



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT)

valid from the academic year 2018/2019

General Information

Module title	<i>Surgery and Oncology</i>
Module type	<i>Obligatory</i>
Faculty	<i>Faculty of Medicine and Dentistry</i>
Field of study	<i>Medicine and Dentistry</i>
Major	<i>Not applicable</i>
Level of study	<i>long-cycle (S2J)</i>
Mode of study	<i>intramural</i>
Year of studies, semester	<i>Year III, semester V</i>
ECTS credits (incl. semester breakdown)	<i>2</i>
Type/s of training	<i>seminars (15h)/ practical (22h)</i>
Form of assessment	<i>- graded assessment:</i>
Head of the Department/ Clinic, Unit	<i>Prof. dr hab. n. med. Elżbieta Gawrych</i>
Tutor responsible for the module	<i>Dr n. med. Justyna Rajewska-Majchrzak Dr n. med Kaja Giżewska-Kacprzak Lek. Karolina Rosołowicz Lek. Justyna Jelińska</i>
Department's/ Clinic's/ Unit's website	<i>www.pum.edu.pl</i>
Language	<i>English</i>

Detailed information

Module objectives		To acquaint the student with medical conditions requiring surgical treatment in childhood; possibilities of diagnosis, diagnosis of the disease and indication for surgery. Emphasizing the physiopathological differentiation of the child's body from 1 day old to 18 years old in relation to his age.
Prerequisite /essential requirements	Knowledge	<i>human anatomy, physiology and pathology</i>
	Skills	<i>the ability to take medical history from a patient or his guardians - physical examination of the patient - first medical aid - ability to interpret imaging tests</i>
	Competences	<i>ethical behavior towards colleagues and medical staff, communication with the patient and his carers</i>

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	understands relationship between morphological anomalies and function of organs and systems, clinical symptoms and capacity of diagnostics and treatment	K_E.W01	S, D
W02	knows basic methods of medical examination and importance of additional examination with regard to diagnosis, monitoring, prognosis and prophylaxis of organ and systemic disorders in particular its effect on oral cavity tissues	K_E.W02	S, D
W03	knows etiopathogenesis and symptomatology of diseases of respiratory system, circulatory system, genitourinary system, hematopoietic system, immunological system, alimentary system, motor system and endocrine system with particular focus on disease whose symptoms occur in oral cavity	K_E.W03	S, D
W04	knows principles of procedure in case of multi-organ injury	K_E.W04	S, D
W05	knows symptoms of acute diseases of abdominal cavity, poisoning, symptoms of infection and septicemia	K_E.W07	S, D
W06	knows methods of cytological diagnostics and cytodiagnostic criteria for identification and differentiation of neoplastic and non-neoplastic diseases	K_E.W15	S, D
W07	knows immunological aspects of transplantation and hemothologic therapy	K_E.W16	S, D
W08	knows when to refer patient to hospital	K_E.W20	S, D
U01	plans diagnostics procedure and therapeutic management in case of most common diseases in adults	K_E.U03	S, D
U02	identifies correct and pathological structures and organs in additional imaging examination (X-ray, USG, computer tomography)	K_E.U05	S, D
U03	diagnoses nasopharyngeal cavity diseases, knows etiology and pathomechanism thereof	K_E.U12	S, D
U04	diagnoses diseases causing enlargement of cervical lymph nodes and mandibular lymph nodes and contagious diseases with particular regard to changes in area of oral cavity	K_E.U18	S, D

U05	performs basic procedures and operations: body temperature measurement, sphygmometry, non-invasive blood pressure measurement, oxygen therapy, forced and supportive ventilation, introduction of mouth-throat tube, preparation of operating field, hygienic and surgical disinfection of hands, intravenous, intramuscular and subcutaneous injections, drawing peripheral venous blood, nose, throat and skin swabs, simple strip tests and glucose concentration measurement	K_E.U20	S, D
K01	shows habit of self-education and lifelong education	K_K01	S, D
K02	can co-operate with team members and care about occupational safety	K_K03	S, D
K03	shows respect to human body	K_K04	S, D
K04	shows respect to patient, social groups and cares for their goodwill and security	K_K05	S, D
K05	understands proper examiner/examined relationship	K_K08	S, D
K06	understands need for keeping professional secrecy and showing respect to patients' rights	K_K09	S, D
K07	can make opinions on different aspects of professional activities	K_K10	S, D

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.W01	X			X				
2.	K_E.W02	X			X				
3.	K_E.W03	X			X				
4.	K_E.W04	X			X				
5.	K_E.W07	X			X				
6.	K_E.W15	X			X				
7.	K_E.W16	X			X				
8.	K_E.W20	X			X				
9.	K_E.U03	X			X				
10.	K_E.U05	X			X				
11.	K_E.U12	X			X				
12.	K_E.U18	X			X				
13.	K_E.U20	X			X				
14.	K_K01	X			X				
15.	K_K03	X			X				
16.	K_K04	X			X				
17.	K_K05	X			X				
18.	K_K08	X			X				
19.	K_K09	X			X				
20.	K_K10	X			X				

Module contents no.	Description of teaching programme	No. of hours	References to learning outcomes
Seminar + Practical classes			
TK01	Asepsis and antisepsis	1 + 2	W01-05, U05, K01-07
TK02	Patient's examination	1 + 2	W01-02, U01-05, K01-07
TK03	Physical examination	1 + 2	W01-02, U01-05, K01-07
TK04	Wounds and their treatment	1 + 2	W01-04, W08 U01-04, K01-07
TK05	Wound infections	1 + 2	W01 – W02, U01-02, K01-07
TK06	Osteomyelitis	1 + 2	W01, W08, U02, K01-07
TK07	Haemorrhage	1 + 2	W01-03, W07-08, U01-02, U05, K01-07
TK08	Gastrointestinal obstruction	1 + 2	W01-02, W08, U01-02, K01-07
TK09	Burns (2 parts)	2 + 2	W01-04, W07-08, U01-02, K01-07
TK10	Inborn malformations (2 parts)	2 + 2	W01, W08, U02, K01-07
TK11	Tumors of head and oral cavity	1	W01-03, W07-08, U02-04, K01-07
TK12	Bone fractures	1 + 2	W01-04, W07-08, U02, K01-07

Booklist			
Obligatory literature:			
Principles of surgery : companion handbook Seymour I Schwartz Red. cop. 1999			
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	30		
Time spent on preparation to seminars/ practical classess	4		
Time spent on reading recommended literature	4		
Time spent on writing report/making project			
Time spent on preparing to colloquium/ entry test	2		
Time spent on preparing to exam			
Student's workload in total	40		
ECTS credits for the subject (in total)	2		
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

D- discussion