

SYLLABUS

concerning the cycle of education 2020-2026

(date range)

**1.1. BASIC INFORMATION CONCERNING THIS SUBJECT / MODULE**

Subject / Module	Otolaryngology
Course code / module *	Ot/F
Faculty of (name of the leading direction)	Medical College of Rzeszów University
Department Name	Medical College of Rzeszów University
Field of study	medical direction
Level of education	uniform master's studies
Profile	practical
Form of study	stationary / extramural
Year and semester	year III, semester V
Type of course	Subject of teaching of directional content
Coordinator	Prof. Maciej Modrzejewski
First and Last Name of the Teacher	Dr n. med. Sławomir Łukasik Dr n. med. Wojciech Domka Dr n. med. Krzysztof Szuber Dr n. med. Andrzej Pogorzelski

\* - According to the resolutions of the Faculty of Medicine

**1.2. Forms of classes, number of hours and ECTS**

Lecture	Exercise	Conversation	Laboratory	Seminar	ZP	Practical	Self-learning	Number of points ECTS
20	20			25				4

**1.3. The form of class activities**

classes are in the traditional form

classes are implemented using methods and techniques of distance learning

**1.4. Examination Forms / module** (exam, credit with grade or credit without grade)

**2. REQUIREMENTS**

Passing program content from the first and second year of study.
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### 3. OBJECTIVES, OUTCOMES, AND PROGRAM CONTENT USED IN TEACHING METHODS

#### 3.1. Objectives of this course/module

C1	The aim of education in otolaryngology is to prepare the student to interpret and understand knowledge about the essence of otolaryngological diseases, in particular cancer diseases, life-threatening conditions, and the rules of conduct in life-threatening situations in the field of otolaryngology.
C2	Shaping the student's attitude to using basic surgical tools within the head and neck.
C3	Shaping the student's attitude to deepening knowledge and improving skills in otolaryngology.

#### 3.2 OUTCOMES FOR THE COURSE / MODULE (TO BE COMPLETED BY THE COORDINATOR)

EK (the effect of education)	The content of the learning effect defined for the subject (module)	Reference to directional effects (KEK)
EK_01	He knows selected issues in the field of otolaryngology, including otolaryngological examination and basic audiometric tests	F.W2.
EK_02	He knows the rules of qualifications and performance as well as the most common complications of basic surgical procedures and invasive diagnostic and therapeutic procedures (in the field of otolaryngology)	F.W3
EK_03	He knows the principles of perioperative safety, patient preparation for surgery, general and local anesthesia and controlled sedation	F.W4.
EK_04	He knows post-operative treatment with analgesic therapy and postoperative monitoring	F.W5.
EK_05	<p>He knows issues in the field of ENT, phoniatrics and audiology, including:</p> <p>a) causes, clinical course, treatment methods, complications and prognosis in diseases of the ear, nose, paranasal sinuses, mouth, throat and laryngitis in adults and children,</p> <p>b) diseases of the facial nerve and selected neck structures,</p> <p>c) principles of diagnostic and therapeutic procedures in mechanical injuries of the ear, nose, larynx and esophagus,</p> <p>d) the principles of emergency procedures in otorhinolaryngology, in particular in dyspnoea,</p> <p>e) principles of diagnostic and therapeutic procedures in hearing, speech and speech disorders,</p>	F.W12

	f) principles of diagnostic and therapeutic procedures in head and neck cancer	
EK_06	Uses basic surgical instruments	F.U2.
EK_07	Applies to the principles of asepsis and antisepsis	F.U3.
EK_08	It supplies a simple wound, assumes and changes the sterile surgical dressing	F.U4.
EK_09	He knows the rules of supplying external bleeding, nosebleeds in particular	F.U9.
EK_10	Is able to perform a basic ENT examination in the areas of the ear, nose, throat and larynx	F.U25
EK_11	He can orientately examine the hearing	F.U26
EK_12	He is able to establish and maintain a deep and respectful contact with the patient	K.01.
EK_13	He is guided by the good of the patient, placing them in the first place	K.02.
EK_14	Respects medical confidentiality and patient's rights	K.03.
EK_15	He is aware of his own limitations and the ability to constantly improve his skills	K.04.

### 3.3 CONTENT CURRICULUM (filled by the coordinator)

#### A. Lectures

Introduction to ENT
Subject and subject examination
Acute and chronic otitis media
otosclerosis
Types of hearing loss
Operational techniques in otology
Rynology - research, acute and chronic rhinosinusitis, surgical techniques, intracranial and ophthalmological complications
Upper respiratory tract; diseases of the throat, larynx, esophagus
Sudden emergencies in ENT - procedure
Oncology in ENT; symptoms, diagnosis, treatment, prognosis

#### B. Seminars

Basics and techniques of otolaryngological examination
Basics of audiology and otoneurology

Injuries and sudden conditions in otolaryngology
Diseases of the ear - selected disease entities
Diseases of the nose and paranasal sinuses
Head and neck cancer
Diseases of the mouth and throat
Diseases of the larynx and the basis of phoniatrics
Salivary diseases
Breathing disorders during sleep

