



SYLLABUS of the MODULE (SUBJECT)
General Information

Module title:	
Module type	Obligatory/ Facultative
Faculty PMU	Faculty of Medicine and Dentistry
Major	Dentistry
Level of study	long-cycle Master's degree studies
Mode of study	full-time studies provided in English language
Year of studies, semester	Year 4, semester 1
ECTS credits (incl. semester breakdown)	1
Type/s of training	Lectures (5h e-learning) /seminars (5h)/ practical (5h)
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input checked="" type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <input type="checkbox"/> final examination <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral
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Department's/ Clinic's/ Unit's website	https://www.pum.edu.pl/studia_iii_stopnia/informacje_z_jednostek/wmis/klinika_neurologii/
Language	English

* replace into where applicable

Detailed information

Module objectives		<ol style="list-style-type: none"> 1. Introduction to the technique and interpretation of the neurological examination. 2. Presentation of the currently available additional examinations used in neurological diagnosis. 3. Familiarisation with the symptomatology, course, treatment, and prognosis of selected central and peripheral nervous system disorders, with special emphasis on those neurological diseases that may pose challenges in dental practice.
Prerequisite /essential requirements	Knowledge	<ul style="list-style-type: none"> • Discussing and explaining the complexities of the structure of the human body from a topographical (upper and lower limbs, thorax, abdomen, pelvis, back, neck, head) and functional (skeletal system, muscular system, cardiovascular system, respiratory system, digestive system, urinary system, reproductive system, integumentary system, nervous system, and sensory organs) approach. • Discussing and explaining the intricacies of the anatomy of the nervous system. • Discussing and explaining the complexities of the reflex arc concept. • Discussing and explaining the complexities of the causes and types of speech disorders.
	Skills	<ul style="list-style-type: none"> • Matching patient complaints with nervous system abnormalities • Communicating with patients with speech disorders
	Competences	<ul style="list-style-type: none"> • Social maturity • Teamwork skills, the ability to talk to patients and their families • Forbearance, patience, and sensitivity to the needs of a suffering person with a nervous system disease

Description of the learning outcomes for the subject /module			
No. of learning outcome	Student, who has passed the (subject) knows /is able to /can:	SYMBOL (referring to the standards)	Method of verification of learning outcomes*
W01	enumerate the neurological effects of chronic drug use	E.W6.	EU
W02	recognize situations in which the patient should be referred to the hospital	E.W20.	EU
U01	interpret results of laboratory tests	E.U4.	S
U02	identify normal and pathological structures and organs in additional imaging examinations (X-ray, ultrasound, CT-computed tomography)	E.U5.	S, EU
U03	identify life-threatening emergencies	E.U8.	EU

U04	recognize symptoms of brain injuries and cerebrovascular diseases, dementia syndromes, and consciousness disorders	E.U10.	EU
U05	diagnose headaches and facial pain and neurological diseases of adults and children that pose problems in dental practice	E.U11.	EU
K01	establish and maintain deep and respectful contact with the patient, and show understanding of worldview and cultural differences	K.1.	O
K02	put the welfare of a patient as the goal of treatment	K.2.	O
K03	respect medical confidentiality and patient rights	K.3.	O
K04	implements the principles of professional collegiality and cooperation in a team of specialists, including representatives of other medical professions in a multicultural and multinational environment	K.4.	O

Table presenting LEARNING OUTCOMES in relation to the form of classes

No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical	Clinical classes	Simulations	E-learning	Other...
W01	E.W6.	X	X		X			
W02	E.W20.	X	X		X			
U01	E.U4.		X		X			
U02	E.U5.		X		X			
U03	E.U8.	X	X		X			
U04	E.U10.	X	X		X			
U05	E.U11.		X		X			
K01	K.1.				X			
K02	K.2.				X			
K03	K.3.				X			
K04	K.4.				X			

Table presenting TEACHING PROGRAMME

No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
Winter semester			
Seminars			
TK01	Focal signs and neurological symptoms	1	W01, W02,U01,U02,U03, U04
TK02	Clinical symptomatology of cranial nerve injuries relevant to dental practice	1	W01, W02,U01,U02,U03
TK03	Dementia syndromes: a practical approach	1	W01, W02,U01,U02,U03

TK04	Head injuries and their clinical implications	1	W01, W02,U01,U02,U03
TK05	The most common clinical pathologies and methods of neurological examination.	1	W01, W02,U01,U02,U03
Practical classes			
TK01	Management of patients with epilepsy in dental practice	1	U01,U02, K01,K02,K03,K04
TK02	Headaches and facial pain: spontaneous headaches - migraine, simple vasomotor headache, causes of symptomatic headaches, neuralgias, Costen syndrome, atypical facial pain	1	U01, U02, K01,K02,K03,K04
TK03	Chronic neurological diseases: Parkinson's disease, SLA: amyotrophic lateral sclerosis, myasthenia gravis	1	U01, U02, K01,K02,K03,K04
TK04	Cervical and lumbar radiculopathies	1	U01,U02,U05, K01,K02,K03,K04
TK05	Diseases of the nervous system that can lead to speech disorders. Types of speech disorders. Communication with an aphasic patient. Neurologopaedic techniques.	1	U01, U02, K01,K02,K03,K04
E-learning			
TK01	Introduction to neurology. Interpretation of the most common neurological abnormalities	1	W01, W02
TK02	Cerebrovascular diseases	1	W01, W02
TK03	Epilepsy, short-term and long-term causes of unconsciousness	1	W01, W02
TK04	Demyelinating diseases - multiple sclerosis: clinical aspects that may pose challenges in dental practice	1	W01, W02
TK05	Neurological emergencies	1	W01, W02

Booklist
Obligatory literature:
Crash Course Neurology by Vivekananda Umesh, Elsevier 5 th edition 2018

Student's workload	
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
	Tutor
Contact hours with the tutor	10
Time spent on preparation to seminars/ practical classes	5
Time spent on reading recommended literature	1
Time spent on writing report/making project	0
Time spent on preparing to colloquium/ entry test	0
Time spent on preparing to exam	5
Other	0
Student's workload in total	21
ECTS credits for the subject (in total)	1
Remarks	

* Selected examples of methods of assessment:

EP – written examination

EU – oral examination

ET – test examination

EPR – practical examination

K – colloquium

R – report

S – practical skills assessment

RZC – practical classes report, incl. discussion on results

O – student's active participation and attitude assessment

SL – lab report

SP – case study

PS - assessment of student's ability to work independently

W – entry test

PM – multimedia presentation

other...