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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
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"11th" of April 2025

SUBJECT GUIDE FOR TEACHERS AND STUDENTS FOR

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

Subject guide for teachers and students for **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.

Subject guide for teachers and students for **Б1.О.25 Otorhinolaryngology** 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.

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1. GENERAL PROVISIONS

Subject guide for **Б1.О.25 Otorhinolaryngology** is a set of recommendations and explanations that facilitate to optimal organization of mastering this discipline.

Regular analysis of lecture materials and work with end-of-the-text questions are necessary for better understanding of the material and systematization of knowledge of **Б1.О.25 Otorhinolaryngology**. Particular attention should be paid to emerging questions, confusing terms, and conflicts of points of view during the independent review of the lecture material. If necessary, a student should contact the teacher for advice. Lecture material streamlines students' thinking, while practical classes provide deeper insight into the material of the discipline.

Special attention should be paid to the content of the main provisions and conclusions, explanation of phenomena and facts, and clarification of the practical application of theoretic aspects of topic when preparing for a practical class. During this process students should aim to understand and remember the main provisions of the material under consideration, examples provided, as well as understand the illustrative material.

Collections of assessment tools are used to organize independent study of topics of **Б1.О.25 Otorhinolaryngology**.

Independent work of students is facilitated by the following:

1. availability and accessibility of the necessary educational and reference material;
2. a system of regular quality control of completed independent work;
3. availability of teacher's advice.

Subject guides for self-study are presented as literary sources. Subject guides for independent work of students include a list of library resources of the educational institution and other materials accessible to students.

Independent work is a type of in-person extracurricular work of teachers and students of **Б1.О.25 Otorhinolaryngology**. Control of independent work is conducted by the leading teacher. Evaluation of independent work results is taken into account when conducting interim examination of students throughout **Б1.О.25 Otorhinolaryngology** course.

Continuous assessment during **Б1.О.25 Otorhinolaryngology** course is implemented in order to check indicators of achieving competencies, to stimulate students' academic work, and improve methods of mastering new knowledge. Continuous assessment during **Б1.О.25 Otorhinolaryngology** course is conducted during the semester to assess all types and sections of the academic discipline that encompass the competencies developed by the discipline: classroom questioning, working with tests, preparing slides presentations, conducting research. Continuous assessment of students' knowledge and results of their preparation for practical classes is conducted during every class session.

Interim assessment aims to determine the level of mastery of competency indicators. It is conducted in the test format after the student has mastered all sections of **Б1.О.25 Otorhinolaryngology** and takes into account learning outcomes for all types of student work over the entire period of mastering **Б1.О.25 Otorhinolaryngology** course.

Time allotted for interim assessment is indicated in the schedule.

Assignments given during practical classes, as well as assignments aimed to prepare students for continuous and interim assessment, are included in the collection of assessment tools for **Б1.О.25 Otorhinolaryngology**. If necessary, students should contact the teacher for advice. It is necessary to thoroughly think over questions that need clarification before seeking teacher's advice.

2. SUBJECT GUIDES FOR LECTURE CLASSES

Table 1. Subject Guides for **Б1.О.25 Otorhinolaryngology** Lectures

Topic No.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	
Duration of the lecture (in academic hours):	2
Purpose of the lecture: 1. tell students about the history of the development of otorhinolaryngology, determine its content and get acquainted with the morpho-physiological characteristics of the auditory and vestibular systems; 2. define the anatomical structures and functions of the auditory and vestibular systems; 3. analyze the methods of examining auditory and vestibular systems.	
Lecture plan, order of presentation of its sections: - Introduction to otorhinolaryngology, its content and place among other branches of medicine - History of development of otorhinolaryngology - Morphophysiological characteristics of the outer, middle and inner ear - Main functions of the auditory and vestibular systems and methods of examining them	
Recommended reading: 1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru 2. Electronic Otorhinolaryngology: textbook Edited by A. A. Gorokhov, Yu. K. Yanov, V. V. Dvoryanchikov, V. G. Mironov. - 2nd ed. supplement. and that's it.. - SPB [Electronic resource]: textbook SPb.: SpetsLit, 2019. - 224 p. URL: https://www.books-up.ru http://www.studentlibrary.ru 3. Electronic Otorhinolaryngology: national guidelines ed. Palchun V. T. M.: GEOTAR-Media, 2020. - 1024 p. - Text: electronic / / EBS "Student's Consultant": [website]. - URL: http://www.studentlibrary.ru	
Topic No.2 Acute pathology of the external, middle, and inner ear. Antritis, mastoiditis, mastoidectomy	
Duration of the lecture (in academic hours):	2
Purpose of the lecture: 1. tell students about acute pathology of the external, middle, inner ear, their age-related characteristics; 2. define key terms: types of external otitis and otitis media; 3. examine mastoiditis, antritis, methods of their diagnosis, conservative and surgical treatment.	
Lecture plan, order of presentation of its sections: - Types of external otitis and otitis media, clinical manifestation, diagnosis, treatment - Complications of acute otitis media, age-related aspects - Antritis and mastoiditis: conservative and surgical treatment methods, prevention	
Recommended reading: 1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru 2. Electronic Otorhinolaryngology: textbook Edited by A. A. Gorokhov, Yu. K. Yanov, V.	

