



UNIwersYTET
Andrzeja Frycza Modrzewskiego
w Krakowie

Collegium Medicum Faculty of Medicine

SUBJECT CARD

Field of studies: Medicine
Form of studies: Full-time course
Degree: long-cycle Master's program
Specializations: No specialization
Academic year: 2024/2025

LARYNGOLOGY	
SUBJECT NAME	Laryngology
NUMBER OF ECTS POINTS:	4
LANGUAGE OF INSTRUCTION	english
TEACHER(S)	dr n. med. Paweł Papież
PERSON RESPONSIBLE	dr n. med. Paweł Papież
NUMBER OF HOURS:	
LECTURES:	20h
CLASSES:	20h
SEMINARS:	20h
GENERAL OBJECTIVES	
OBJECTIVE 1:	familiarize the student with the basics of physical examination in ENT, basic disease syndromes, a method of surgical treatment and pharmacotherapy
LEARNING OUTCOMES	

LARYNGOLOGY

MK1	Knowledge: The student has basic knowledge of the anatomy of the head and neck, knows the spaces of the nasal cavity, paranasal sinuses, mouth, eye socket, pharynx, ear and larynx. He knows the methods of diagnostics and pharmacological treatment as well as basic surgical techniques in the field of ENT.
MS1:	Skills: has the basics of a physical examination, can examine the patient and describe deviations from the norm in the area of the craniofacial structure, orbit, outer, middle and inner ear, can perform endoscopy ear, nose, laryngeal examination in a mirror, can determine the places and causes of nosebleeds, can present theoretical assumptions for anterior and posterior tamponade of the nose.

INTRODUCTORY REQUIREMENTS

Basic knowledge of anatomy, histology, physiology as well as pathophysiology and pathomorphology of the head and neck.

COURSE PROGRAM	DESCRIPTION
LECTURE 1:	Laryngological propaedeutics. Elements of subjective and physical examination in ENT. Tools used in basic ENT examination. ENT endoscopy. Additional examinations in laryngology (radiological examinations, audiological examinations, examinations of the equilibrium system, microbiological examinations), robotics in laryngology, lasers in laryngology. Injuries in ENT.
LECTURE 2:	Ear diseases - anatomy and physiology of the ear, acute and chronic inflammatory diseases of the ear, methods and algorithms of treating ear inflammation by location, surgical treatment, chronic examination of the middle ear, ear cancer, ear injuries, bad ear diseases - vertigo, otosclerosis, sudden deafness, tinnitus.
LECTURE 3:	Diseases of the nose and sinuses - anatomical structure and physiology of the nose and sinuses. Inflammatory diseases of the nose and sinuses, neoplastic diseases of the maxillofacial massif, acute sinusitis management algorithm, chronic sinusitis with polyps methods of diagnosis and treatment, EPOS 2020, basics of the assessment of radiological examinations CT, nasal septal deviation
LECTURE 4:	Oropharyngeal diseases - anatomical structure and physiology of the oropharynx. Inflammatory diseases of the throat and tonsils. Chronic tonsillitis - diagnosis criteria, methods of treatment and surgery. Tonsil hypertrophy - a common problem, criteria and procedure algorithms. Neoplastic diseases of the mouth and throat. Sleep apnea - diagnosed, management, GERD syndrome, inflammatory diseases and salivary gland tumors.

LARYNGOLOGY

LECTURE 5:	Larynx - anatomical structure and physiology of the larynx, inflammatory diseases of the larynx, acute and chronic laryngitis, dyspnoea in the course of acute inflammation and in the course of laryngeal tumors, laryngeal cancer - symptoms, diagnostics, treatment methods, role of HPV, tracheotomy, tracheostomy tubes
CLASS 1	Ear examination - evaluation of the outer ear, middle ear endoscopy, earwax - methods of treatment, rinsing of the outer ear, ear leakage, traumatic and inflammatory perforation of the tympanic membrane, ear microscope, subjective and objective methods of hearing evaluation, speech and whisper examination, hearing tests
CLASS 2	Balance disorders and dizziness, positioning tests, head maneuvers, caloric tests, rehabilitation exercises for a patient with dizziness.
CLASS 3	Nasal examination - external nose examination, nose endoscopy, endoscopy of the nose and sinuses, sinus openings, epistaxis, nasal tamponade, olfactory disorders, sinus CT evaluation.
CLASS 4	Examination of the larynx and pharynx - external evaluation and palpation of the neck, laryngeal endoscopy, indirect laryngoscopy, laryngofiberoscopy, intubation
SEMINAR 1	Program of early detection of hearing impairment in Poland, various types of hearing loss, Eustachian tube inflammation, ear discharge, traumatic and inflammatory perforation of the tympanic membrane, various types of audiometry, induced oto-emission tests, otitis externa and middle ear, effusive otitis media.
SEMINAR 2	Equilibrium system physiology, differentiation of vertigo origin, nystagmus, types and characteristics, management of patients with vertigo, Meniere's disease.
SEMINAR 3	Nasal polyps, nasal obstruction, nasal septum deviation, sinus inflammation, EPOS 2016 algorithm, theoretical basics of epistaxis.
SEMINAR 4	Anatomy and physiology of the throat, palatine tonsils - hypertrophy and inflammation, pharyngeal tonsil - hypertrophy and inflammation. Recurrent infections of the nose and throat in preschool children, Sleep apnea - causes, symptoms, diagnosis and methods of conservative and surgical treatment, polysomnography - sleep examination
SEMINAR 5	Salivary gland diseases, salivary gland tumors, cranial nerves, including the facial nerve. Laryngeal cancer - epidemiology, causes, symptoms, diagnosis, treatment, tracheotomy, laryngeal dyspnoea

**DIDACTIC METHODS
(APPLIED)**

DESCRIPTION

LARYNGOLOGY

Lecture,
Seminar,
Discussion,
Multimedia presentation,
E-learning methods,
Case analysis,
Brainstorming,
Bedside teaching,
Practical classes.

STUDENTS WORKLOAD:

CONTACT HOURS WITH THE ACADEMIC TEACHER	60h
HOURS WITHOUT THE PARTICIPATION OF THE ACADEMIC TEACHER	Preparation for classes 15h Preparation of a report, presentation, medical history 5h Preparation for the exam 20h
TOTAL NUMBER OF HOURS FOR THE COURSE	100h

CONDITIONS FOR COURSE COMPLETION

METHODS OF ASSESSMENT:

IN TERMS OF KNOWLEDGE:	Multiple-choice test, oral test
IN TERMS OF SKILLS:	Practical exam, development of a medical history.
IN TERMS OF SOCIAL COMPETENCE:	Activity in classes, observation of behavior towards patients and colleagues, evaluation of group work.
FORMATIVE:	Colloquiums- test , oral answers during exercises and tutorials
SUMMATIVE (I & II)	Term I: Practical and oral exam Test 60 questions Term II: Oral exam

GRADING SCALE

3,0 (Satisfactory)	60-67%
3,5 (Satisfactory plus)	68-77%

LARYNGOLOGY

4,0 (Good)	78-87%
4,5 (Good plus)	88-95%
5,0 (Very Good)	more than 95%

BASIC LITERATURE

K. J. Lee "Essential Otolaryngology: Head and Neck Surgery"

SUPPLEMENTARY LITERATURE

Matthew L Carlson Otolaryngology--Head and Neck Surgery: Rapid Clinical and Board Review