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**SYLLABUS of the SUBJECT**

**General Information**

| **Module title: Surgery and Oncology** |
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| Module type | Obligatory |
| Faculty PMU | Faculty of Medicine and Dentistry |
| Major | Dentistry |
| Level of study | long-cycle (S2J) |
| Mode of study | full-time studies |
| Year of studies, semester | year III |
| ECTS credits (incl. semester breakdown) | 2 |
| Type/s of training | lectures e-learning (15h) /seminars (10h)/ practical (12h)/  |
| Form of assessment[[1]](#footnote-0) | **☒**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**

| **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 /essentialrequirements | Knowledge | *Assessment of learning outcomes of knowledge and examinations in the study program of the first 2 years of studies* |
| Skills | *Assessment of learning outcomes of knowledge and examinations in the study program of the first 2 years of studies* |
| Competences | *Assessment of learning outcomes of knowledge and examinations in the study program of the first 2 years of studies and ethical behavior towards colleagues and medical staff, communication with the patient and his carers* |

| **Description of the learning out**c**omes for the subject /module** |
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| **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\*** |
| W01 | knows and understands relationship between morphological anomalies and function of organs and systems as well as clinical symptoms and capacity of diagnostics and treatment | E.W01 | S, D, GAT |
| W02 | knows and understans basic methods of medical examination and importance of additional tests with regard to diagnosis, monitoring, prognosis and prophylaxis of organ and systemic disorders in particular its effect on oral cavity tissues | E.W02 | S, D, GAT |
| W03 | knows and understands etiopathogenesis and symptomatology of diseases of respiratory system, circulatory system, genitourinary system, hematopoetic system, immunological system, alimentary system, motor system and endocrine system with particular focus on disease with oral cavity manifestation  | E.W03 | S, D, GAT |
| W04 | knows and understants principles of management in multi-organ injuries | E.W04 | S, D, GAT |
| W05 | knows and understands symptoms of acute diseases of abdominal cavity, poisoning, symptoms of infection and septicemia | E.W07 | S, D, GAT |
| W06 | knows and understands methods of cytological diagnostics and cytodiagnostic criteria for identification and differentiation of neoplastic and non-neoplastic diseases | E.W15 | S, D, GAT |
| W07 | knows and understands immunological aspects of transplantation and hemotherapy | E.W16 | S, D, GAT |
| W08 | knows and understands cases in which the patient should be referred to the hospital | E.W20 | S, D, GAT |
| U01 | is able to plan diagnostics and therapeutic management in case of most common diseases in adults | E.U03 | S, D, GAT |
| U02 | is able to identify normal and pathological structures and organs in additional imaging examination (X-ray, USG, computer tomography) | E.U05 | S, D, GAT |
| U03 | is able to diagnose nasopharyngeal cavity diseases, their etiology and pathomechanism  | E.U12 | S, D, GAT |
| U04 | is able to diagnose diseases occuring with enlargement of cervical and submandibular lymph nodes and contagious diseases with particular regard to lesions in oral cavity | E.U18 | S, D, GAT |
| U05 | is able to perform basic routines and medical procedures: body temperature measurement, heart rate measurement, non-invasive blood pressure measurement, oxygen therapy, forced and supportive ventilation, oro-facial tube insertion, operating field preparation, hygienic and surgical hand disinfection, intravenous, intramuscular and subcutaneous injections, peripheral venous blood collection, nose, throat and skin swabs, simple strip tests and blood glucose concentration measurement | E.U20 | S, D, GAT |
| K01 | is ready to establish and maintain deep and respectful contact with the patient as well as to show understanding for ideological and cultural differences | K.1 | S, D, GAT |
| K02 | is ready to be guided by the patient wellbeing | K.2 | S, D, GAT |
| K03 | is ready to respect physician-patient privilege and patient's rights | K.3 | S, D, GAT |
| K04 | is ready to take activities towards patient on the basis of ethical principles with awareness of social conditions and disease restrictions | K.4 | S, D, GAT |
| K05 | is ready to notice and recognize own limitations, make self-assessment of educational deficits and needs  | K.5 | S, D, GAT |