### C. Exercises

Anatomy, physiology, research - nose, paranasal sinuses. Test methods. Nasal patency assessment. Nose bleeds due to local and systemic reasons. Handling of nosebleeds. Treatment of nasal fractures and nasal patency disorders. Imaging in diseases of the nose and paranasal sinuses. Endoscopy of the nose and paranasal sinuses. Foreign bodies and removal methods.
Anatomy, physiology, research - mouth, throat. Methods of examination of the mouth and throat. Act of swallowing, speech production, the role of language and the importance of saliva. Watching the mouth and throat. Palpation examination. Methods of taste testing. Methods of imaging changes in the mouth and throat. Proceedings in mouth and throat injuries - burns, wounding the palate, biting the tongue. Incision and drainage of abscesses.
Anatomy, physiology, research - larynx, esophagus, trachea, bronchi. Act swallowing and protective, respiratory, voice production. Imaging methods of diseases of the larynx, esophagus and bronchi. Sighting of the larynx, trachea and bronchi. Methods of esophageal speculum. Foreign bodies within the larynx, trachea and bronchi. Foreign bodies of the esophagus. Ways of dealing with foreign objects.
Anatomy, physiology, research - external, middle and internal ear. Test methods, tools for ear examination, ear examination. Examination of the function of the hearing organ and balance. Hearing test using speech and reeds. Hearing test using clean tones. Examination of the balance organ. Testing the function of the Eustachian tube. Methods of imaging changes in the temporal bone. Computer tomography and magnetic nuclear resonance. Diagnosis and the importance of nystagmus. Injury to the eardrum. Ways of treating the perforation of the tympanic membrane. Hearing aids.
Clinical examination of a patient with diseases in the facial part of the skull and neck. Viewing the structures of the facial part of the skull and neck. Palpation examination. The function of the salivary glands. Downloading slices. Fine-needle biopsy. The role of ultrasonography in neck diagnostics. Neck examination. The role of neuromonitoring in surgical treatment of salivary glands. Aseptic and dermal anesthesia used in otolaryngology.

### 3.4 TEACHING METHODS

lecture, multimedia presentations, exercise of otolaryngological examination, activating methods (solving specific clinical problems, didactic discussion)

#### 4 METHODS AND EVALUATION CRITERIA

##### 4.1 Methods of verification of learning outcomes

Symbol of effect	Methods of assessment of learning outcomes (Eg.: tests, oral exams, written exams, project reports, observations during classes)	Form of classes
EK_01-03	Oral test	exercises
EK_06-11	Practical pass.	exercises
EK_02-05	Oral test	seminars
EK_12-15	Student observation during classes.	exercises
EK_01-05, 09	Test written test	lectures

##### 4.2 Conditions for completing the course (evaluation criteria)

**1. A minimum of 90% attendance at classes**

**2. Written / oral test: (EK? \_01-05, 09,)**

**Knowledge assessment (seminars and lecture):**

Grading scale:

5.0 - has knowledge of the education content at the level of 93% -100%

4.5 - has knowledge of the content of education at the level of 85% -92%

4.0 - has knowledge of the content of education at the level of 77% -84%

3.5 - has knowledge of the content of education at the level of 69% -76%

3.0 - has knowledge of the content of education at the level of 60% -68%

2.0 - has knowledge of the educational content below 60%

**Exercises**

Practical and / or oral pass.

**Skill assessment:**

Grading scale:

5.0 - the student actively participates in classes, is well prepared, has acquired theoretical and practical knowledge in the field of otolaryngology. To a very good extent, he mastered the skills of collecting medical history, diagnostic tests

4.5 - the student actively participates in classes, has acquired theoretical and practical knowledge in the field of otolaryngology at a very good level. He successfully mastered the skills of collecting medical history, diagnostic tests.

4.0 - the student actively participates in classes, is improved, has acquired theoretical and practical knowledge in the field of otolaryngology in a good degree. He mastered the skill of collecting medical history and diagnostic tests
3.5 - the student participates in the classes, his scope of preparation does not allow for a comprehensive presentation of the discussed problem in the field of otolaryngology i. Has sufficiently mastered the ability to collect medical history, diagnostic examination
3.0 - the student participates in the classes, sufficiently acquired theoretical and practical knowledge in the field of otolaryngology. He mastered the skills of collecting medical history, diagnostic testing, however, it is often corrected.
2.0 - the student passively participates in the classes, the statements are incorrectly substantive, theoretical and practical knowledge in the field of otolaryngology is not sufficient. He has not mastered the skills of collecting medical history, diagnostic tests, and frequently made mistakes.
Competence assessment:
Assessment based on student's observation during classes.

#### 5. Total student workload required to achieve the desired result in hours and ECTS credits

Activity	Hours / student work
Hours of classes according to plan with the teacher	65
Preparation for classes	25
Participation in the consultations	2
The time to write a paper / essay	-
Preparation for tests	25
Participation in colloquia	2
Other (e-learning)	
<b>SUM OF HOURS</b>	<b>119</b>
<b>TOTAL NUMBER OF ECTS</b>	<b>4</b>

#### 6. TRAINING PRACTICES IN THE SUBJECT / MODUL

Number of hours	-
Rules and forms of apprenticeship	-

#### 6. LITERATURE

<b>READING:</b>
1. Achim Viktor, Stephanie Linke, Cordula Dahlmann " Otorynolaryngologia" wyd. pol. Witold Szyfter Elsevier Urban & Partner, 2009.
2. Iwankiewicz: „Ćwiczenia z otolaryngologii".

3. Iwankiewicz :”Otolaryngologia”
4. B. Latkowski: „Otorynolaryngologia”.
5. W. Łasiński „Anatomia głowy dla stomatologów”.

Acceptance Unit Manager or authorized person