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Topic No.3 Chronic inflammation of the middle ear. Radical surgery. Types of tympanoplasty

Duration of the lecture (in academic hours):	2

Purpose of the lecture:
1. tell students about chronic inflammation of the middle ear;
2. define key terms: types of chronic inflammation of the middle ear, their clinical manifestation, diagnosis, and treatment;
3. examine methods of conservative and surgical treatment of this pathology, as well as hearing-improving operations (types of tympanoplasty)

Lecture plan, order of presentation of its sections:
- Chronic otitis media: definition, classification, diagnosis, clinical manifestation
- Surgical treatment methods of chronic otitis media

Recommended reading:
1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru
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Topic No.4 Otogenic intracranial complications. Otogenic sepsis

Duration of the lecture (in academic hours):	2

Purpose of the lecture:
1. tell students about the types of otogenic intracranial complications;
2. analyze the etiology and infection pathways from the middle ear to the cranial cavity;
3. examine diagnostic methods, conservative and surgical treatment, as well as measures to prevent complications.

Lecture plan, order of presentation of its sections:
- Classification, prevalence, etiology, pathogenesis, diagnosis, and clinical progression of otogenic intracranial complications
- Clinical manifestation, diagnosis, and conservative and surgical treatment of otogenic intracranial complications, including otogenic sepsis

Recommended reading:
1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru

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Topic No.5 Non-purulent ear diseases: tubootitis, exudative and adhesive otitis media, Meniere's disease, otosclerosis

Duration of the lecture (in academic hours):	2

Purpose of the lecture:
1. tell students about non-purulent ear diseases: tubootitis, exudative and adhesive otitis media;
2. define key terms: Meniere's disease, otosclerosis;
3. examine methods of diagnosis, classification, clinic, treatment of Meniere's disease, otosclerosis.

Lecture plan, order of presentation of its sections:
-

Recommended reading:
1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru
2. Electronic Otorhinolaryngology: textbook Edited by A. A. Gorokhov, Yu. K. Yanov, V. V. Dvoryanchikov, V. G. Mironov. - 2nd ed. supplement. and that's it.. - SPB [Electronic resource]: textbook SPb.: SpetsLit, 2019. - 224 p. URL: https://www.books-up.ru http://www.studentlibrary.ru
3. Electronic Otorhinolaryngology: national guidelines ed. Palchun V. T. M.: GEOTAR-Media, 2020. - 1024 p. - Text: electronic / / EBS "Student's Consultant": [website]. - URL: http://www.studentlibrary.ru

Topic No.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

Duration of the lecture (in academic hours):	2

Purpose of the lecture:
1. tell students about the morphophysiological structure of the nose and paranasal sinuses;
2. examine defects and deformities of the external nose, nose furuncle, epistaxis (nosebleed);
3. examine diagnostic methods, classification, clinical manifestation and treatment of hematoma and abscess of the nasal septum, acute and chronic rhinitis.

Lecture plan, order of presentation of its sections:
- 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

Recommended reading:
1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru

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3. Electronic Otorhinolaryngology: national guidelines ed. Palchun V. T. M.: GEOTAR-Media, 2020. - 1024 p. - Text: electronic / / EBS "Student's Consultant": [website]. - URL: http://www.studentlibrary.ru

Topic No.7 Acute and chronic diseases of the nose and paranasal sinuses. Rhinogenic orbital and intracranial complications

Duration of the lecture (in academic hours):	2

Purpose of the lecture:
1. tell students about acute and chronic diseases of the nose and paranasal sinuses;
2. define key terms: types of rhinosinusitis, their etiopathogenesis, diagnosis, clinical manifestation, treatment;
3. examine rhinogenic orbital and intracranial complications.

