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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:

31.05.03 DENTISTRY

field of studies / speciality code and title

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

Dentistry

higher education programme profile/specialisation title

2024

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: **UC-1, GPC-1, PC-1.**

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)
UC-1	Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy.	UC-1.1. Analysing the problem situation as a system identifying its components and links between them.
GPC-1	Being able to implement moral standards and legal regulations, ethical and deontological principals in professional activity.	GPC-1.1. Observing bases of medical ethics and deontology; legal bases in healthcare; legal aspects of medical practice. GPC-1.2. Applying ethical standards and principles of a medical worker's behaviour when performing their professional duties; being aware of the latest health legislation when solving professional problems; applying the rules and norms of the doctor's interaction with colleagues and patients (their legal representatives).
PC-1	Being able to make an examination of a patient in order to determine a diagnosis.	PC-1.1. Making an initial examination and/or reexamination of a patient in order to make a preliminary diagnosis. PC-1.2. Receiving information from patients (their relatives/legal representatives); conducting a questionnaire survey of patients regarding their general health status; identifying concomitant diseases in order to make a preliminary diagnosis.

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
UC-1	Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy.	Anatomy, Pathological Anatomy, Normal Physiology, Pathophysiology, Pharmacology	Faculty Therapy, Faculty Surgery, Oncology, Radiation Therapy, Traumatology and Orthopedics, Pediatrics, Oral and Maxillofacial Surgery, Dentistry
GPC-1	Being able to implement moral standards and legal regulations, ethical and deontological principals in professional activity.	Psychology and Pedagogy, Psychiatry, Medical Psychology	Faculty Therapy, Faculty Surgery, Oncology, Radiation Therapy, Traumatology and Orthopedics, Pediatrics, Oral and Maxillofacial Surgery, Dentistry
PC-1	Being able to make an examination of a patient in order to determine a diagnosis.	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 2 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	
		7	
Classroom learning , ac.h.	48	48	
Lectures (Lec)			
Lab work (Lab)	48	48	
Practical/seminar classes			
Self-studies, academic hours	21	21	
Evaluation and assessment (exam or pass/fail grading)	3	3	
Total workload of the discipline	ac.h.	72	72
	credits	2	2

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.	Injuries of the nose and paranasal sinuses. Nosebleeds. Foreign body of the nasal cavity and paranasal sinuses. Acute and chronic rhinitis. Inflammatory diseases of the paranasal sinuses.	Lab, Ss
Pathology of the pharynx.	Angina, complications of angina. Adenoids. Foreign body of the pharynx.	Lab, Ss
Pathology of the ear.	Diseases of the external ear. Acute middle ear infections. Mastoiditis. Chronic diseases of the middle ear.	Lab, Ss
Pathology of the larynx.	Acute diseases of the larynx. Stenosis of the larynx. Tracheotomy.	Lab, Ss
Tumors of the ear and upper respiratory tract.	Tumors of the ear and 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 Simulator for mastering skills in endonasal endoscopic surgery "RINOSIM-2K" Impedancemeter

Classroom for Academic Activity Type	Classroom Equipment	Specialized educational/laboratory equipment, software and materials for the mastering of the discipline
		(tympanometer) medical GSI for determining the mobility of the middle ear system, with accessories. Version: GSI 39 "Diagnostik Troop LLS dba Grayson Stadler" USA Device for recording auditory evoked potentials and otoacoustic emissions, version ERO SCAN, with accessories. "MAIKO Diagnostic GmbH" Germany Equipment endoscopic Karl Storz for visualization and image processing, with accessories. Headlight illuminator.
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.	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 • list of specialized equipment, visual posters, etc.
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. Palchun V.T. Otorhinolaryngology. National leadership "Geotar-Media", 2022. – 1024 p.
2. Atlas of Otorhinolaryngology. Thomassin J.M. 2002.
3. 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.
4. Popadyuk V.I., Kirichenko I.M. adenoids in children. Teaching aid. - M.: Russian University of Peoples' Friendship, 2016. - 56 p.
5. Popadyuk V.I., Korshunova I.A., Chernolev A.I. Nose injury. Teaching aid. - M.: Peoples' Friendship University of Russia, 2017. – 29p.
6. Popadyuk V.I., Korshunova I.A., Chernolev A.I. Throat diseases. Angina. Teaching aid. - M.: Peoples' Friendship University of Russia, 2017. - 59 p.
7. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Tracheotomy. Teaching aid. - M.: RUDN, 2017. - 51 p.
8. 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

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