



# Pomeranian Medical University in Szczecin

## SYLLABUS of the SUBJECT General Information

Module title: Pediatric Surgery	
Module type	Obligatory
Faculty PMU	Faculty of Medicine and Dentistry
Major	Medicine
Level of study	long-cycle (S2J)
Mode of study	full-time studies
Year of studies, semester	year IV
ECTS credits (incl. semester breakdown)	2
Type/s of training	lectures (10h) /seminars (15h)/ practical (15h)/
Form of assessment <sup>1</sup>	<input checked="" type="checkbox"/> <u>graded assessment:</u> <input type="checkbox"/> descriptive <input checked="" type="checkbox"/> <u>test</u> <input type="checkbox"/> practical <input 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
Head of the Department/ Clinic, Unit	dr n. med. Kaja Giżewska-Kacprzak Department of Pediatric and Oncological Surgery, Urology and Hand Surgery
Tutor responsible for the module	dr n. med Kaja Giżewska-Kacprzak kaja.gizewska.kacprzak@pum.edu.pl tel: 914253186
Department's/ Clinic's/ Unit's website	<a href="https://www.pum.edu.pl/studia_iii_stopnia/informacje_z_jednostek/wmis/oddzia_kliniczny_chirurgii_dzieciecej_onkologicznej_urologii_i_chirurgii_rki/">https://www.pum.edu.pl/studia_iii_stopnia/informacje_z_jednostek/wmis/oddzia_kliniczny_chirurgii_dzieciecej_onkologicznej_urologii_i_chirurgii_rki/</a>
Language	English

<sup>1</sup> replace  into  where applicable

**Detailed information**

<b>Module objectives</b>		<ul style="list-style-type: none"> <li>- teaching the student about diseases in the field of pediatric surgery, with particular emphasis on birth defects; the possibilities of diagnosis, surgical treatment and the prognosis of the treatment,</li> <li>- emphasizing the differences in the doctor-patient (child), doctor - parent (guardian) relationship, child - surgeon - paediatrician or family doctor, emphasizing the physiopathological differences of the child's organism in relation to age (from the 1 day of life to 18 years of age).</li> </ul>
Prerequisite /essential requirements	Knowledge	- Assessment of learning outcomes of knowledge and examinations in the study program of the first 3 years of studies
	Skills	- Assessment of learning outcomes of knowledge and examinations in the study program of the first 3 years of studies
	Competences	Assessment of competences of the study program of the first 3 years of studies. Ethical behavior towards colleagues, medical staff, patients as well as towards the patient's family

<b>Description of the learning outcomes for the subject /module</b>			
<b>No. of learning outcome</b>	<b>Student, who has passed the (subject) knows /is able to /can:</b>	<b>SYMBOL (referring the standards)</b>	<b>Method of verification of learning outcomes*</b>
	knows and understands:		
W01	causes, symptoms, principles of diagnosis and therapeutic management in relation to the most common diseases requiring surgical intervention, taking into account the specificity of childhood, including in particular: 1) acute and chronic diseases of the abdominal cavity, 2) chest diseases, 3) diseases of the limbs and head, 4) bone fractures and organ injuries	F.W1	S, D, GAT
W02	knows an understands selected issues in the field of pediatric surgery, including traumatology and otorhinolaryngology, as well as acquired defects and diseases which are indications for surgical treatment in children •	F.W2	S, D, GAT
W03	rules of qualification for basic surgical procedures and invasive diagnostic and therapeutic procedures, rules for their	F.W3	S, D, GAT

