



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT)

valid from the academic year 2017/2018

General Information

Module title	Neurosurgery
Module type	Obligatory
Faculty	Faculty of Medicine and Dentistry
Field of study	Medicine and Dentistry
Major	not applicable
Level of study	long-cycle (S2J)
Mode of study	intramural
Year of studies, semester	4th year , 1 st semester
ECTS credits (incl. semester breakdown)	1
Type/s of training	lectures (5h) / practical (5h)
Form of assessment	- graded assessment: * <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral x non-graded assessment * - final examination: * <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral
Head of the Department/ Clinic, Unit	dr hab. n. med. prof. PUM Leszek Sagan
Tutor responsible for the module	dr n. med. Bartosz Limanówka blimanowka@gmail.com
Department's/ Clinic's/ Unit's website	https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/Klinika-Neurochirurgii-i-Neurochirurgii-Dzieciecej
Language	Polish/English

*replace ☐ with X where applicable

Detailed information

Module objectives		1. To recognize symptoms and causes of intracranial hypertension and its consequences. 2. To get acquainted with medical issues in the diagnosis and therapeutic methods in neurosurgical diseases, incl.: craniocerebral trauma, cerebral edema, hydrocephalus, vascular diseases, central nervous system tumors, degenerative spine disease. 3. To acquire skills in evaluating condition of unconscious patient. 4. Knowledge of central nervous system diseases that may mask dental pathologies.	
Prerequisite /essential requirements	Knowledge	1. Basic knowledge of neuroanatomy and neurophysiology. 2. Knowledge of neurological diseases.	
	Skills	1. Practical skills in neurological examination.	
	Competences	1. Ability to deal adequately with an inpatient.	
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 the standards) ZEK	Method of verification of learning outcomes *
W01	knows principles of procedure in case of multi-organ injury	K_E.W04	ET
W02	knows life-threatening states	K_E.W18	ET
W03	knows when to refer patient to hospital	K_E.W20	ET
U01	identifies correct and pathological structures and organs in additional imaging examination (X-ray, USG, computer tomography)	K_E.U05	O
U02	identifies life-threatening risk	K_E.U08	O
U03	recognizes symptoms of brain injury and cerebrovascular disease, dementia and consciousness disturbances	K_E.U10	ET
U04	diagnoses headaches, facial pains and neurological diseases in adults and children that are problematic in dental practice	K_E.U11	O

Table presenting learning outcomes of the subject/module in relation to the form of classes									
No.	SYMBOL (referring the standards) ZEK	Type/s of training							
		Lecture	Seminar	Practical classes	Clinical classes	Other...
1.	K_E.W04	X			X				
2.	K_E.W18	X			X				
3.	K_E.W20	X			X				
4.	K_E.U05				X				
5.	K_E.U08	X			X				
6.	K_E.U10	X			X				
7.	K_E.U11	X			X				
Module (subject) contents no.	Description of teaching programme		No. of hours	References to learning outcomes					
TK01	Lecture 1: Intracranial hypertension. Unconscious patient evaluation.		2	W02, W03, U02					
TK02	Lecture 2: Trigeminal neuralgia. Craniocerebral trauma. Vascular defects of central nervous system.		3	W01, W02, W03, U02, U03, U04					
TK03	Clinical class 1: Psychical examination of unconscious patients and affected by craniocerebral trauma, subarachnoid haemorrhage and spine degeneration.		2	W01, W02, W03, U01, U02, U03, U04					
TK04	Clinical class 2: B Psychical examination of unconscious patients and affected by neoplastic tumors of central nervous system. Craniotomy show in the operating room.		3	W02, W03, U01, U02, U03, U04					
Booklist									
Obligatory literature:									
1. Greenberg M.S. (ed.): Handbook of neurosurgery. Thieme Medical Publishers, 2016.									
Supplementary literature:									
2. Winn H.R. (ed.): Youmans Neurological Surgery. Elsevier, 2016.									

Student's workload (balance sheet of ECTS credits)			
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]		
	Tutor	Student	Average
Contact hours with the tutor	10		
Time spent on preparation to seminars/ practical classess	5		
Time spent on reading recommended literature	10		
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	30		
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 – multimedial presentation

other...