

**MED 5006 - Otorhinolaryngology**

Course Name	Code	Semester	Type of course	Theory (hours)	Work in Group (hours)	ECTS
Otorhinolaryngology (ENT)	MED 5006	X	Mandatory	15	26	3
Faculty, the educational program and education level	Faculty of Medicine, one-cycle Educational Program "Medicine"					
Author (s)	<b>Micheil Jashi</b> – invited specialist Mob.tel: 599 5812 18; e-mail: int.mjashi@gmail.com Consultation day: individually					
Educational course format	Lecture Group work (Clinical practice)					
Educational course Loading	<b>Total:</b> 90. hours <b>Contact hours:</b> 45 h, that includes: <ol style="list-style-type: none"> <li>1. Lecture – 15 h</li> <li>2. Team work – 26 h</li> <li>3. Midterms – 2 h</li> <li>4. Final exam -2 h</li> </ol> <b>Independent work</b> – 45 h					
Prerequisites	MED 1008 – Sensory Organ and Endocrine System					
The purpose (s) of tutorial course/modules	This course is going to be held completely in the hospital, in the ENT department, operation rooms and emergency. The aim is to teach how to evaluate and treat ENT patient. Clinical findings, differential diagnosis and treatment principles of the congenital, infectious and neoplastic diseases of the head and neck region.					
Teaching and learning methods	<b>Lecture - Face-to-Face;</b> Lecture notes and readings (power point slides for the lecture) will be provided; to each lecture as a PDF file, one slide per page, to facilitate notes taking. <b>Demonstration</b> – ENT colour atlases, models, illustrations, slides and other visual aids; <b>Discussion</b> – questions and answers, answers analysis supported with visual aids; <b>Analyses and interpretation</b> –structural and physiological connection between hearing organ systems in relation with health status and different disorders development. <b>Practical work</b> in the otorhinolaryngology ENT cabinet of clinic: hearing disorders clinical picture, diagnosing and treatment methods; <b>Brief-inquire</b> -short questions and answers. <b>Work with additional literature</b> –independent work with additional literature to deep knowledge about new achievement in this field of area.					

	<p><b>Consultation</b> –individual support work with students (weekly)</p>
<p><b>Assessment criteria</b></p>	<p><b>Maximum score- 100:</b></p> <ol style="list-style-type: none"> <li>1. <b>Midterm assessment -60 scores</b> , that includes:       <ol style="list-style-type: none"> <li>1.1. Attendance -<b>10 scores</b>;</li> <li>1.2. Activity – <b>30 scores</b>:           <ol style="list-style-type: none"> <li>1.2.1. Practical skills on the base of ENT cabinet of clinic –(13x1)= <b>13 score</b></li> <li>1.2.2. Brief-inquire (7 X 1 = <b>7 scores</b>);               <ul style="list-style-type: none"> <li>-1 score- the question is answered fully and reasonably;</li> <li>-0.5 score - incomplete answers;</li> <li>-0 score -no answer.</li> </ul> </li> <li>1.2.3. Medical documentation management - <b>10 scores</b>;</li> </ol> </li> <li>1.3. <b>Midterm Exam – 20 scores</b></li> </ol> </li> </ol> <p><b>Example of Medical Documentation Management and Assessment– max 10 scores</b></p> <p><b>10-9 scores</b>- the task is understood properly, medical history component, clinical picture and diagnostics data, diagnosing and the treatment scheme is adequate and all the steps are described in consequential order; list of drugs is appointed properly with correct name and dozes;</p> <p><b>8-7 scores</b> - the task is completely understood, medical history component, clinical picture and diagnostics data, diagnosing and the general steps treatment is assembled in consequential order;</p> <p><b>6-5 scores</b> -the task is completely understood, but medical history component, clinical picture and diagnostics data, diagnosing and the general steps treatment is assembled in no consequential order;</p> <p><b>4-3 scores</b> – the task is not completely understood, medical history component, clinical picture and diagnostics data, diagnosing and the general steps treatment is assembled in no consequential order;</p> <p><b>2-1 score</b> – Student demonstrates misunderstanding and no complete skills of medical history taking</p> <p><b>0 score</b>- Student is not able to complete the task</p> <p><b>1.3. Midterm Exam – 20 scores</b></p> <p>Written test -20 question, 1 score for each – max. 20;</p> <p><b>Minimal scores of midterm assessment (for final exam) – is 11.</b></p> <p><b>2. Final Exam -40 scores</b></p> <p>Is held in the written test form (test consists of 40 questions, each question is rated as 1 score). The final exam would accounted as passed in case of maximum 70% or more (<math>40 \times 70 / 100 = 28</math> scores).</p> <p>Credit will be given to the student if he has collected at minimum 51 scores out of 100. Student's assessment has to be done in the following way:</p> <p>Positive rate:</p> <ul style="list-style-type: none"> <li>• (A) Excellent- 91 or more scores;</li> <li>• (B) Very Good- 81-90 scores;</li> <li>• (C) Good- 71-80 scores;</li> <li>• (D) Satisfactory- 61-70 scores;</li> <li>• (E) Enough- 51-60 scores;</li> </ul> <p>Negative rate:</p>

