



## MEDICAL STUDIES IN ENGLISH

Course: **OTORHINOLARYNGOLOGY – HEAD AND NECK SURGERY**

Course Leader: Assoc Prof Boris Jelavić, MD, PhD

ANNUAL STUDY PLAN (AY 2023 / 2024)

(L - 25 hours, S – 10 hours, P - 40 hours, Total - 75 hours)

Date	Timetable	Type (hours)	Title	Location
Tue, 9 Apr 2024	8.30am	Lecture (x 3)	(L1) Introduction to ENT & Head and neck surgery. Applied anatomy of the ear. (L2) Physiology of hearing. Assessment of hearing. (L3) Hearing impairment. Tinnitus.	Lecture Room 6, 1 <sup>st</sup> floor, Medical School
	11.00am	Practicals (x 4)	(P1) ENT working place. Use of a head mirror and head light.. (P2) Instruments for head and neck examination. (P3) Otoscopy. Ear toilet procedure. (P12) Acumetry. Hearing aids. Legal rights of hearing-impaired patients.	- Practice room for preclinical prosthetics, 2 <sup>nd</sup> floor, Medical School - ENT Clinic, ground floor, University Hospital Mostar - ENT ward, 6 <sup>th</sup> floor, University Hospital Mostar - Operating theatre 2, 1st floor, University Hospital Mostar
Wed, 10 Apr 2024	8.30am	Lecture (x 4)	(L4) Physiology of vestibular system. Assessment of vestibular system. Vestibular disorders. (L5) Ménière's disease. Vestibular neuronitis. Ear barotrauma. (L6) Inflammation of external ear. Inflammation of middle ear. Inflammation of inner ear. (L7) Complications of otitis. Tumors of the ear and temporal bone.	Lecture Room 6, 1 <sup>st</sup> floor, Medical School
	11.45am	Practicals (x 4)	(P13) Audiology Unit. Pure tone audiometry. Tympanometry. Early detection of deafness. (P14) Vestibulology Unit. Vestibulometry (caloric test, rotational test). (P8) Anamnesis in otology, work in the ENT office. (2 hours)	- Practice room for preclinical prosthetics, 2 <sup>nd</sup> floor, Medical School - ENT Clinic, ground floor, University Hospital Mostar - ENT ward, 6 <sup>th</sup> floor, University Hospital Mostar - Operating theatre 2, 1st floor, University Hospital Mostar
Thu, 11 Apr 2024	8.30am	Lecture (x 3)  Seminar (x 1)	(L8) Ear surgery. Cochlear implants. (S1) Acute acoustic trauma. Chronic noise trauma. (L20) The larynx: applied anatomy and physiology. (L21) Inflammations of the larynx.	Lecture Room 6, 1 <sup>st</sup> floor, Medical School
	12.15am	Practicals (x 3)	(P7) Indirect laryngoscopy procedure. (P11) Neck palpation. Anamnesis in laryngology, work in the ENT office. (1 hour) (P19) Specificities of the ENT operating theater. Equipment for microlaryngoscopy, rigid oesophagoscopy, and tracheobronchoscopy. Work in the ENT operating theater. (1 hour)	- Practice room for preclinical prosthetics, 2 <sup>nd</sup> floor, Medical School - ENT Clinic, ground floor, University Hospital Mostar - ENT ward, 6 <sup>th</sup> floor, University Hospital Mostar - Operating theatre 2, 1st floor, University Hospital Mostar

Fri, 12 Apr 2024	8.30am	Lecture (x 2) Seminar (x 2)	(L22) Tumors of the larynx. (L23) Malignant laryngeal tumors: basic principles of surgical treatment. Voice and speech rehabilitation following total laryngectomy (S4) Inspiratory stridor: differential diagnosis, treatment. Coniotomy, tracheostomy. (S8) Congenital anomalies of the larynx.	Lecture Room 6, 1 <sup>st</sup> floor, Medical School
	11.45am	Practicals (x 3)	(P17) Tracheal cannula: types, toilet, change. Care of patient with tracheostomy tube. (P16) Work in the ENT ward and Wound Care Unit. (1 hour) (P11) Anamnesis in laryngology, work in the ENT office. (1 hour)	- Practice room for preclinical prosthetics, 2 <sup>nd</sup> floor, Medical School - ENT Clinic, ground floor, University Hospital Mostar - ENT ward, 6 <sup>th</sup> floor, University Hospital Mostar - Operating theatre 2, 1st floor, University Hospital Mostar
Mon, 15 Apr 2024	8.30am	Lecture (x 3)	(L14) The mouth and pharynx: applied anatomy and physiology. Waldeyer ring. (L15) Inflammatory diseases of the mouth and pharynx. Laryngopharyngeal reflux. (L16) Complications of tonsillitis.	Lecture Room 6, 1 <sup>st</sup> floor, Medical School
	11.00am	Practicals (x 4)	(P18) Imaging in ENT: Ultrasound, X-rays, CT, MRI. A presentation of normal and pathologic radiographs (P19) Specificities of the ENT operating theater. Equipment for microlaryngoscopy, rigidoesophagoscopy, and tracheobronchoscopy. Work in the ENT operating theater. (2 hours) (P16) Work in the ENT ward and Wound Care Unit (1 hour)	- Practice room for preclinical prosthetics, 2 <sup>nd</sup> floor, Medical School - ENT Clinic, ground floor, University Hospital Mostar - ENT ward, 6 <sup>th</sup> floor, University Hospital Mostar - Operating theatre 2, 1st floor, University Hospital Mostar
Tue, 16 Apr 2024	8.30am	Lecture (x 4)	(L17) Tonsil problem. Tonsillectomy, adenoidectomy: indications, basic principles of surgery. (L18) Tumors of the mouth and pharynx. Classification of neck lymph nodes. Neck dissections. (L19) Diseases of major salivary glands (sialoadenitis, sialolithiasis, tumors). Basic principles of surgical treatment (L24) A neck lump.	Lecture Room 6, 1 <sup>st</sup> floor, Medical School
		Seminar (x 1)	(S5) The European Society for Clinical Microbiology and Infectious Diseases: Guideline for the management of acute sore throat.	
	12.30am	Practicals (x 4)	(P6) Oropharyngoscopy. (P10) Anamnesis in pharyngology, work in the ENT office. (2 hours) (P16) Work in the ENT ward and Wound Care Unit (1 hour)	- Practice room for preclinical prosthetics, 2 <sup>nd</sup> floor, Medical School - ENT Clinic, ground floor, University Hospital Mostar - ENT ward, 6 <sup>th</sup> floor, University Hospital Mostar - Operating theatre 2, 1st floor, University Hospital Mostar
Wed, 17 Apr 2024	8.30am	Lecture (x 3)	(L25) Surgical treatment of the thyroid and the parathyroid gland (L9) Nose and paranasal sinuses: applied embryology, anatomy, physiology. Deformations of the nasal septum and pyramid. Septoplasty, rinoplasty. (L10) Methods of assessment of the nose and paranasal sinuses. Radiologic assessment of the nose and paranasal sinuses. Cutaneous lesions of the external nose; surgical treatment. Tumors of the nasal cavity, paranasal sinuses and nasopharynx.	Lecture Room 6, 1 <sup>st</sup> floor, Medical School

