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Federal State Budget Educational Institution

of Higher Education
Pacific State Medical University
of the Ministry of Health of the Russian Federation

APPROVED BY
First Vice-Rector

_____ / Trankovskaya L.V./
"9" июня 2025

# DISCIPLINE WORK PROGRAM

## Б1.О.25 Otorhinolaryngology

(name of discipline)

| | |
|---|---|
| **Specialty** | **31.05.01 General Medicine for international students (in English)** (code, name) |
| **Degree** | Specialist's degree |
| **Profile** | 02 "Healthcare" (in the field of providing primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient/outpatient facilities of the municipal health care system) |
| **Mode of study** | Full-time |
| **Period of mastering the BEP** | **6 years** (nominal length of study) |
| **Department** | of Ophthalmology and Otorhinolaryngology |

Vladivostok, 2025

Program of the discipline **Б1.О.25 Otorhinolaryngology** is based on:
1) Federal State Educational Standard of Higher Education for the specialty approved by the Order No. 988 of Ministry of Science and Higher Education of the Russian Federation dated August 12, 2020.

2) Curriculum for the 31.05.01 General Medicine for international students (in English), profile 02 "Healthcare" (in the field of providing primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient/outpatient facilities of the municipal health care system), approved by the Academic Council of FSBEI HE PSMU of the Ministry of Health of Russia, Report No. 8/24-25 dated March 31, 2025.

Work program for the discipline was developed by the writing team of the Department of Ophthalmology and Otorhinolaryngology of the FSBEI HE PSMU of the Ministry of Health of Russia, under the guidance of the head of the department, professor, Doctor of Medical Sciences Fedyashev G.A.

**Developed by:**

| | | |
|---|---|---|
| Professor of the Department of Ophthalmology and Otorhinolaryngology | Doctor of Medical Sciences | Gilifanov E. A. |
| (position held) | (academic degree, academic title) | (full name) |
| Assistant professor of the Department of Ophthalmology and Otorhinolaryngology | Candidate of Medical Sciences | Fomina S.L. |
| (position held) | (academic degree, academic title) | (full name) |

## 1. GENERAL PROVISIONS

### 1.1. Purpose and Objectives of Mastering Б1.О.25 Otorhinolaryngology

**The purpose** of mastering the discipline is acquiring knowledge of the conceptual foundations of otorhinolaryngology: morphophysiological and age-related characteristics of ENT organs, as well as the principles of diagnosing ENT organ pathology, treatment and prevention measures in otorhinolaryngology in conjunction with the body as a whole.

**Objectives** of mastering the discipline:

1. Developing clinical thinking, independence, creative activity in students; acquiring knowledge of connection between various physiological and pathological processes in ENT organs, general patterns of these processes in ENT organs and the human body as a whole, about the morphological, physiological and pathological features of ENT organs, their age-related characteristics;
2. Mastering methods of modern early diagnosis and specialized treatment of ENT pathology, as well as methods of preventing ENT diseases; acquiring emergency medical aid skills in otorhinolaryngology;
3. Mastering skills of studying scientific and specialized literature, communication with colleagues, patients, medical personnel.

## 2. DISCIPLINE AS PART OF THE BASIC EDUCATIONAL PROGRAM

Discipline **Б1.О.25 Otorhinolaryngology** is included in the Mandatory part of the Unit 1 of the basic educational program for the specialty 31.05.01 General Medicine for international students (in English), profile 02 "Healthcare" (in the field of providing primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient/outpatient facilities of the municipal health care system), and is part of the 7th semester's curriculum

## 3. PLANNED LEARNING OUTCOMES OF THE DISCIPLINE

3.1. Mastering the discipline **Б1.О.25 Otorhinolaryngology** is aimed at the development of students' competencies. The discipline facilitates the development of students' competencies corresponding to the types of professional activity.

| Name of competency category (group) / Labor function | **Code and Name of competency of the graduate** | **Competency Indicators** |
|---|---|---|
| **General Professional Competencies** | | |
| Instrumental Diagnostics | GPC-4. Is able to use medical devices included in the healthcare guidelines, as well as perform medical examination to make a diagnosis | CI.GPC-$4_1$- uses medical devices for diagnosis, treatment and rehabilitation in accordance with healthcare guidelines<br>CI.GPC-$4_2$- performs medical examination of a patient using basic and general clinical skills, laboratory tests and diagnostic procedures<br>CI.GPC-$4_3$- evaluates medical examination results in order to make a diagnosis |
| **Professional Competencies** | | |
| A/01.7 Providing emergency or urgent medical care to the patient | PC-2 Ability and readiness to recognize urgent and life-threatening conditions in acute surgical pathology, traumatic | CI.PC-$2_1$- has a grasp of life-threatening conditions in acute surgical pathology, traumatic conditions, pregnancy and childbirth, that require urgent and emergency medical care; |

| | | |
|---|---|---|
| | conditions, diseases of the female genital organs and pregnancy requiring urgent and emergency medical care | CI.PC-$2_2$- demonstrates skills and selects the tactics of patient management in infectious and noninfectious diseases requiring emergency and urgent medical care;<br>CI.PC-$2_3$- diagnoses life-threatening and emergency conditions in diseases of the organs of visual system and ENT organs, determines the tactics of patient management and providing emergency medical care |