Lecture plan, order of presentation of its sections:
- Acute and chronic diseases of the nose and paranasal sinuses
- Rhinogenic orbital and intracranial complications

Recommended reading:
1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru
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Topic No.8 Morphophysiological characteristics of the pharyngeal lymphoid ring. Acute tonsillitis, classification, differential diagnosis, modern treatment methods

Duration of the lecture (in academic hours):	2

Purpose of the lecture:
1. tell students about morphophysiological characteristics of the pharyngeal lymphoid ring;
2. analyze modern classifications of acute tonsillitis;
3. examine diagnostic methods, clinical manifestation, treatment, possible complications of acute tonsillitis.

Lecture plan, order of presentation of its sections:
- Morphophysiological characteristics of the pharyngeal lymphoid ring
- Acute tonsillitis, classification, differential diagnosis, modern treatment methods

Recommended reading:
1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru
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V. Dvoryanchikov, V. G. Mironov. - 2nd ed. supplement. and that's it.. - SPB [Electronic resource]: textbook SPb.: SpetsLit, 2019. - 224 p. URL: https://www.books-up.ru http://www.studentlibrary.ru
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Topic No.9 Chronic tonsillitis, classification, its significance in the medical practice. Palatine tonsils hypertrophy, adenoiditis

Duration of the lecture (in academic hours):	2

Purpose of the lecture:
1. tell students about chronic tonsillitis, its specific features in children;
2. define the significance of chronic tonsillitis in the clinical manifestation of internal diseases;
3. examine diagnostic methods, classifications, clinical manifestation, modern methods of treatment of chronic tonsillitis, hypertrophy of the palatine tonsils, adenoiditis in pediatric practice.

Lecture plan, order of presentation of its sections:
- Chronic tonsillitis: causes, clinical manifestation, diagnosis and treatment. Significance of chronic tonsillitis in children and in the clinical manifestation of internal diseases
- Palatine tonsils hypertrophy, adenoiditis children of different ages, clinical manifestation, diagnosis, modern treatment methods

Recommended reading:
1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru
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Topic No.10 Morphophysiological characteristics of the larynx. Acute and chronic laryngitis, acute subglottic (obstructive) laryngitis. Intubation, tracheostomy, conicotomy

Duration of the lecture (in academic hours):	2

Purpose of the lecture:
1. tell students about morphophysiological characteristics of the larynx;
2. examine acute and chronic laryngitis, acute subglottic (obstructive) laryngitis;
3. examine methods of intubation, tracheostomy, conicotomy.

Lecture plan, order of presentation of its sections:
- Morphophysiological characteristics of the larynx. Acute and chronic laryngitis
- Acute subglottic (obstructive) laryngitis, conservative and surgical treatment

Recommended reading:
1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow:

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3. SUBJECT GUIDES FOR PRACTICAL CLASSES