	11.00am	Practicals (x 5)	(P4) Anterior rhinoscopy. (P5) Posterior rhinoscopy. Epistaxis: instruments and materials for anterior and posterior nasal packing. (P9) Anamnesis in rhinology, work in the ENT office. (2 hours) (P16) Work in the ENT ward and Wound Care Unit. (1 hour)	- Practice room for preclinical prosthetics, 2 <sup>nd</sup> floor, Medical School - ENT Clinic, ground floor, University Hospital Mostar - ENT ward, 6 <sup>th</sup> floor, University Hospital Mostar - Operating theatre 2, 1st floor, University Hospital Mostar
Thu, 18 Apr 2024	8.30am	Lecture (x 3)	(L11) Injuries of the nose. Foreign bodies in the nose. Inflammation of nasal skin. (L12) Epistaxis. Infectious rhinitis. Non infectious rhinitis. (L13) Acute rhinosinusitis. Chronic rhinosinusitis. Nasal polyps. Antrochoanal polyp. Complications of rhinosinusitis.	Lecture Room 6, 1 <sup>st</sup> floor, Medical School
	10.00am	Seminar (x 1)	(S3) 1. EP3OS- European Position Paper on the Primary Care Diagnosis and Management of Rhinosinusitis and Nasal Polyps. 2. ARIA guidelines.	
	11.45am	Practicals (x 4)	(P15) Unit for ENT endoscopy. Rigid and flexible endoscopes in ENT. Otomicroscopy. (P16) Work in the ENT ward and Wound Care Unit. (1 hour) (P19) Specificities of the ENT operating theater. Equipment for microlaryngoscopy, rigid oesophagoscopy, and tracheobronchoscopy. Work in the ENT operating theater. (2 hours)	- Practice room for preclinical prosthetics, 2 <sup>nd</sup> floor, Medical School - ENT Clinic, ground floor, University Hospital Mostar - ENT ward, 6 <sup>th</sup> floor, University Hospital Mostar - Operating theatre 2, 1st floor, University Hospital Mostar
Fri, 19 Apr 2024	8.30am	Seminar (x 3)	(S2) Emergency conditions in rhinology. (S6) Foreign body in the larynx, trachea, bronchus, and oesophagus. (S7) Ear wax. Foreign body in the ear.	Lecture Room 6, 1 <sup>st</sup> floor, Medical School
	11.45am	Practicals (x 4)	(P16) Work in the ENT ward and Wound Care Unit. (4 hours)	- Practice room for preclinical prosthetics, 2 <sup>nd</sup> floor, Medical School - ENT Clinic, ground floor, University Hospital Mostar - ENT ward, 6 <sup>th</sup> floor, University Hospital Mostar - Operating theatre 2, 1st floor, University Hospital Mostar
Mon, 22 Apr 2024	8.30am	Seminar (x 2)	(S9) Metastatic neck tumors of unknown primary origin. (S10) Esthetic surgery in otorhinolaryngology: auriculoplasty, rhytidectomy, blepharoplasty, rhinoplasty.	Lecture Room 6, 1 <sup>st</sup> floor, Medical School
	10.15am	Practicals (x5)	(P20) Midterm exam - assessment of student's competencies adopted in the clinical practicals (written test, performance of ENT clinical skills, interpretation of plain radiographs, solving a problem in the imaginary ENT scenario). (5 hours)	- Practice room for preclinical prosthetics, 2 <sup>nd</sup> floor, Medical School