3.2. Types of professional activity corresponding to competencies developed over the course of mastering **Б1.О.25 Otorhinolaryngology**:

Types of professional activity objectives

1. *Medical*

Kinds of professional activity objectives

1. *Diagnostics*
2. *Treatment*

3.3. Planned learning outcomes of mastering the discipline are represented by knowledge, skills, abilities and/or experience, characterize the stages of developing competencies and ensure achievement of the planned outcomes of mastering the basic educational program. Learning outcomes of a discipline are correlated with competency indicators.

## 4. SCOPE AND CONTENT OF THE DISCIPLINE

4.1. Scope of the Discipline and Types of Academic Work

| **Type of Academic Work** | | **Total Hours** | **Semesters** |
|---|---|---|---|
| | | | **7** |
| | | | **hours** |
| 1 | | 2 | 3 |
| **Classroom hours (total),** including: | | **72** | **72** |
| Lectures (L) | | 20 | 20 |
| Practical classes (C) | | 52 | 52 |
| **Independent work of the student (IW),** including: | | **36** | **36** |
| *Writing a patient record* | | 6 | 6 |
| *Writing library- research papers* | | 16 | 16 |
| *Preparing for classes (CP)* | | 14 | 14 |
| Interim assessment | | | |
| **Type of interim assessment** | pass/fail test (T) | T | T |
| | exam (E) | | |
| **TOTAL: TOTAL credit value** | hrs. | **108** | **108** |
| | credits | **3** | **3** |

4.2. Contents of the Discipline

4.2.1. Topics of Discipline Lectures and Academic Hours per Semester

| No. | Lecture Topic | Hours |
|---|---|---|
| 1 | 2 | 3 |
| | Semester No. 7 | |
| 1. | Introduction to otorhinolaryngology, its content and place among other branches of medicine. History of Russian otorhinolaryngology. Morphophysiological characteristics of the auditory and vestibular systems | 2 |
| 2. | Acute pathology of the external, middle, and inner ear. Antritis, mastoiditis, mastoidectomy | 2 |
| 3. | Chronic inflammation of the middle ear. Radical surgery. Types of tympanoplasty | 2 |
| 4. | Otogenic intracranial complications. Otogenic sepsis | 2 |
| 5. | Non-purulent ear diseases: tubootitis, exudative and adhesive otitis media, Meniere's disease, otosclerosis | 2 |
| 6. | Morphophysiological characteristics of the nose and paranasal sinuses. Defects and deformities of the external nose, nose furuncle, epistaxis (nosebleed). Hematoma and abscess of the nasal septum. Acute and chronic rhinitis | 2 |
| 7. | Acute and chronic diseases of the nose and paranasal sinuses. Rhinogenic orbital and intracranial complications | 2 |
| 8. | Morphophysiological characteristics of the pharyngeal lymphoid ring. Acute tonsillitis, classification, differential diagnosis, modern treatment methods | 2 |
| 9. | Chronic tonsillitis, classification, its significance in the medical practice. Palatine tonsils hypertrophy, adenoiditis | 2 |
| 10. | Morphophysiological characteristics of the larynx. Acute and chronic laryngitis, acute subglottic (obstructive) laryngitis. Intubation, tracheostomy, conicotomy | 2 |
| | **Hours per semester total** | **20** |

4.2.2. Topics of Discipline Practical Classes and Academic Hours per Semester

| No. | Practical Class Topic | Hours |
|---|---|---|
| 1 | 2 | 3 |
| | Semester No. | |
| 1 | Clinical anatomy, physiology, methods of examination of the nose and paranasal sinuses | 4 |
| 2 | Clinical anatomy, physiology, methods of examination of the pharynx, larynx, trachea, bronchi, esophagus | 4 |
| 3 | Clinical anatomy, physiology, methods of examination of the auditory system | 4 |
| 4 | Clinical anatomy, physiology, methods of examination of the vestibular system | 4 |
| 5 | Acute and chronic pathology of the outer, middle, inner ear. Supervised patient management | 4 |
| 6 | Ear diseases of non-inflammatory etiology | 4 |
| 7 | Otogenic intracranial complications | 4 |
| 8 | Acute and chronic pathology of the nose | 4 |
| 9 | Acute and chronic pathology of the paranasal sinuses | 4 |
| 10 | Rhinogenic orbital and intracranial complications | 4 |
| 11 | Acute and chronic pharyngeal pathology | 4 |
| 12 | Acute and chronic laryngeal pathology | 4 |
| 13 | Foreign bodies, chemical and thermal injury of the pharynx, larynx, esophagus, physical injury to ENT organs. Bleeding from ENT organs, emergency medical | 4 |