Table 2. Subject Guides for Practical **Б1.О.25 Otorhinolaryngology** Classes

Topic No.1 Clinical anatomy, physiology, methods of examination of the nose and paranasal sinuses	
Duration of the practical class (in academic hours):	4
Purpose of the practical class: 1. consolidate acquired knowledge on the anatomy, examination methods and functions of the nose and paranasal sinuses; 2. during the discussion, outline the basic concepts on the structure of the nose and paranasal in relation to the clinical manifestation of diseases, examination methods and functions; 3. thoroughly go over definitions and concepts of the nose and paranasal sinuses, methods of their examination and functions; 4. study patterns between the clinical manifestation and affected anatomical structures; 5. develop an understanding of what anatomical structures provide the functions of the nose and paranasal sinuses, ENT examination skills.	
Practical classes requirements: classrooms equipped with otorhinolaryngological devices, models of the nose and paranasal sinuses, posters, and subject guides for the discipline.	
Independent work of the student: research activity, preparing reports on the lectures, and working with study materials.	
Methods of evaluation of acquired knowledge and skills: discussing reports, classroom questioning, tests, practical skills training (ENT examination methods).	
Recommended reading: 1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru 2. URL: Electronic Otorhinolaryngology: textbook Edited by A. A. Gorokhov, Yu. K. Yanov, V. V. Dvoryanchikov, V. G. Mironov. - 2nd ed. supplement. and that's it.. - SPB [Electronic resource]: textbook SPb.: SpetsLit, 2019. - 224 p. URL: https://www.books-up.ru http://www.studentlibrary.ru 3. Electronic Otorhinolaryngology: national guidelines ed. Palchun V. T. M.: GEOTAR-Media, 2020. - 1024 p. - Text: electronic / / EBS "Student's Consultant": [website]. - URL: http://www.studentlibrary.ru 4. V. V. Vishnyakov Otorhinolaryngology :Electronic textbook edited by V. V. Vishnyakov. - 2nd ed., reprint. - Electronic resource] - Moscow: GEOTAR-Media, 2022. - 392 p. URL: Access mode http://www.studentlibrary.ru://www.studentlibrary.ru 5. Alexander Bogomilsky, M. R. Detskaya otorhinolaryngologiya: ucheb. for universities edited by M. R. Bogomilsky, V. R. Chistyakova. - 3rd ed.- Electronic resource] Moscow: GEOTAR-Media, 2014. - 624 p. URL: http://www.studentlibrary.ru	

6. Electronic textbook Otorhinolaryngology: ed. by S. A. Karpishchenko-M [Electronic resource]: GEOTAR-Media, 2018. URL: http://www.studentlibrary.ru

Topic No.2 Clinical anatomy, physiology, methods of examination of the pharynx, larynx, trachea, bronchi, esophagus

Duration of the practical class (in academic hours):	4

Purpose of the practical class:
1. consolidate acquired knowledge of clinical anatomy, physiology, methods of examination of the pharynx, larynx, trachea, bronchi, esophagus;
2. during the discussion, outline the main characteristics and age-related features of clinical anatomy and physiology of the larynx, pharynx, trachea, bronchi, esophagus;
3. thoroughly go over definitions and concepts of clinical anatomy and physiology of pharynx, larynx, trachea, bronchi, esophagus;
4. study methods of examination of the pharynx, larynx, trachea, bronchi, esophagus;
5. develop ENT examination skills.

Practical classes requirements: classrooms equipped with otorhinolaryngological devices, models of the nose and paranasal sinuses, posters, and subject guides for the discipline.

Independent work of the student: research activity, preparing reports on the lectures, and working with study materials.

Methods of evaluation of acquired knowledge and skills: discussing reports, classroom questioning, tests, practical skills training (ENT examination methods).

Recommended reading:

1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru
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6. Electronic textbook Otorhinolaryngology: ed. by S. A. Karpishchenko-M [Electronic resource]: GEOTAR-Media, 2018. URL: http://www.studentlibrary.ru

Topic No.3 Clinical anatomy, physiology, methods of examination of the auditory system

Duration of the practical class (in academic hours):	4

Purpose of the practical class:
1. consolidate acquired knowledge of clinical anatomy, physiology, methods of examination of the auditory system;
2. during the discussion, outline clinical anatomy and physiology of the auditory system;

3. thoroughly go over definitions and concepts of clinical anatomy and physiology of the auditory system;
4. study patterns of physiology of the auditory system;
5. develop ENT examination skills.

Practical classes requirements: classrooms equipped with otorhinolaryngological devices, models of the nose and paranasal sinuses, posters, and subject guides for the discipline.

Independent work of the student: research activity, preparing reports on the lectures, and working with study materials.

Methods of evaluation of acquired knowledge and skills: discussing reports, classroom questioning, tests, practical skills training (ENT examination methods).