	<ul style="list-style-type: none"> <li>• (FX) Failure - 41-50 scores, which means that a student needs to work more and an independent and considerable further work is required to pass the exam once again to be re-awarded;</li> <li>• (F) Fail – 40 scores or less, which means that the student's diligence is not sufficient and student has to learn the subject all over again. Student can pass the additional exam during the same semester. The time interval between the final and the additional exams should be not less than 10 days.</li> </ul>
<b>The basic literature</b>	<ul style="list-style-type: none"> <li>• D.BULL <b>DISEASES OF EAR, NOSE AND THROAT</b> BLACKWELL PUBLISHING, IX, 2002</li> </ul>
<b>The auxiliary literature</b>	<ul style="list-style-type: none"> <li>• ANIL MALHOTRA <b>CHALLENGES IN OTORHINOLARINGOLOGY</b>. JAYPEE BROTHERS MEDICAL PUBLISHERS (P) LTD, 2005;</li> <li>• JONAS T.JOHNSON &amp; CLARK A.ROSEN BAILEY'S <b>HEAD AND NECK SURGERY</b> OTOLARYNGOLOGY VOLUME I-II LIPPINCOTT WILLIAMS&amp;WILKINS, 2014</li> </ul>

#### The tutorial/training course content

№	Subjects	Lecture (hour)	Work in group (hour)
1	Acute and chronic purulent otitis and their complications. Otagia and otorrhea. Hearing losses.	2	3
2	Inner ear's diseases, ear's diseases surgical treatment	2	3
3	Nasal cavity's examination methods, the front and rear tamponades	1	3
4	Nose and nasal sinuses diseases. Nasal obstruction and discharge. Modern methods for the surgical treatment – nasal endoscopy.	2	3
5	Surgical treatment of nasal diseases: septum surgery, nasal concha disintegrating, foreign body (rhinoliths') removal technology.	2	2
	<b>Midterm exam</b>		2
6	Pharynx and larynx examination methods, conservative and surgical treatment methods	1	3
7	Sore throat. Snoring. Vertigo. Neck masses. Dyspnea.	2	3
8	Myogenic and neurogenic paralysis of the larynx	2	3
9	Foreign bodies of esophagus and breathing ways	1	3
	<b>Final exam</b>		2

#### Learning Outcomes

Criteria	Competences
Knowledge and Understanding	<p>Student will have the deep and consistent knowledge of the ENT study area, which enables to elaborate /develop new, original ideas. Understands the approaches for solving problems.:</p> <ul style="list-style-type: none"> <li>- clinical anatomy of ear, nose, para-nasal sinuses, oral cavity, pharynx, larynx and neck regions;</li> <li>-etiologies, clinical findings and treatment protocols of the infectious diseases of the head and neck region.</li> </ul>
Applying knowledge	<p>Student will be able:</p> <ul style="list-style-type: none"> <li>- to practice in the ENT cabinet of clinic area;</li> <li>-to collect anamnesis and examine patient;</li> <li>-to provide patients with the first aid measures during nose bleeding;</li> <li>-to perform some ENT diagnostics and treatment manipulations under doctor-supervisor control.</li> </ul>
Making Judgment	<p>Student will be able to discuss clinical oicture, evaluate patient status, define the proper dignose and appoint the treatment, evaluate and judge the severity of head and neck emergencies.</p>
Communication Skills	<p>During the education process the professional and friendly relationship has to be formed with the older (professors / teachers) and younger (this and other groups students) colleagues, communication with patients and their relatives. Can work in a team, as a regular member and as a leader. Can reach agreement with the team members, coordinate their activities, adequately assess abilities of the team members, manage situations during conflicts and force majeure Is able to easily adapt in a new environment, has skills of practical team work, has ethics of professional subordination /adaptation.</p>
Learning skills	<p>Student has up-to-date knowledge regarding the medical and surgical tretment modalities of ENT disease. To develop the skill of using modert equipment and methods of ENT diagnostics ang treatment.</p>