

Документ подписан проф. Ястребов Олег Александрович
Информация о владельце:
ФИО: Ястребов Олег Александрович
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**Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
NAMED AFTER PATRICE LUMUMBA
RUDN University**

Medical Institute

educational division (faculty/institute/academy) as higher education programme developer

COURSE SYLLABUS

OTORHINOLARYNGOLOGY

course title

Recommended by the Didactic Council for the Education Field of:

31.05.01 General Medicine

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

General Medicine

higher education programme profile/specialisation title

2025

1. THE GOALS OF MASTERING THE DISCIPLINE

The aim of the course «**Otorhinolaryngology**» is to help students study and learn methods of examining ENT organs, to teach diagnosis, treatment, prevention and rehabilitation of ear, nose and throat diseases.

2. REQUIREMENTS to LEARNING OUTCOMES

The mastering of the discipline «**Otorhinolaryngology**» is aimed at the formation of the following competencies of students: **GPC-5, GPC-7, PC-2, PC-3.**

Table 2.1. The list of competencies formed by students during the development of the discipline (results of the mastering of the discipline)

Competence code	Competence	Indicators of Competence Formation (Within the framework of this discipline)
GPC-5	Being able to assess morpho-functional, physiological conditions and pathological processes in the human body to solve professional tasks	GPC-5.3. Being able to determine morpho-functional, physiological states and pathological processes of the human body.
GPC-7	Being able to prescribe treatment and monitor its efficacy and safety	GPC-7.1. Mastering skills in the methods of general clinical examination, interpretation of laboratory results, instrumental diagnostic methods.
PC-2	Being able to examine a patient in order to determine a diagnosis	PC-2.1. Mastering the skills to collect complaints, anamnesis of the patient's life and disease, as well as conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation). PC-2.2. Being able to make a preliminary diagnosis and make up a plan of laboratory and instrumental examinations of a patient. PC-2.3. Being able to refer a patient to a laboratory examination in case there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the medical care standards. PC-2.4. Being able to refer a patient to an instrumental examination in case there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care. PC-2.5. Being able to refer a patient to consult with a medical specialist if there is a medical indication in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.

Competence code	Competence	Indicators of Competence Formation (Within the framework of this discipline)
		<p>PC-2.6. Being able to refer a patient to be provided with specialized medical care in an inpatient setting or in a day hospital in case there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-2.7. Being able to carry out differential diagnosis with other diseases/conditions, including the urgent ones, as well as to make a diagnosis taking into account the current international statistical classification of diseases and problems related to health (ICD).</p>
PC-3	Being able to prescribe treatment and monitor its efficacy and safety	<p>PC-3.1. Being able to develop a treatment plan for a disease or condition taking into account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-3.2. Being able to prescribe medicinal drugs, medical devices and medical nutrition taking into account the diagnosis, age and clinical picture of the disease and in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-3.3. Being able to prescribe non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p>

3. THE COURSE IN THE HIGHER EDUCATION PROGRAMME STRUCTURE

The course «**Otorhinolaryngology**» refers to the Compulsory Disciplines of block B1 of the EP HE.

Within the framework of the Educational Program, students also master other disciplines and/or practices that contribute to expected learning outcomes of the course «**Otorhinolaryngology**».

Table 3.1. List of Higher Education Program disciplines that contribute to expected learning outcomes

Competence Code	The competence	Previous Disciplines	Subsequent disciplines
GPC-5	Being able to assess morpho-functional, physiological conditions and pathological processes in the human body to solve professional tasks	Psychology and Pedagogy, Psychiatry, Medical Psychology	Faculty Therapy, Faculty Surgery, Oncology, Radiation Therapy, Traumatology and Orthopedics, Pediatrics, Oral and Maxillofacial Surgery, Dentistry
GPC-7	Being able to prescribe treatment and monitor its efficacy and safety	Pathological anatomy, Clinical pathological anatomy, Pathological physiology, Microbiology, Virology, Immunology Pharmacology	Faculty Therapy, Faculty Surgery, Oncology, Radiation Therapy, Traumatology and Orthopedics, Pediatrics, Oral and Maxillofacial Surgery, Dentistry
PC-2	Being able to examine a patient in order to determine a diagnosis	Immunology Propedeutics of internal diseases, Radiation diagnostics, General surgery	Faculty Therapy, Faculty Surgery, Oncology, Radiation Therapy, Traumatology and Orthopedics, Pediatrics, Oral and Maxillofacial Surgery, Dentistry
PC-3	Being able to prescribe treatment and monitor its efficacy and safety	Pathological anatomy, Clinical pathological anatomy, Pathological physiology, Microbiology, Virology, Immunology Pharmacology	Faculty Therapy, Faculty Surgery, Oncology, Radiation Therapy, Traumatology and Orthopedics, Pediatrics, Oral and Maxillofacial Surgery, Dentistry