| | | |
|---|---|---|
| | aid | |
| | **Hours per semester total** | **52** |

4.2.3. Independent Work of the Student

| No. | Name of the Discipline Section | Type of IW | Total Hours |
|---|---|---|---|
| 1 | 3 | 4 | 5 |
| | Semester No. 7 | | |
| 1 | Supervised patient management | Writing a medical record | 6 |
| 2 | Infectious granulomas of the ENT organs | Writing a library-research paper | 8 |
| 3 | Tumors of the ENT organs | Writing a library-research paper | 8 |
| 4 | Preparing for practical classes | Preparing for tests and working with case studies, supervised patient management, acquiring practical skills | 14 |
| | **Hours per semester total** | | **36** |

## 5. REQUIREMENTS FOR IMPLEMENTATION OF DISCIPLINE

### 5.1. Discipline Requirements for Educational Materials and Provided Information

Essential reading

| No. | Name/Title, Resource Type | Author(s)/Editor | Publisher Imprint, Web Address | Number of Copies (accesses) in the Library and Information Center |
|---|---|---|---|---|
| **1** | **2** | **3** | **4** | **5** |
| **1** | Palchun, V. T. Otorhinolaryngology: textbook | V. T. Palchun, A. I. Kryukov, M. M. Magomedov | M. : GEOTAR-Media, 2022. - 578, [12] | Unlimited access |
| **2** | Anatomy, physiology and research methods of ENT organs: textbook. the manual [Electronic resource] | E. A. Gilifanov, M. U. Korkmazov, L. B. Ardeeva | Vladivostok : Medicine FE 2025. - 167 c. URL: https://www.books-up.ru | Unlimited access |
| **3** | Vishnyakov, V. V. Otorhinolaryngology [Electronic resource] - 2nd ed., revised. | V. V. Vishnyakov | M. : GEOTAR-Media, 2022. - 392 c. URL: http://www.studentlibrary.ru | Unlimited access |
| **4** | Otorhinolaryngology: national guide [Electronic resource] | edited by V.T. Palchun | M. : GEOTAR-Media, 2020. - 1024 c. URL: http://www.studentlibrary.ru/ | Unlimited access |
| **5** | Otorhinolaryngology : textbook / V. T. Palchun, A. I. Kryukov, | V. T. Palchun, A. I. Kryukov, M. M. Magomedov | M. : GEOTAR-Media, 2020. - 554 p. URL: http://www.studentlibrary.ru/ | Unlimited access |
| **6** | Training manual for the discipline | V. P. Shpotin, A. A. Grigorieva | Astrakhan : Astrakhan SMU 2021. - 104 c. URL: https://www.books-up.ru | Unlimited access |
| **7** | Otorhinolaryngology | M. V. Subbotina. | Irkutsk: ISMU, 2023. - 84 c. URL: https://e.lanbook.com | Unlimited access |

Supplementary reading

| No. | Name/Title, Resource Type | Author(s)/Editor | Publisher Imprint, Web Address | Number of Copies (accesses) in the Library and Information Center |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| 1 | Otorhinolaryngology : textbook [Electronic resource] | edited by S. A. Karpishchenko | M. : GEOTAR-Media, 2018. URL: http://www.studentlibrary.ru/ | Unlimited access |
| 2 | Otorhinolaryngology [Electronic resource] | A. A. Gorokhov, U. K. Yanov, V. V. Dvoryanchikov, V. G. Mironov. | - 2nd edition, expanded and corrected. St. Petersburg : SpecLit, 2019. 224 p. URL: https://www.books-up.ru | Unlimited access |
| 3 | Palchun V. T. Otorhinolaryngology : textbook [Electronic resource] | V. T. Palchun, A. I. Kryukov, M. M. Magomedov | - 5nd edition, expanded and corrected M. : GEOTAR-Media, 2024. - 584 c. URL: http://www.studentlibrary.ru | Unlimited access |
| 4 | Palchun V. T. Otorhinolaryngology | V. T. Palchun, A. I. Kryukov, M. M. Magomedov | M. : GEOTAR-Media, 2020. - 560 c. http://www.studentlibrary.ru/ | Unlimited access |
| 5 | Subbotina, M. V. Situational tasks in otorhinolaryngology: collection of tasks | M. V. Subbotina, O. V. Antipina. - Irkutsk | ISMU, 2019. - 91 c. URL: https://e.lanbook.com | Unlimited access |

