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**SYLLABUS of the SUBJECT**

**General Information**

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| **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[[1]](#footnote-1) | **☒**graded assessment:☐descriptive**☒**test☐practical☐oral☐non-graded assessment☐final examination☐descriptive☐test☐practical☐oral |
| Head of the Department/ Clinic, Unit | dr n. med. Kaja Giżewska-KacprzakDepartment of Pediatric and Oncological Surgery, Urology and Hand Surgery |
| Tutor responsible for the module | dr n. med Kaja Giżewska-Kacprzakkaja.gizewska.kacprzak@pum.edu.pltel: 914253186 |
| Department’s/ Clinic’s/ Unit’s website | https://www.pum.edu.pl/studia\_iii\_stopnia/informacje\_z\_jednostek/wmis/oddzia\_kliniczny\_chirurgii\_dziecicej\_onkologicznej\_urologii\_i\_chirurgii\_rki/ |
| Language | English |

**Detailed information**

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| **Module objectives** | * 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,
* 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).
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| Prerequisite /essentialrequirements | Knowledge | * Assessment of learning outcomes of knowledge and examinations in the study program of the first 3 years of studies
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| Skills | * Assessment of learning outcomes of knowledge and examinations in the study program of the first 3 years of studies
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| 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 |

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| **Description of the learning out**c**omes for the subject /module** |
| **No. of learning outcome** | **Student, who has passed the (subject)****knows /is able to /can:** | **SYMBOL** **(referring the standards)** | **Method of verification of learning outcomes\*** |
|  | 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: l) 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 performance and the most common complications | F.W3 | S, D, GAT |
|  | 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, puting 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 | aassists 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 |

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| **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 |  |  |  |

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| **Table presenting TEACHING PROGRAMME** |
| **No. of a teaching programme** | **Teaching programme** | **No. of hours** | **References to learning outcomes** |
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| **E-Learning**  |
| 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, |
| **Seminars**  |
| 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 |
| Exercises |
| 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,  |

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| **Booklist** |
| Obligatory literature: |
| 1. G Holcomb Ashcrafts Pediatric Surgery 6th Edition Elsevier 2016
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| **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 | 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 |
| **ECTS credits for the subject (in total)** | 2 |
| **Remarks**  |
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\* Selected examples of methods of assessment:

EP – written examination

EU – oral examination

ET – test examination

EPR – practical examination

K – colloqium

R – report

S – practical skills assessment

RZĆ – 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…

1. replace **☐** into **☒** where applicable [↑](#footnote-ref-1)