4. THE DISCIPLINE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the discipline "Otorhinolaryngology" is equal to 4 credits.

Table 4.1. Types of academic activities during the period of the HE program mastering

Types of academic activities	TOTAL, academic hours (ac.h)	semesters	
		8	
Classroom learning , ac.h.	90	90	
Lectures (Lec)			
Lab work (Lab)	90	90	
Practical/seminar classes			
Self-studies, academic hours	48	48	
Evaluation and assessment (exam or pass/fail grading)	6	6	
Total workload of the discipline	ac.h.	144	144
	credits	4	4

5. THE COURSE MODULES AND CONTENTS

Table 5.1. The content of the discipline and types of academic activities

Modules and Topics	Content of the topics	Type of academic activities
Research methods of ENT – organs.	Research methods of ENT – organs: anterior rhinoscopy, posterior rhinoscopy, pharyngoscope, otoscopy.	Lab, Ss
Pathology of the nose and paranasal sinuses.	Acute and chronic diseases of the nasal cavity. Injuries of the nose and paranasal sinuses. Nosebleeds. Foreign body of the nasal cavity and paranasal sinuses. Inflammatory diseases of the paranasal sinuses.	Lab, Ss
Pathology of the pharynx.	Angina, complications of angina. Chronic tonsillitis. Foreign body of the pharynx. Adenoids.	Lab, Ss
Pathology of the ear.	Diseases of the external ear. Acute middle ear infections. Mastoiditis. Chronic diseases of the middle ear. Diseases of the inner ear.	Lab, Ss
Pathology of the larynx.	Acute and chronic diseases of the larynx. Tracheotomy.	Lab, Ss
Tumors of the ear and upper respiratory tract.	Tumors of the ear and upper respiratory tract.	Lab, Ss
Specific diseases of upper respiratory tract.	Specific diseases of upper respiratory tract.	Lab, Ss

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENT

Table 6.1. Logistical and material provision of the discipline.

Classroom for Academic Activity Type	Classroom Equipment	Specialized educational/laboratory equipment, software and materials for the mastering of the discipline
Lecture class (34)	Classroom for lecture-type classes, equipped with a set of specialized furniture; board (screen) and technical means of multimedia presentations.	Room for conducting lecture and seminar classes, group and individual consultations, current control and intermediate certification. A set of specialized furniture; hardware: Notebook HP ProBook 650 G5 (1J5S4EA), Multimedia DLP projector VivitekDS262 •
Laboratory (34)	Classroom for laboratory work, individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and equipment.	Optical diagnostic device for otorhinolaryngology: version praktikant Punch laryngeal Kardesa with 9 nozzles maico MA-5202* channel clinical audiometer

Classroom for Academic Activity Type	Classroom Equipment	Specialized educational/laboratory equipment, software and materials for the mastering of the discipline
		<p>Simulator for mastering skills in endonasal endoscopic surgery "RINOSIM-2K"</p> <p>Impedancemeter (tympanometer) medical GSI for determining the mobility of the middle ear system, with accessories. Version: GSI 39 "Diagnostik Troop LLS dba Grayson Stadler" USA</p> <p>Device for recording auditory evoked potentials and otoacoustic emissions, version ERO SCAN, with accessories. "MAIKO Diagnostic GmbH" Germany</p> <p>Equipment endoscopic Karl Storz for visualization and image processing, with accessories. Headlight illuminator.</p>
Seminar class (34)	Classroom for conducting seminar-type classes, group and individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and technical means for multimedia presentations.	<p>Room for conducting lecture and seminar classes, group and individual consultations, current control and intermediate certification.</p> <p>A set of specialized furniture; hardware: Notebook HP ProBook 650 G5 (1J5S4EA), Multimedia DLP-projector VivitekDS262 • list of specialized equipment, visual posters, etc.</p>
Classroom for students self-studies (lecture class).	Classroom for students self-studies (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to the EIOS.	