Recommended reading:

1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru
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4. V. V. Vishnyakov Otorhinolaryngology :Electronic textbook edited by V. V. Vishnyakov. - 2nd ed., reprint. - Electronic resource] - Moscow: GEOTAR-Media, 2022. - 392 p. URL: Access mode http://www.studentlibrary.ru://www.studentlibrary.ru
5. Alexander Bogomilsky, M. R. Detskaya otorhinolaryngologiya: ucheb. for universities edited by M. R. Bogomilsky, V. R. Chistyakova. - 3rd ed.- Electronic resource] Moscow: GEOTAR-Media, 2014. - 624 p. URL: http://www.studentlibrary.ru
6. Electronic textbook Otorhinolaryngology: ed. by S. A. Karpishchenko-M [Electronic resource]: GEOTAR-Media, 2018. URL: http://www.studentlibrary.ru

Topic No.4 Clinical anatomy, physiology, methods of examination of the vestibular system

Duration of the practical class (in academic hours):	4

Purpose of the practical class:
1. consolidate acquired knowledge of clinical anatomy, physiology, methods of examination of the vestibular system;
2. during the discussion, outline anatomy and physiology of the vestibular system;
3. thoroughly go over definitions and concepts of anatomy and physiology of the vestibular system;
4. study patterns of ENT examination methods;
5. develop a concept of the physiology of the vestibular analyzer.

Practical classes requirements: classrooms equipped with otorhinolaryngological devices, models of the nose and paranasal sinuses, posters, and subject guides for the discipline.

Independent work of the student: research activity, preparing reports on the lectures, and working with study materials.

Methods of evaluation of acquired knowledge and skills: discussing reports, classroom questioning, tests, practical skills training (ENT examination methods).

Recommended reading:

1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru
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6. Electronic textbook Otorhinolaryngology: ed. by S. A. Karpishchenko-M [Electronic resource]: GEOTAR-Media, 2018. URL: http://www.studentlibrary.ru

Topic No.5 Acute and chronic pathology of the outer, middle, inner ear. Supervised patient management

Duration of the practical class (in academic hours):	4

Purpose of the practical class:
1. consolidate acquired knowledge of the etiopathogenesis, classification, clinic, treatment methods of acute and chronic pathology of the outer, middle and inner ear;
2. during the discussion, outline the main issues of the clinical features of various forms of external otitis and otitis media;
3. thoroughly go over definitions and concepts of diagnostic measures;
4. study patterns of etiopathogenesis and treatment methods of acute and chronic pathology of the outer, middle and inner ear;
5. develop a treatment algorithm for various forms of diseases;
6. supervised patient management.

Practical classes requirements: classrooms equipped with otorhinolaryngological devices, models of the nose and paranasal sinuses, posters, and subject guides for the discipline.

Independent work of the student: research activity, preparing reports on the lectures, and working with study materials.

Methods of evaluation of acquired knowledge and skills: discussing reports, classroom questioning, tests, practical skills training (ENT examination methods).

Recommended reading:

1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru
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Topic No.6 Ear diseases of non-inflammatory etiology

Duration of the practical class (in academic hours):	4

Purpose of the practical class:
1. consolidate acquired knowledge of ear diseases of non-inflammatory etiology;
2. during the discussion, outline the main terms, classifications, and features of the clinical manifestation;
3. thoroughly go over definitions and concepts of diagnostic examination methods for various ear diseases of non-inflammatory etiology;
4. study patterns of ear diseases of non-inflammatory etiology;
5. develop an understanding of the treatment principles of ear diseases of non-inflammatory etiology.

Practical classes requirements: classrooms equipped with otorhinolaryngological devices, models of the nose and paranasal sinuses, posters, and subject guides for the discipline.

Independent work of the student: research activity, preparing reports on the lectures, and working with study materials.

Methods of evaluation of acquired knowledge and skills: discussing reports, classroom questioning, tests, practical skills training (ENT examination methods).

Recommended reading:

1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru

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Topic No.7 Otogenic intracranial complications

Duration of the practical class (in academic hours):	4

Purpose of the practical class:
1. consolidate acquired knowledge of otogenic intracranial complications;
2. during the discussion, outline the main terms, classifications, and features of the clinical manifestation;
3. thoroughly go over definitions and concepts of diagnostic examination methods for various otogenic intracranial complications;
4. study patterns of otogenic intracranial complications;
5. develop an understanding of the treatment principles of otogenic intracranial complications.

Practical classes requirements: classrooms equipped with otorhinolaryngological devices, models of the nose and paranasal sinuses, posters, and subject guides for the discipline.

Independent work of the student: research activity, preparing reports on the lectures, and working with study materials.

Methods of evaluation of acquired knowledge and skills: discussing reports, classroom questioning, tests, practical skills training (ENT examination methods).

