Attachment to the Ordinance of the Rectorno 186/WST/2018

Subject name Otorhinolaryngology			ECTS Code		
Name of unit teaching the subject					
	BIGNIEW RELIGA FACU				,
	THE UNIVERSITY OF	TECHNO	LOGY IN KAT	OWICE	
Studies	-				· · · · ·
Field of study	degree Uniform Master's		mode	major	specialization
medical	Uniform Master's	stationar	/		
Surname of instructor (ins	tructors)				
Type of class method of i	mplementation and specified	number	Amount of EC	'TS noints	
of hours	inprementation and specified	munioer		is points	
A.Type of class			Lecture – 0.5 E		
• <u>lecture</u> ,			Exercise classes	s - 2 ECTS	
• exercise classes,			Description of		•
<u>clinical exercise classes</u>	<u>S</u>		Description of	awarding ECTS po	Student
 seminars, design classes 			A	ctivity	workload
design classeslaboratories,			Participation in	n lectures	10 hours
lectureship,			-		
• diploma seminar,			Participation in	n practical classes	40 hours
• professional internship. ³	*		Duen queti que fe		
* mark where applicable	1 1 1 1	•	and colloquiur	r practical classes	15 hours
B. Amount of hours in a curriculum	ccordance with the approved	1	una conoquiai	115	15 110415
curriculuii			Examination p	reparation	15 hours
10h of lecture			Consultations		101
40h of clinical exercise c	lasses		Total number	of hours	10 hours 90 hours / 30
				CTS points per	
			module	F F	3ETCS
Didaatia avala					
Didactic cycle 4th year, 7th semester					
ini yeur, / in semester					
Subject status		Laı	nguage of instruct	ion	
• mandatory / facultative	2		Polish		
				e • 1	1 1 1 1
Didactic methods Lectures			rms and methods of passing and general grading criteria or examination requirements		
Demonstration of clinical cases					
Demonstrations with the use of	a computer		A. Method of passing		
			Receiving credit for practical classes Test		
Didactic discussion		100	•		
Direct work with the patient Use of simulators/phantoms B. I			Forms of passing:		
Ose of sinulators/phantoms				fter each exercise mo	odule
					iew with the patient,
				xaminations, proposa	al of diagnosis and
			treatment		
L		.			

C. Basic grading criteria Are individually specified, correspond to the educational
effects

Definition of preparatory subjects and initial requirements

Required familiarity with: basics of normal anatomy as far as otorhinolaryngology, conducting a medical interview in various clinical situations, principles of conducting a otorhinolaryngological physical examination, symptoms and course of diseases

Subject aim

The ability to properly diagnose and treat diseases of the upper digestive and respiratory tracts as well as becoming familiar with the risks connected with their complications. Mastering the basics of laryngological examinations of the patient Becoming familiar with the principles of:

- qualifying for and performing the most common surgical and invasive procedures as well as their complications
- perioperative safety, preparing the patient for surgery, diagnostic and medical procedures
- diagnostic and therapeutic treatment of mechanical traumas of the ear, nose, larynx, and esophagus
- behavior during medical emergencies in otorhinolaryngology, especially during laryngospasm
- diagnostic and therapeutic treatment of hearing, voice and speech disorder
- diagnostic and therapeutic treatment of head and neck cancers
- Becoming familiar with the causes and clinical course, methods of treatment, complications and prognosis:
 - in diseases of the ear, nose, paranasal sinuses, mouth, throat, and larynx of adults, general and local anesthesia and controlled sedation
 - - in diseases of the facial nerve and selected neck structures

Curriculum

Medical emergencies in otorhinolaryngology (dyspnea, bleeding from the respiratory tracts, foreign objects in the respiratory tracts, sudden deafness, dizziness)

Endoscopic treatment of selected disorders of the salivary glands

Cancers of the head and neck area - diagnosis and treatment

Laryngeal cancer: epidemiology, pre-cancer conditions, diagnosis, method of treatment, treatment results, rehabilitation, prophylaxis.

Allergic inflammation of the mucous membrane, mouth, nose, throat, and larynx – modern diagnostic and examination methods as well as perspectives of treating the allergy

Diagnosis and treatment of hearing loss

Implantable hearing aids

Modern methods of treating laryngeal and tracheal stenosis. Sleep apnea - diagnosis and therapy

Inflammation of the paranasal sinuses – diagnosis and treatment. Salivary gland disorders – diagnosis and treatment

New technologies in otorhinolaryngology: cochlear implants, anchored implants, voice valves, functional magnetic resonance and tractography

Exercise classes: 1. Mouth and throat – anatomy and physiology. The most common diseases of the mouth, throat, salivary glands. Methods of diagnosis and treatment of diseases of the mouth and throat. Basis of laryngological treatment of the patient. 2. The role and diseases of the lymphatic system of the throat. Mouth and throat cancers – diagnostic methods and treatment. 3. Sleep apnea. Polysomnography – the "golden standard" in diagnosing sleep apnea, interpretation of examination results. Collaboration between laryngologist and dentist as far as diseases of the mouth and throat 4. Esophagus – anatomy and physiology. Inflammations and foreign objects in the esophagus. Esophageal traumas – diagnosis and treatment. 5. Nose and the paranasal sinuses – anatomy and physiology. The most common inflammatory diseases of the nasal cavity and the sinuses, imaging and endoscopic diagnosis, conservative and surgical treatment. Nosebleeds - behavior. Case demonstration, demonstration of endoscopic surgeries with the use of a visual track. 6. Nasal traumas and traumas of the paranasal sinuses, Craniofacial traumas – clinical symptoms, imaging diagnosis, treatment. Cancers of the nose and the paranasal sinuses – clinical symptoms, diagnosis, treatment. 7. Larynx, trachea, bronchi – anatomy and physiology. Inflammatory diseases of the larynx and trachea - clinical symptoms, diagnosis, treatment. Methods of examining the larynx. Clinical cases. Tracheotomy demonstration. 8. Laryngeal cancer – epidemiology, clinical forms, methods of early detection, prophylaxis, treatment. Microlaryngoscopy. surgery demonstration. 9. The outer and middle ear – anatomy and physiology, acute and chronic inflammations. Traumas of the temporal bone. Ear cancers. Methods of ear examination. Otoscopy, micro-otoscopy, imaging examinations. Case demonstration. 10. Inner ear – anatomy and physiology. Hearing loss and deafness. Hearing loss implants. Surgeries improving hearing and treating deafness, cochlear implants, BAHA. 11. Audiology- methods of accumetric examination, tonal and speech audiometry, tympanometry. Objective audiometry. Demonstrations of test in an audiometry workshop.