7. RECOMMENDED SOURSES for COURSE STUDIES

Main reading:

1. V.T. Palchun, M.M. Magomedov, L.A. Luchikhin. Otorhinolaryngology, educational literature for med.vuzov, 4 th ed. - M., "Geotar-Media", 2022 – 592 p.
2. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Methods for the study of ENT organs. Teaching aid. - M.: RUDN University, 2018. - 71 p.

3. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Foreign bodies of ENT organs. Teaching aid. - M.: RUDN University, 2019. - 34 p.
4. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Chronic tonsillitis. Teaching aid. - M.: RUDN, 2021. - 33 p.
5. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Nosebleeds. Teaching aid. - M.: RUDN, 2022. - 24 p.

Additional reading:

1. Bogomilsky M.R., Chistyakova V.R. Diseases of the ear, throat, nose in childhood. National leadership. Short edition. M. Medicine, 2015.
2. Palchun V.T. Otorhinolaryngology. National leadership "Geotar-Media", 2022. – 1024 p.
3. Atlas of Otorhinolaryngology. Thomassin J.M. 2002.
4. Popadyuk V.I., Kirichenko I.M. Anatomy, physiology and research methods of the vestibular analyzer. Teaching aid. – M.: Russian Peoples' Friendship University, 2016. - 74 p.
5. Popadyuk V.I., Kirichenko I.M. adenoids in children. Teaching aid. - M.: Russian University of Peoples' Friendship, 2016. - 56 p.
6. Popadyuk V.I., Korshunova I.A., Chernolev A.I. Nose injury. Teaching aid. - M.: Peoples' Friendship University of Russia, 2017. – 29p.
7. Popadyuk V.I., Korshunova I.A., Chernolev A.I. Throat diseases. Angina. Teaching aid. - M.: Peoples' Friendship University of Russia, 2017. - 59 p.
8. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Tracheotomy. Teaching aid. - M.: RUDN, 2017. - 51 p.
9. Popadyuk V.I., Chernolev A.I., Bitsaeva A.V., Novozhilova E.N. Acute and chronic sinusitis (clinic, diagnosis, treatment). Teaching aid. - M.: RUDN University, 2020. - 68 p.

Internet (based) sources

- 1. Electronic libraries with access for RUDN students:
 - Electronic library network of RUDN – ELN RUDN <http://lib.rudn.ru/MegaPro/Web>
 - ELN «University Library online» <http://www.biblioclub.ru>
 - ELN Urait <http://www.biblio-online.ru>
 - ELN «Student Advisor» www.studentlibrary.ru
 - ELN «Lan» <http://e.lanbook.com/>
- 2. Databases and search engines:
 - electronic fund of legal and regulatory and technical documentation <http://docs.cntd.ru/>
 - search system Yandex <https://www.yandex.ru/>
 - search system Google <https://www.google.ru/>
 - abstract database SCOPUS <http://www.elsevierscience.ru/products/scopus/>

Learning toolkits for self-studies during the development of the discipline

1. Lectures Synopsis on the discipline "Histology, embryology, cytology".
2. Methodological guidelines for the implementation and execution of control and independent work on the discipline "Histology, embryology, cytology"
 - * - All teaching materials for self-studying of students are placed in accordance with the current procedure on the discipline page in the RUDN LMS TUIS.

8. EVALUATION TOOLKIT AND GRADE SYSTEM FOR ASSESSMENT

Evaluation Toolkit (ET) and a point-rating system (PRS)* for assessment the level of competence formation (part of competencies) based on the results of mastering the discipline

"Histology, embryology, cytology" are presented in the Appendix to this Work Program of the discipline.

* - ET and PRS are formed on the basis of the requirements of the relevant local regulatory act of the RUDN

DEVELOPERS:

Associate Professor of the
Department of
otorhinolaryngology

I.A. Korshunova

HEAD of the Department:

of otorhinolaryngology

V.I. Popadyuk

HEAD of the Higher Education Program:

Head of the Department of
General Medical Practice

N.V. Sturov
