - Access mode : for authorization. users. - Text : electronic.
4. National Electronic Library: electronic library: federal State information system: website / Ministry of Culture of the Russian Federation; RGB – - Moscow, [2021]. - URL: <https://нэб.рф>. - Access mode : for users of the scientific library. - Text : electronic.
5. SMART Imagebase // EBSCOhost : [portal]. – URL: <https://ebSCO.smartimagebase.com/?TOKEN=EBSCO-1a2ff8c55aa76d8229047223a7d6dc9c&custid=s6895741> – - Access mode: for authorization. users. - Image : electronic.
6. Federal information and educational portals:
  - 6.1. Single window of access to educational resources : federal portal / founder of the FSAOU DPO TSRGOP and IT. - URL: <http://window.edu.ru/>. - Text : electronic.
  - 6.2. Russian education : federal portal / founder of the FSAOU DPO TSRGOP and IT. - URL: <http://www.edu.ru>. - Text : electronic.
7. Educational resources of USU:
  - 7.1. Electronic library of USU: module ABIS Mega-PRO / LLC "Date Express". – URL: <http://lib.ulsu.ru/MegaPro/Web>. - Access mode : for users of the scientific library. - Text : electronic.

Agreed:

*Zaitseva N.Yu.*

Full name



*Kuznetsov D.B.*

Signature

*05.04.2021*

Date

**LIST OF CHANGES of  
Educational plan of discipline «Otorhinolaryngology»  
Speciality 31.05.01. «General medicine»**

<b>№ п/п</b>	<b>Content of the change or a link to the attached text of the</b>	<b>Full name of the head of the De- partment devel- oping the disci- pline</b>	<b>Signature</b>	<b>Date</b>
1	Introduction of changes to item A) Recommended Literature item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 1	Чарышкин А.Л.		26.05.2022
2	Introduction of changes to item C) Professional databases, information and reference systems item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 2	Чарышкин А.Л.		26.05.2022

## 11. EDUCATIONAL AND METHODOLOGICAL AND INFORMATION SUPPORT OF DISCIPLINE

### a) List of recommended literature

#### Core reading:

1. Palchun, V. T. Otorhinolaryngology / Palchun V. T. , Kryukov A. I. , Magomedov M. M. - Москва : ГЭОТАР-Медиа, 2020. - 560 с. - ISBN 978-5-9704-5473-2. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970454732.html>.
2. Nick Roland; Duncan McRae; Andrew W. McCombe. Key topics in Otolaryngology [S.l.]: Thieme. 2019. eBook.  
<http://search.ebscohost.com/login.aspx?direct=true&db=e600xww&AN=2001303&lang=de&site=ehost-live>

#### Supplementary reading:

1. Christine B. Franzese; Cecelia C. Damask; Sarah K. Wise. Handbook of Otolaryngic Allergy New York : Thieme. 2019. eBook. <http://search.ebscohost.com/login.aspx?direct=true&db=e600xww&AN=2196521&lang=de&site=ehost-live&ebv=EB&ppid=pp> Cover.
2. Нестерова, Алена Валерьевна. Methods of research of ent organs : электронный учебный курс / Нестерова Алена Валерьевна, Д. В. Колчин. - Ульяновск : УлГУ, 2019. - URL: <https://portal.ulsu.ru/course/view.php?id=91716> . - Режим доступа: Портал ЭИОС УлГУ. - Текст : электронный.

#### Educational and methodical literature:

1. Нестерова А. В. Методические указания для практических занятий и самостоятельной работы студентов по дисциплине «Оториноларингология» для специальности 31.05.01 «Лечебное дело» с освоением части программы на английском языке / А. В. Нестерова; УлГУ, Мед. фак. - Ульяновск : УлГУ, 2021. - 35 с. - Неопубликованный ресурс. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/10584>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.