Online resources

1. Electronic library system "Student Consultant" http://studmedlib.ru/
2. Electronic library system "University Library Online"http://www.biblioclub.ru/
3. Electronic library system "Urait" https://urait.ru/
4. Electronic library system "BookUp" https://www.books-up.ru/
5. Resources owned by the Library and Information Center of FSBEI HE PSMU of the Ministry of Health of Russia https://tgmu.ru/university/bibliotechno-informacionnyj-centr/resursy-bic/sobstvennye/

Online resources and respective user guides are available on the Library and Information Center website Library and Information Center — PSMU (tgmu.ru)

**5.2. Discipline Requirements for Facilities and Resources**

Information on the facility and resource availability and requirements of the discipline is available on the Facility and resource availability and requirements. FSBEI HE PSMU of the Ministry of Health of Russia (tgmu.ru)" page of the official website of the university.

**5.3. List of Information Technologies, Information and Reference Systems, Licensed and Free Software (Including Domestically-developed Software):**

1. PolycomTelepresence M100 Desktop Conferencing Application (Videoconference system)
2. SunRav Software tTester
3. 7-PDF Split & Merge
4. ABBYYFineReader
5. Kaspersky Endpoint Security
6. INDIGO online testing system
7. Microsoft Windows 7
8. Microsoft Office Pro Plus 2013
9. 1C:University
10. GARANT system
11. MOODLE (Modular Object-Oriented Dynamic Learning Environment)

## 6. ASPECTS OF THE IMPLEMENTATION OF THE DISCIPLINE FOR STUDENTS WITH DISABILITIES AND SPECIAL NEEDS

6.1. Availability of Accessible Environment

For students with disabilities and special needs, if a written application is submitted, lectures and practical classes are carried out taking into account health limitations, individual capabilities and medical status (hereinafter referred to as individual characteristics) of the student. Compliance with the following general requirements is ensured: teaching aids for collective and individual use are provided, required technical assistance is provided by an assistant; buildings and premises where lectures and practical classes are taking place meet accessibility requirements, other arrangements lack of which makes it impossible or difficult to master the discipline are made.

6.2. Ensuring Compliance with General Requirements

When lectures and practical classes are carried out at the written application of the student, the following general requirements are met: lectures and practical classes for students with disabilities and special needs take place at the same location as for students who do not have disabilities, if this does not cause difficulties for students; an assistant (assistants), who provide(s) students with the necessary technical assistance taking into account individual characteristics of the student, is (are) provided; necessary teaching aids are provided, taking into account individual characteristics of the student.

6.3. Availability of the Internal Policies and Procedures of FSBEI HE PSMU of the Ministry of Health of Russia to Students with Disabilities in a Format Accessible to Them.

All internal policies and procedures of FSBEI HE PSMU of the Ministry of Health of Russia concerning the discipline are made available to students with disabilities in a format accessible to them.

6.4. Increase in the Time Limit of Interim Assessment for Students with Disabilities and Special Needs in Relation to the Established duration

Format of the interim assessment of academic performance within the scope of the discipline conducted for students with disabilities and special needs is selected taking into account individual characteristics of the students (orally, by writing on paper, by typing on a computer, as a test, etc.). The duration of the interim assessment in relation to the established duration is increased at the

written application of the student with disabilities. Time limit for the student's preparation for the test is increased by at least 0.5 hours.

## 7. STAFFING REQUIREMENTS OF THE DISCIPLINE

Academic teaching personnel that ensure the implementation of the discipline education process meet the requirements of the Federal State Educational Standard of Higher Education for the 31.05.01 General Medicine for international students (in English) specialty; list of the aforementioned personnel is available on the website of the educational organization.

## 8. TUTORIAL WORK

| Type of tutorial work | Forms and approaches to tutorial work | Assessment criteria |
|---|---|---|
| Assistance in personal growth | Overt<br>Talks and problem-centric debates; participation in workshops, Olympiads, professional events (as volunteers, organizers, administrators) | Portfolio |
| | Covert – creating atmosphere and infrastructure, ethics, and deontology of medical environment | |
| Civic position and values | Overt<br>Cultivating a patriotic civic position | Portfolio |
| | Covert<br>Cultivating ideological position | |
| Social values | Overt<br>Focusing on healthy lifestyle as a general cultural value | Portfolio |
| | Covert<br>Focusing on health and life as universal human values and the center social values | |