	, nosa i gardła – W. Becker, H.H. Naumann, C.R. Pfaltz	
	gia – H.G. Boenninghaus	
	tolaryngologiczne – G. Janczewski, T. Goździk-Żołnierkiewicz	
Otolaryngolog	gia praktyczna – podręcznik dla studentów i lekarzy edited by G. Janczewski	i
Educational	effects:	
Effect no	Description of an educational effect	Reference to field of study related
		effects
Knowledge:		
8		
W1	Has knowledge regarding laryngology, phoniatrics, and audiology,	F.W12
	including:	1.0012
	a) knows and understands the causes, clinical course, methods of	
	treatment, complications, and prognosis of diseases of the ear, nose,	
	paranasal sinuses, mouth, throat, and larynx in adults	
	b) knows diseases of the facial nerve and selected neck structures	
	c) knows the principles of diagnostic and therapeutic treatment of	
	mechanical traumas of the ear, nose, larynx, and esophagus	
	d) knows the principles of behavior in medical emergencies in	
	otorhinolaryngology, especial in laryngospasm	
	e) knows the principles of diagnostic and therapeutic treatment of cancers	
	of the head and neck	
	of the neud and neek	
W2	Knows the principles of qualifying the patient for basic surgical and	F.W3
	invasive diagnostic and medical procedures, how to perform them and	
	their most common complications	
W3	Knows the principles of perioperative safety, preparing the patient for	F.W4
115	surgery, administering general and local anesthesia as well as controlled	1
	sedation	
Abilities:		
ionnues.		
U1	Can perform the basic laryngological examination of the ear, nose, throat,	F.U25
01	and larynx	1.025
U2	Can conduct an exploratory examination of hearing	F.U26
U3	Assists with typical surgical procedures, can prepare the operating field	F.U1
	and administer local and general anesthesia	
U4	Can use basic surgical instruments	F.U2
U5	Follows the principles of asepticism and antisepticism	F.U3
U6	Can treat a simple wound, put on and change a sterile surgical bandage	
Social compe		
social compe	unity,	
K1	Pagagnizas his own diagnosis and treatment limitations, advestigged	
N1	Recognizes his own diagnosis and treatment limitations, educational	
1/0	needs, plans his educational activities	
K2	Can work in a professional team, in a multi-cultural and multi-national	
	environment	
К3	Implements principles of professional colleagueship and collaboration	
	with representatives of other professions as far as healthcare	
K4	Protects patient confidentiality and patient rights	
	d in the verification of educational effects	

Educational — effect	Type of grade					
	colloquiums	Solving problems during exercise classes	Solving problems in groups	Oral/practical examination	Written examination	
W1-W3	Х			X	Х	
U1		X	X	X	X	
U2		X	X	X	X	
U3		X	X	X	X	
U4		X	X	X	X	
U5		X	X	Х	X	
U6		X	X	X	X	

The practical test checks the student's abilities with the use of a simulator and directly in contact with the patient to:

• Conduct an exploratory examination of hearing (F.U26)

• Perform a laryngological examination of the ear, nose, throat, and larynx (F.U27)

• Describe and suggest a clinical course, methods of treatment, complications, and prognosis of diseases of the ear, nose, paranasal sinuses, mouth, throat, and larynx (F.W25a)

Criteria of evaluating educational effects					
Educational effect	For a grade of 3	For a grade of 3.5	For a grade of 4	For a grade of 4.5	For a grade of 5
W1	Exhibits	Exhibits	Exhibits	Exhibits	Exhibits knowledge of
	knowledge of	knowledge of	knowledge	knowledge	the educational content
	the	the	of the	of the	on a level of 93%-100%
	educational	educational	educational	educational	
	content on a	content on a	content on a	content on a	
	level of 60%-	level of 70%-	level of	level of	
	69%	76%	77%-84%	85%-92%	
U1	Exhibits	Exhibits	Exhibits	Exhibits	Exhibits knowledge of
	knowledge of	knowledge of	knowledge	knowledge	the educational content
	the	the	of the	of the	on a level of 93%-100%
	educational	educational	educational	educational	
	content on a	content on a	content on a	content on a	
	level of 60%-	level of 70%-	level of	level of	
	69%	76%	77%-84%	85%-92%	
U2	Exhibits	Exhibits	Exhibits	Exhibits	Exhibits knowledge of
	knowledge of	knowledge of	knowledge	knowledge	the educational content
	the	the	of the	of the	on a level of 93%-100%
	educational	educational	educational	educational	
	content on a	content on a	content on a	content on a	
	level of 60%-	level of 70%-	level of	level of	
	69%	76%	77%-84%	85%-92%	