Agreed:






The position of the worker scientific library

Full name

signature

data

## 11. EDUCATIONAL AND METHODOLOGICAL AND INFORMATION SUPPORT OF DISCIPLINE

### d) Professed data base, directory and search systems:

#### 1. Electronic library systems:

- 1.1. IPRbooks: electronic library system: website / IP Ar Media Group of companies. - Saratov, [2022]. - URL: <http://www.iprbookshop.ru>. - Access mode: for registration. users. - Text : electronic.
- 1.2. YURAYT : electronic library system: website / LLC Electronic publisher YURAYT. - Moscow, [2022]. - URL: <https://urait.ru>. - Access mode: for registration. users. - Text : electronic.
- 1.3. Student's consultant : electronic library system: website / Poly-techresurs LLC. - Moscow, [2022]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. - Access mode: for registered users. users. - Text : electronic.
- 1.4. Doctor's consultant: electronic library system: website / LLC Higher School of Organization and Management of Healthcare-Comprehensive medical consulting. - Moscow, [2022]. - URL: <https://www.rosmedlib.ru>. - Access mode: for registration. users. - Text : electronic.
- 1.5. Big medical library: electronic library system: website / LLC Bukap. - Tomsk, [2022]. – URL: <https://www.books-up.ru/ru/library/>. - Pre-stop mode: for registration. users. - Text : electronic.
- 1.6. Lan: electronic library system: website / EBS Lan LLC. - St. Petersburg, [2022]. - URL: <https://e.lanbook.com>. - Access mode: for registered users. users. - Text : electronic.
- 1.7. Znaniy.com : electronic library system: website / Znaniy LLC. - Moscow, [2022]. - URL: <http://znaniy.com>. - Access mode : for registered users. pol-callers. - Text : electronic.
- 1.8. Clinical Collection: a collection for medical universities, clinics, medical libraries // EBSCOhost : [portal]. – URL: <http://web.b.ebscohost.com/ehost/search/advanced?vid=1&sid=9f57a3e1-1191-414b-8763-e97828f9f7e1%40sessionmgr102>. - Access mode : for authorization. users. - Text : electronic.

**2. ConsultantPlus** [Electronic resource]: reference legal system. / LLC "Consultant Plus" - Electron. dan. - Moscow: ConsultantPlus, [2022].

#### 3. Databases of periodicals:

- 3.1. Database of periodicals : electronic journals / IVIS LLC. - Moscow, [2022]. - URL: <https://dlib.eastview.com/browse/udb/12>. - Access mode : for authorization. users. - Text : electronic.
- 3.2. eLIBRARY.RU: scientific electronic library: website / Scientific Electronic Library LLC. - Moscow, [2022]. - URL: <http://elibrary.ru>. - Access mode : for authorization. users. - Text : electronic
- 3.3. "Grebennikon": electronic library / ID Grebennikov. - Moscow, [2022]. – URL: <https://id2.action-media.ru/Personal/Products>. - Access mode : for authorization. users. - Text : electronic.

**4. National Electronic Library**: electronic library: federal State information system: website / Ministry of Culture of the Russian Federation; RGB – - Moscow, [2022]. - URL: <https://нэб.рф>. - Access mode : for users of the scientific library. - Text : electronic.

5. SMART Imagebase // EBSCOhost : [portal]. – URL: <https://ebSCO.smartimagebase.com/?TOKEN=EBSCO-1a2ff8c55aa76d8229047223a7d6dc9c&custid=s6895741> – - Access mode: for authorization. users. - Image : electronic.

#### 6. Federal information and educational portals:

6.1. Single window of access to educational resources : federal portal / founder of the FSAOU DPO TSRGOP and IT. - URL: <http://window.edu.ru/>. - Text : electronic.

6.2. Russian education : federal portal / founder of the FSAOU DPO TSRGOP and IT. - URL: <http://www.edu.ru>. - Text : electronic.

7. Educational resources of USU:

7.1. Electronic library of USU: module ABIS Mega-PRO / LLC "Date Express". – URL: <http://lib.ulsu.ru/MegaPro/Web>. - Access mode : for users of the scientific library. - Text : electronic.

Agreed:

Заместитель директора | Муромов А.В. | [Signature] | 12.04.2022  
The position of the worker scientific library      Full name      signature      data