	performance and the most common complications		
	is able to:		
U01	assisting in a typical surgical procedure, prepare the operating field and local anesthetize the operated area;	F.U1	S, D, GAT
U02	using basic surgical tools,	F.U2	S, GAT
U03	following the rules of asepsis and antisepsis	F.U3	S, GAT
U04	dressing a straight wound, putting on and changing a sterile surgical dressing;	F.U4	S, GAT
U05	examining the nipples, lymph nodes, the thyroid gland and the abdominal cavity for an acute abdomen and performing a finger exam through the anus;	F.U6	S, GAT
U06	assessing the result of a radiological examination of the most common types of fractures, especially long bones,	F.U7	S, D, GAT
U07	performing temporary immobilization of the limb, selecting the type of immobilization necessary for use in typical clinical situations and controlling blood supply to the limb after applying the immobilizing dressing;	F.U8	S, D, GAT
U08	treating external bleeding	F.U9	S, D, GAT
U09	performing basic life support with the use of an automatic external defibrillator, other emergency procedures and providing first aid;	F.U10	S, D, GAT
U10	can monitor the postoperative period based on basic vital parameters	F.U12	S, GAT
U11	assesses the condition of an unconscious patient and determines it in accordance with applicable international scoring scales;	F.U21	S, D, GAT
U12	assists with typical urological procedures (diagnostic and therapeutic endoscopy of the urinary system,	F.U24	D, GAT
K01	establish and maintain a deep and respectful contact with the patient, as well as show understanding for philosophical beliefs and cultural differences	K.1	D, GAT
K02	is guided by the good of the patient	K.2	D, GAT
K03	guarantee medical confidentiality and respect patient's rights	K.3	D, GAT
K04	take actions towards the patient based on ethical principles, with the awareness of social conditions and limitations resulting from the disease	K.4	D, GAT

K05	Implements the principles of professional camaraderie and cooperation in a team of specialists, including representatives of other medical professions, also in a multicultural and multinational environment	K.9	D, GAT
K06	Accepts responsibility for decisions made in the course of professional activity, including in terms of own safety and the safety of others	K.11	D, GAT

Table presenting LEARNING OUTCOMES in relation to the form of classes

No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical classes	Clinical classes	Simulations	E-learning	Other ...
W01	F.W1		X		X			
W02	F.W2	X	X		X		X	
W03	F.W3	X	X		X		X	
U01	F.U1		X		X			
U02	F.U2		X		X			
U03	F.U3		X		X			
U04	F.U4		X		X			
U05	F.U6		X		X			
U06	F.U7		X		X			
U07	F.U8		X		X			
U08	F.U9				X			
U09	F.U10				X			
U10	F.U12		X		X			

U11	F.U21		X		X			
U12	F.U24		X		X			
K01	K.1	X	X		X			
K02	K.2	X	X		X			
K03	K.3	X	X		X			
K04	K.4	X	X		X			
K05	K.5	X	X		X			
K06	K.6	X	X		X			

Table presenting TEACHING PROGRAMME

No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
<b>E-Learning</b>			
TK01	Acute Abdomen (appendicitis)	2	W01
TK02	Battered Child Syndrome	2	W01-W02
TK03	Prenatal Diagnostic and Prenatal interventions	2	W02, W03
TK04	Pediatric Minimal Invasive Surgery	2	W02, W03,
TK05	Infantile Haemangiomas	2	W01-W02,
<b>Seminars</b>			
TK01	Pediatric Trauma	2	W01, W03, K01-K06
TK02	Pediatric Urology	2	W02, W03, K01-K06
TK03	Pediatric Oncological Surgery	2	W01-W03, K01-K06
TK04	Congenital Facial Malformations	2	W01-W03, K01-K06
TK05	Pediatric Hand Surgery	3	W01-W03, K01-K06
TK06	Congenital malformations	2	W01-W03, K01-K06
TK07	Gastrointestinal tract obstruction in children	2	W01, W03, K01-K06
<b>Exercises</b>			
TK01	Basic medical activities in pediatric surgery (including activities in the pediatric surgery department, in the operating theater and in the hospital emergency department)	10	U01, U02, U03, U04, U07, U08, U09, U012, K01-K06
TK02	Diagnostic activities for children carried out in pediatric surgery (including classes in the pediatric surgery clinic)	5	U05, U06, U10, U11, K01-K06,

**Booklist**

Obligatory literature:
1. G Holcomb Ashcrafts Pediatric Surgery 6th Edition Elsevier 2016

<b>Student's workload</b>	
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
	Tutor
Contact hours with the tutor	45
Time spent on preparation to seminars/ practical classes	7
Time spent on reading recommended literature	5
Time spent on writing report/making project	
Time spent on preparing to colloquium/ entry test	3
Time spent on preparing for exam	
Other .....	
Student's workload in total	60
<b>ECTS credits for the subject (in total)</b>	2
<b>Remarks</b>	

\* 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

GAT-- graded assessment test

other...