Recommended reading:

1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru

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Topic No.8 Acute and chronic pathology of the nose

Duration of the practical class (in academic hours):	4

Purpose of the practical class:
1. consolidate acquired knowledge of acute and chronic pathology of the nose;
2. during the discussion, outline the main issues related to the clinical manifestations of these diseases;
3. thoroughly go over definitions and concepts of changes that occur during acute and chronic pathology of the nose;
4. study patterns of diagnostic methods, modern classifications, clinical manifestation, and treatment of these diseases;
5. develop algorithms for patient examination and determining the need for treatment in this pathology.

Practical classes requirements: classrooms equipped with otorhinolaryngological devices, models of the nose and paranasal sinuses, posters, and subject guides for the discipline.

Independent work of the student: research activity, preparing reports on the lectures, and working with study materials.

Methods of evaluation of acquired knowledge and skills: discussing reports, classroom questioning, tests, practical skills training (ENT examination methods).

Recommended reading:

1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru
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Topic No.9 Acute and chronic pathology of the paranasal sinuses

Duration of the practical class (in academic hours):	4

Purpose of the practical class:

1. consolidate acquired knowledge of acute and chronic pathology of the paranasal sinuses;
2. during the discussion, outline the main issues related to the clinical manifestation of these diseases;
3. thoroughly go over definitions and concepts of changes that occur during acute and chronic pathology of paranasal sinuses;
4. study patterns of diagnostic methods, modern classifications, clinical manifestation, and treatment of these diseases;
5. develop algorithms for patient examination and determining the need for treatment in this pathology.

Practical classes requirements: classrooms equipped with otorhinolaryngological devices, models of the nose and paranasal sinuses, posters, and subject guides for the discipline.

Independent work of the student: research activity, preparing reports on the lectures, and working with study materials.

Methods of evaluation of acquired knowledge and skills: discussing reports, classroom questioning, tests, practical skills training (ENT examination methods).

Recommended reading:

1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook

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Topic No.10 Rhinogenic orbital and intracranial complications

Duration of the practical class (in academic hours):	4

Purpose of the practical class:
1. consolidate acquired knowledge of in rhinogenic orbital and intracranial complications;
2. during the discussion, outline the main issues related to the clinical manifestation of these diseases;
3. thoroughly go over definitions and concepts of changes that occur during rhinogenic orbital and intracranial complications;
4. study patterns of diagnostic methods, modern classifications, clinical manifestation, and treatment of these diseases;
5. develop algorithms for patient examination and determining the need for treatment in this pathology.

Practical classes requirements: classrooms equipped with otorhinolaryngological devices, models of the nose and paranasal sinuses, posters, and subject guides for the discipline.

Independent work of the student: research activity, preparing reports on the lectures, and working with study materials.

Methods of evaluation of acquired knowledge and skills: discussing reports, classroom questioning, tests, practical skills training (ENT examination methods).

Recommended reading:

1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru

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Topic No.11 Acute and chronic pharyngeal pathology

Duration of the practical class (in academic hours):	4

Purpose of the practical class:
1. consolidate acquired knowledge of acute and chronic pharyngeal pathology;
2. during the discussion, outline the main clinical symptoms;
3. thoroughly go over definitions and concepts related to diagnostic examination in acute and chronic pharyngeal pathology;
4. study patterns of diagnostic methods, modern classifications, clinical manifestation and treatment of acute and chronic pharyngeal pathology;
5. develop examination algorithms for patients with acute and chronic pharyngeal pathology.

Practical classes requirements: classrooms equipped with otorhinolaryngological devices, models of the nose and paranasal sinuses, posters, and subject guides for the discipline.

Independent work of the student: research activity, preparing reports on the lectures, and working with study materials.

Methods of evaluation of acquired knowledge and skills: discussing reports, classroom questioning, tests, practical skills training (ENT examination methods).

Recommended reading:

1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru

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Topic No.12 Acute and chronic laryngeal pathology

Duration of the practical class (in academic hours):	4

Purpose of the practical class:
1. consolidate acquired knowledge of acute and chronic laryngeal pathology;
2. during the discussion, outline the main clinical symptoms;
3. thoroughly go over definitions and concepts related to diagnostic examination in acute and chronic laryngeal pathology;
4. study patterns of diagnostic methods, modern classifications, clinical manifestation, and treatment of acute and chronic laryngeal pathology;
5. develop.

