

GENERAL INFORMATION		
Course title	Otorhinolaryngology with Audiology	
Course holder	Prof. Andrijana Včeva, MD, PhD	
Associates	Asst. Prof. Hrvoje Mihalj, MD, PhD Tihana Mendeš, MD, PhD	
Study programme	Integrated undergraduate and graduate university study programme Medicine in German	
Course status	Mandatory	
Study year, semester	5 th year, 10 th semester	
Score value and the method of academic presentation	ECTS coefficient of the students' academic load	6
	Number of classes (lectures + seminars + exercises)	60 (30+10+20)
COURSE DESCRIPTION		
Course goals		
The goal of the course is to enable the students attending the course to acquire knowledge related to the basic principles of otorhinolaryngology and audiology, and the treatment of otorhinolaryngological disorders. The students will receive instructions on epidemiology, pathophysiology, and the clinical manifestations of otorhinolaryngological illnesses, as well as diagnostic and therapeutic procedures for specific illnesses. The emphasis will be placed on a multidisciplinary approach to otorhinolaryngological illnesses, medicine based on facts, and problem-oriented otorhinolaryngology.		
Requirements for enrolment to the course		
There are no specific requirements for this course, apart from those defined by the academic plan and programme for the entire study programme.		
Learning outcomes at the Programme level		
1.1., 1.2., 2.1., 2.2., 2.3., 3.1., 3.2., 3.4., 3.5., 4.2.		
Expected learning outcomes for the course (5-10 learning outcomes)		
KNOWLEDGE <ol style="list-style-type: none"> 1. Describing the basic anatomy of the head and neck 2. Listing the main areas of otorhinolaryngology and the basic groups of illnesses within those areas 3. Classifying, defining, describing, and differentiating the specific illnesses of the ear, throat, and nose 4. Describing the major symptoms and features of ear, throat, and nose illnesses and connecting those into specific clinical features and syndromes, and interpreting the basic pathophysiological mechanisms in the development of the most important clinical entities 5. Presenting differential – diagnostic options on the basis of clinical symptoms and features in a patient 6. Planning and selecting the correct diagnostic procedures in specific conditions, syndromes, and illnesses of the ear, throat, and nose, and providing a critical evaluation of the results of diagnostic tests 7. Connecting and integrating information provided by the clinical features and the diagnostic procedure and providing a critical evaluation of the correct diagnosis of the relevant illness 8. Differentiating the basic principles of treatment and planning the optimal type and sequence of therapeutic procedures 		

9. Listing and recognising emergency conditions and specifying the sequence of urgency when treating otorhinolaryngological patients
10. Critically estimating various invasive and non-invasive treatment methods for specific illnesses and presenting those to patients while providing arguments

SKILLS

1. Demonstrating the skill of taking medical histories independently and performing a clinical examination, as well as setting a working diagnosis
2. Detecting the major symptoms of an illness and recognising the connection between those symptoms and specific clinical entities
3. Recognising the symptoms of patients in life-threatening conditions and presenting the skill of treating those patients
4. Developing the skill of discussing the clinical features and interpreting a differential diagnosis
5. Developing the skill of interpreting and discussing the results of diagnostic tests for a patient
6. Independently performing specific clinical skills, according to the Booklet of Clinical Skills
7. Under supervision, performing a number of various diagnostic and therapeutic procedures, according to the Booklet of Clinical Skills
8. Presenting the methods for managing diagnostic and therapeutic procedures and for supervising patients, according to the appropriate algorithms
9. Maintaining the patients' medical documents
10. Participating in team, interdisciplinary, and multidisciplinary clinical activities and demonstrating good communication skills with patients, their companions, and the staff

Course content

Acquiring the theory and the practical knowledge in the area of otorhinolaryngology. Epidemiology, aetiology, pathogenesis of the upper part of the respiratory system. Diagnostics of the illnesses of the auditory and vestibular system. Pathogenesis and the clinical features of head and neck tumours. Emergency conditions in otorhinolaryngology (ORL) and head and neck trauma. Plastic-reconstructive surgery of the head and neck. Specific features of diagnostics in ORL (otomicroscopy, audio-vestibular tests, endoscopy, phoniatric diagnostics, and similar). Developing the skill of noticing details within the clinical features, logically discarding superfluous information, summarising information (as an SMS), and prescribing medication with theoretical justification. Avoiding polypharmacy.

Handling ORL pathology in a seminar paper on the basis of previous knowledge acquired during the study programme in medicine.

Familiarisation with the specifics of otorhinolaryngological medical history and statuses, and applying those in practice. Diagnostics and therapy options for the illnesses of the auditory and vestibular system. Familiarisation with degenerative illnesses and malformations of the face and the upper respiratory system. Diagnostics and treatment of head and neck tumours. Allergic and inflammatory conditions in the area of the upper respiratory system. Procedures during emergency ORL conditions and the treatment of head and neck trauma. Plastic-reconstructive surgery of the head and neck.

Forms of academic presentation	Lectures x Seminars and workshops x Exercises x Remote education Field classes	Independent tasks Multimedia and the Internet Laboratory Mentorship Other
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Students' obligations

Preparing for the classes by studying the proposed literature related to specific academic topics and actively participating in all forms of academic presentation. The student must attend at least 70% of all forms of academic presentation.

Monitoring the student's activities

Attending	0.5	Activity	x	Seminar paper		Experimental	
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classes		during classes				activities	
Written exam	1.5	Oral exam	1.5	Essay		Research	
Project		Continuous knowledge testing		Presentation		Practical work	2.5
Portfolio							

Grading and evaluating students' activities during classes and at the final exam

The students' activities are evaluated during classes and at the final exam. The students are graded in numerical form and in descriptive form (insufficient (1), sufficient (2), good (3), very good (4), excellent (5)). During classes, a student may acquire the maximum of 100 grade points. During classes, via various activities, the students may acquire the maximum of 20 points. At the final exam, the students may acquire the maximum of 80 points. The final grade represents the sum of the grade points acquired during classes and at the final exam.

Mandatory literature (at the moment the proposal of the study programme is submitted)

1. Lenarz T, Boenninghaus HG. HNO. Springer: 2012.

Additional literature (at the moment the proposal of the study programme is submitted)

The number of copies of mandatory literature compared to the number of students currently attending classes as part of this course

Title	Number of copies	Number of students
Lenarz T, Boenninghaus HG. HNO. Springer: 2012	We will use the purchased licence for online textbooks https://bfdproxy48.bfd-online.de/login.htm?back=http%3a%2f%2fpartner.bfd-online.info.bfdproxy48.bfd-online.de%2fameos%2fbfdAboGateway%3fabold%3d264117	All students enrolled into the study programme will be granted access

Methods for monitoring quality which ensure the acquisition of output knowledge, skills, and competencies

The quality of implementation of the course will be monitored via an anonymous student survey on the quality of organisation and presentation of classes, the course content, and the performance of the teachers. The evaluated items will include the usefulness of the lectures from the students' perspective, the course content, the preparedness of the teachers, the clarity of presentation, the quantity of new content, and the quality of presentation. The lesson plan and its implementation will be compared at the administrative level. The participation of the students in lectures and exercises will be controlled and analysed, along with the reasons for their absence.