Appendix number 1.5 to The Rector UR Resolution No. 12/2019

SYLLABUS

**concerning the cycle of education 2022-2028**

(date range)

* 1. BASIC INFORMATION CONCERNING THIS SUBJECT / MODULE

|  |  |
| --- | --- |
| Subject / Module | Otolaryngology |
| Course code / module \* | Ot/F |
| Faculty of (name of the leading direction) | College of Medical Sciences, University of Rzeszów |
| Department Name | College of Medical Sciences, University of Rzeszów |
| 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 VI |
| Type of course | Subject of teaching of directional content |
| Coordinator |  |
| First and Last Name of the Teacher |  |

\* - 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 | 30 | - | - | 10 | - | - | - | **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

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| Passing program content from the first and second year of study. |

**3. OBJECTIVES, OUTCOMES, AND PROGRAM CONTENT USED IN TEACHING METHODS**

* 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)

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| --- | --- | --- |
| 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 | He knows issues in the field of ENT, phoniatrics and audiology, including:  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,  b) diseases of the facial nerve and selected neck structures,  c) principles of diagnostic and therapeutic procedures in mechanical injuries of the ear, nose, larynx and esophagus,  d) the principles of emergency procedures in otorhinolaryngology, in particular in dyspnoea,  e) principles of diagnostic and therapeutic procedures in hearing, speech and speech disorders,  f) principles of diagnostic and therapeutic procedures in head and neck cancer | F.W12 |
| 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**

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| 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**

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| 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**

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| 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

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| --- | --- | --- |
| 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)

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| **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) |  |
| SUM OF HOURS | **119** |
| TOTAL NUMBER OF ECTS | **4** |

6. TRAINING PRACTICES IN THE SUBJECT / MODUL

|  |  |
| --- | --- |
| Number of hours | - |
| Rules and forms of apprenticeship | - |

1. LITERATURE

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| **READING:**  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