Practical classes requirements: classrooms equipped with otorhinolaryngological devices, models of the nose and paranasal sinuses, posters, and subject guides for the discipline.

Independent work of the student: research activity, preparing reports on the lectures, and working with study materials.

Methods of evaluation of acquired knowledge and skills: discussing reports, classroom questioning, tests, practical skills training (ENT examination methods).

Recommended reading:

1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru

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Topic No.13 Foreign bodies, chemical and thermal injury of the pharynx, larynx, esophagus, physical injury to ENT organs. Bleeding from ENT organs, emergency medical aid

Duration of the practical class (in academic hours):	4

Purpose of the practical class:
1. consolidate acquired knowledge of foreign bodies, chemical and thermal injury of the pharynx, larynx, esophagus, physical injury to ENT organs, and bleeding from ENT organs;
2. during the discussion, outline the main methods of diagnosis and treatment of this pathology;
3. thoroughly go over definitions and concepts of temporary and persistent disability;
4. study patterns of in the organization of otorhinolaryngological care for adults and children;
5. develop a clear understanding of the criteria for providing emergency care for this pathology.

Practical classes requirements: classrooms equipped with otorhinolaryngological devices, models of the nose and paranasal sinuses, posters, and subject guides for the discipline.

Independent work of the student: research activity, preparing reports on the lectures, and working with study materials.

Methods of evaluation of acquired knowledge and skills: discussing reports, classroom questioning, tests, practical skills training (ENT examination methods).
Recommended reading: 1. Palchun V. T., Kryukov A. I., Magomedov M. M. Otorhinolaryngology : textbook Electronic resource, ed. by V. T. Palchun, M. M. Magomedov. - 4th ed., reprint. Moscow: GEOTAR-Media Publ., 2020, 592 p. URL: http://studentlibrary.ru 2. URL: Electronic Otorhinolaryngology: textbook Edited by A. A. Gorokhov, Yu. K. Yanov, V. V. Dvoryanchikov, V. G. Mironov. - 2nd ed. supplement. and that's it.. - SPB [Electronic resource]: textbook SPb.: SpetsLit, 2019. - 224 p. URL: https://www.books-up.ru http://www.studentlibrary.ru 3. Electronic Otorhinolaryngology: national guidelines ed. Palchun V. T. M.: GEOTAR-Media, 2020. - 1024 p. - Text: electronic / / EBS "Student's Consultant": [website]. - URL: http://www.studentlibrary.ru 4. V. V. Vishnyakov Otorhinolaryngology :Electronic textbook edited by V. V. Vishnyakov. - 2nd ed., reprint. - Electronic resource] - Moscow: GEOTAR-Media, 2022. - 392 p. URL: Access mode http://www.studentlibrary.ru://www.studentlibrary.ru 5. Alexander Bogomilsky, M. R. Detskaya otorhinolaryngologiya: ucheb. for universities edited by M. R. Bogomilsky, V. R. Chistyakova. - 3rd ed.- Electronic resource] Moscow: GEOTAR-Media, 2014. - 624 p. URL: http://www.studentlibrary.ru 6. Electronic textbook Otorhinolaryngology: ed. by S. A. Karpishchenko-M [Electronic resource]: GEOTAR-Media, 2018. URL: http://www.studentlibrary.ru

4. GUIDELINES FOR CONTINOUS AND INTERIM ASSESSMENT

Table 3. Guidelines for Conducting Continuous and Interim Assessment during **Б1.В.11 Emergency medical care** Course

Type of assessment	Assessment format
Continuous assessment	- conducting and evaluating oral or written quizzes during lectures and practical classes; - assessment and evaluation of completion and results of assignments given during practical classes; - assess and evaluate completion and results of individual assignments and exam tasks given during practical classes.
Interim certification	is conducted in written format; it allows to assess the development of students' competencies correlating with types of professional activity.

5 ASPECTS OF THE IMPLEMENTATION OF THE COURSE FOR STUDENTS WITH DISABILITIES AND SPECIAL NEEDS

5.1. 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.

5.2. 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.

5.3. Availability of the internal policies and procedures of FSBEI HE PSMU of the Ministry of Health of Russia to students with disabilities in a form 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 form accessible to them.

5.4. Increase in the duration of interim assessment of 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 for students with disabilities and special needs is selected taking into account individual characteristics (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

6. 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.