| **Table presenting LEARNING OUTCOMES in relation to the form of classes** |
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| **No. of learning outcome** | **Learning outcomes** | **Type of training** |
| **Lecture** | **Seminar** | **Practical classes** | **Clinical classes** | **Simulations** | **E-learning** | **Other…** |
| W01 | E.W01 | x | x |  | x |  | x |  |
| W02 | E.W02 | x | x |  | x |  | x |  |
| W03 | E.W03 | x | x |  | x |  | x |  |
| W04 | E.W04 | x | x |  | x |  | x |  |
| W05 | E.W07 | x | x |  | x |  | x |  |
| W06 | E.W15 | x | x |  | x |  | x |  |
| W07 | E.W16 | x | x |  | x |  | x |  |
| W08 | E.W20 | x | x |  | x |  | x |  |
| U01 | E.U03 | x | x |  | x |  | x |  |
| U02 | E.U05 | x | x |  | x |  | x |  |
| U03 | E.U12 | x | x |  | x |  | x |  |
| U04 | E.U18 | x | x |  | x |  | x |  |
| U05 | E.U20 | x | x |  | x |  | x |  |
| K01 | K.1 | x | x |  | x |  | x |  |
| K02 | K.2 | x | x |  | x |  | x |  |
| K03 | K.3 | x | x |  | x |  | x |  |
| K04 | K.4 | x | x |  | x |  | x |  |
| K05 | K.5 | x | x |  | x |  | x |  |

| **Table presenting TEACHING PROGRAMME** |
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| **No. of a teaching programme** | **Teaching programme** | **No. of hours** | **References to learning outcomes** |
| **Winter semester** |
| **Lectures (e-learning + practical exercises)** |
| TK01 | The organisation of a surgical department and ambulatory clinic  | 2 | W08 |
| TK02 | The organisation of Operating Theatres and sterilisation, aseptic and antiseptic procedures.  | 1 | W08  |
| TK03 | History taking and physical examination | 2 | W01, W02, W03 |
| TK04 | Congenital facial malformations | 2 | W01, W02, W03 |
| TK05 | First Aid and bone fractures | 2 | W01, W04, W08,  |
| TK06 | Types of wound and soft tissue inflammation | 2 | W01, W02, W03 |
| TK07 | Tumors of head and neck | 2 | W02, W03, W08,  |
| TK08 | Burns | 2 | W01, W08, |
| **Seminars** |
| TK01 | Acute Abdomen  | 2 | W01, W06, W07,08,  |
| TK02 | Battered Child Syndrome | 2 | W01, W02, W08, K01, K02, K03 |
| TK03 | Congenital Malformations that require surgical interventions | 2 | W01, W08 |
| TK04 | Infantile Haemangiomas and other vascular lesions | 1 | W03, W08  |
| TK05 | Minimally Invasive Surgery  | 2 | W01, W02, W08 |
| TK06 | Varia - clinical cases | 1 | W01,W02, |
| 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) | 6 | U01-U05, K1-K5 |
| TK02 | Diagnostic activities for children carried out in pediatric surgery (including classes in the pediatric surgery clinic) | 6 | U01-U05, K1-K5 |

| **Booklist** |
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| Obligatory literature: |
| 1 Principles and Practice of Surgery O James Garden Rowan W Parks 7th Edition Elsevier 2017.  |

| **Student’s workload**  |
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| Form of student’s activity(in-class participation; activeness, produce a report, etc.) | Student’s workload [h] |
| Tutor |
| Contact hours with the tutor | 37 |
| Time spent on preparation to seminars/ practical classes | 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 |  |
| Other ….. |  |
| Student’s workload in total | 47 |
| **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 – 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

1. replace **☐** into **☒** where applicable [↑](#footnote-ref-0)