


<b>University of Niš</b> <b>Faculty of Medicine</b>	<b>Study program:</b> <b>INTEGRATED ACADEMIC STUDIES OF MEDICINE</b> <b>ACCREDITATION 2018</b>	
<b>Course: Otorhinolaryngology</b>		
<b>Course head:</b> Prof. dr Milan D Stanković		
<b>Course status:</b>	Required	
<b>Semester: XI</b>	<b>Study year: VI</b>	
<b>ECTS: 4</b>	<b>Course code:</b> M-VI-48	
<b>Course purpose:</b>		
The course should acquaint the students with the diagnosis and treatment of injuries of hard and soft tissues, infections, cystic changes, benign and malignant tumors, congenital and acquired deformities in the regions of the face, jaws and neck.		
<b>Course outcome:</b> (knowledge, skills, attitudes)		
Students should be able to timely recognize maxillofacial pathologic conditions in order to refer the patient to the appropriate specialist institution.		
<b>No. of classes of active teaching: 60</b>		
<b>Lectures: 30</b>	<b>Practice: 30</b>	
<b>Course content</b>		
<p><i>Theory</i></p> <p>Physiology of balance, diagnosis, pathophysiology of n. facialis, otologic diagnosis, objective audiometry, evaluation of balance, rotatory tests of the vestibular apparatus, radiology in otology, tonal audiometry, impedancemetry, caloric vestibular test, nystagmus, registering, pathophysiology of balance, congenital ear anomalies, otitis externa diffusa, cerumen, corpora aliena, otitis externa, differential diagnosis, therapy, otitis media acuta, otitis media acuta neonatorum, paracentesis, acute tubar cathar (serotympanum), otitis secretoria, otitis secretoria, otitis media chronica, etiopathogenesis, cholesteatoma, etiopathogenesis, cholesteatoma, cholesteatoma, therapy, otitis media chronica, otitis media chronica, otitis adhaesiva, tympanosclerosis, mastoiditis acuta, paralysis n. facialis otogenes, meningitis otogenes, thrombosis sinus sygmoidei, abscessus cerebelli otogenes, abscessus cerebelli otogenes, herpes zoster oticus, otosclerosis, otosclerosis, diagnosis, therapy, trauma of outer ear, trauma of middle ear, trauma acustica acuta, commotio labyrinthi, fractura ossis temporalis, fractura ossis temporalis, therapy, acute deafness, trauma acustica chronica, presbyacusic, symptomatic cochleovestibular diseases, hydrops labytynhi, hydrops labyrinthi, pathogenesis, therapy, vertigo, differential diagnosis, vertigo, therapy, benign tumors, precanceroses of outer ear, tumors of outer ear, malignant tumors of outer ear, middle ear tumors, inner ear tumors, diagnosis of n. facialis disorders, paralysis n. facialis, sec. Bell, paralysis n. facialis traumatica, rehabilitation of damaged hearing, hearing amplifiers.</p> <p>Physiology, pathophysiology of nose and sinuses, diagnosis in rhinology, rhynomanometry, endoscopy of nose and sinuses, radiology in rhinosinusology, congenital anomalies of nose and sinuses, rhinitis acuta, pathogenesis, therapy, clinical picture, rhinitis allergica, clinical picture, pathogenesis, therapy, rhinitis chronica, clinical picture, rhinitis vasomotoria, rhinitis atrophica, sinusitis paranasales, therapy, sinusitis ethmoidales acuta, sinisitis frontalis acuta, sinusitis maxillaris acuta, sinusitis maxillaris chronica, intracranial complications of sinusitis, orbital complications of sinusitis, inflammation of the nose, deviatio septi nasi, haematoma septi nasi, abscessus septi nasi, epistaxis, etiopathogenesis, epistaxis, therapy, corpus alienum cavi nasi, fractura ossium nasalium, fractura maxillae, frontoethmoidal injuries, clinical picture, esthetic and reconstructive surgery of the face, polyposis cavi nasi, clinical picture, polyposis cavi nasi, pathogenesis, therapy, benign tumors of paranasal sinuses, carcinoma sinus maxillaris, malignant tumors of the nose and siinuses, malignant tumors of nasal cavity. Congenital anomalies of the mouth cavity, lymphoepithelial system of the pharynx, pathophysiology, pharyngitis acuta, tonsillitis chronica, abscessus peritonsillar, vegetations adenoideae, tonsillitis acuta, differential diagnosis, indications for tonsilectomy, preparation for adenotonsilectomy, sepsis tonsillogenes, abscessus retropharyngealis, pharyngitis acuta, pathogenesis, therapy, corpora aliena oropharyngis, corrosio oropharyngis, phlegmona baseos oris, tonsilar malignancies, mouth floor malignancies, tongue malignancies, carcinoma baseos oris, benign tumors of the epipharynx.</p> <p>Diagnosis in laryngology, stroboscopy of the larynx, endoscopy in laryngology, physiology and</p>		

pathophysiology of larynx, dysphonia, differential diagnosis, congenital anomalies of the larynx, laryngitis acuta, epiglottitis acuta, laryngitis subglottica, noduli cantatorum, laryngitis chronica, pathogenesis, therapy, laryngitis chronica, pathogenesis, therapy, contusio laryngis, oedema laryngis, perichondritis laryngis, benign tumors of the larynx, dysplasia, precanceroses, polypus laryngis, papilloma laryngis, corpora aliena laryngis, carcinoma laryngis, carcinoma laryngis, carcinoma hypopharyngis, paralysis n. recurrens, therapy, surgical therapy of laryngeal diseases, rehabilitation after laryngectomy, anatomy, pathophysiology of the trachea and bronchus, diagnosis in tracheobronchology, corpora aliena tracheae, therapy, methods of providing patency of the airways, tracheotomy, cannulas, patient care, indications, surgical techniques, tumors of the esophagus and trachea, dysphagia differential diagnosis, diagnosis of esophageal diseases, corrosio oesophagi, corrosio oesophagi, therapy, esophageal traumas, corpora aliena oesophagi, diverticulum, varices oesophagi, stenosis oesophagi, congenital neck anomalies, neck lymphadenopathy.

Practice

Ear examination, otoscopy, impedancemetry, audiometry, assessment of balance organs, caloric vestibular tests, nystagmus, rotatory tests of the vestibular apparatus, n. facialis assessment, examination of the nose and sinuses, palpation of the nose and sinuses, anterior rhinoscopy, posterior rhinoscopy, epistaxis, maxillary sinus puncture, x-ray of paranasal sinuses, mouth floor examination, oropharyngoscopy, diagnosis in laryngology, indirect examination of the larynx, laryngeal endoscopy, laryngomicroscopy, neck palpation, tracheotomy, directoscopy, intubation, conicotomy, esophagoscopy.

**3. Seminars**

	Teme seminarskih radova formulišu se na početku nastave, a odnose se na programsku materiju iz domena praktične nastave.	
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**Recommended literature:**

1. Stanković, Milisavljević, Popović: Otorinolaringologija, Nota 2000.
2. Katerda ORL: Otorinolaringologija, Beograd 2005.

**Teaching methods:**

- Interactive theoretical and practical teaching
- Independent performance of clinical skills
- Demonstration of clinical skills
- Consultations
- Seminar papers
- Small group work

**Required previously passed exams:**

None

**Grade (max. 100 points)**

**Pre-exam obligations**

- Attendance and activity at lectures: 0 – 10 points
- Activity at practice classes: 5 – 20 points
- Tests: 0 – 20 points

**Final exam**

- Practical exam: 0 – 10 points
- Oral exam: 0 – 40 points