

Faculty name	Faculty of Medicine Jagiellonian University Medical College
Unit conducting the module	
Module name	Pediatrics –clinical training
Language	English
Educational goals	The aim of the module is - to learn practical skills within the field of pediatrics - to systematise acquired knowledge - to prepare a student to work autonomously
Objectives of education in the module	In the frame of knowledge, a graduate: E.W1. knows most common genetic, environmental and epidemiological background of most common diseases E.W2. knows the principles of nutrition for healthy and sick children, principles of preventive vaccinations and keeping child`s health records E.W3. knows and understands the causes, symptoms, principles of diagnosing and therapeutic procedures of most common children`s diseases: a) rickets, tetany, convulsion, b) heart defects, myocarditis, endocarditis, pericarditis, cardiomyopathy, rhythm abnormalities, cardiac failure, arterial hypertension, fainting, c) acute and chronic diseases of upper and lower respiratory tract, congenital respiratory defects, tuberculosis, mucoviscidosis, asthma, allergic rhinitis, rash, anaphylactic shock, angioedema d) anemia, bleeding disorders, marrow failures, childhood cancers, including solid tumours typical for children, lymphadenopathy and splenomegaly e) acute and chronic stomach pain, vomiting, diarrhoea, constipation, bleeding from digestive tract, gastric ulcers and nonspecific disorders of intestines, pancreas disorders, cholestasis and hepatic disorders, other acquired or congenital disorders of the digestive tract, f) urinary infections, congenital abnormalities of the urinary system, nephrotic syndrome, nephrolithiasis, acute and chronic renal failure, acute and chronic nephritis, systemic renal disease, abnormal urination, vesicoureteral reflux, g) growth hormone deficiencies, thyroid and parathyroid diseases, adrenal gland disorders, diabetes, obesity, pubertal and gonads` disorders, h) cerebral palsy, encephalitis and meningitis, epilepsies, i) the most common pediatric infectious diseases, j) genetic syndromes, diagnostics and prevention principles k) connective tissue disorders, rheumatic fever, juvenile idiopathic arthritis, systemic lupus erythematosus, dermatomyositis l) knows the symptoms and treatment in primary immunodeficiencies, autoimmune diseases and basics of cancer immunotherapy, knows the principles and can interpret basic immunodiagnostic tests E.W4. is aware of the problems of child abuse and sexual abuse, mental deficiencies, behavioral disorders: psychoses, addictions, nutrition and excretion disorders in children E.W5. basic methods of fetal diagnostics and therapy E.W6. knows the most common life hazard conditions in children and management strategies in such situations In the frame of skills: E.U2. carries out history taking in a child and his/her family E.U4. performs physical examination of a child of any age E.U6. performs tentative hearing and vision field assessment and otoscopic examination E.U7. assesses patient`s general condition, level of consciousness and orientation E.U8. assesses the newborn`s condition in Apgar`s scale, assesses baby`s maturity, can examine neonatal reflexes E.U9. compares anthropometric and blood pressure measurements with data in growth chart E.U10. can assess the sexual maturation level E.U11. performs child check-ups E.U12. performs differential diagnostics of most common diseases in adults and children E.U16. plans diagnostic, therapeutic and prophylactic procedures E.U21. identifies conditions in which survival time, functional status or patient`s preferences limit procedures concordant with the directives specified for a given disease

	<p>E.U24. interprets laboratory tests and identifies causes of abnormalities</p> <p>E.U25. can apply nutritional therapy (including enteral and parenteral nutrition)</p> <p>E.U26. plans procedures in case of exposure to blood transmitted infections</p> <p>E.U27. can qualify a patient to vaccination</p> <p>E.U28. can collect specimens to be used for laboratory diagnostics</p> <p>E.U29. can perform basic medical procedures, including:</p> <ol style="list-style-type: none"> temperature, pulse rate and noninvasive arterial pressure measurements vital signs monitoring using a cardiomonitor, pulseoxymetry spirometric test, oxygen therapy, assisted ventilation and intubation introduction of endotracheal tube intravenous, intramuscular and subcutaneous injections, cannulation of peripheral veins, collecting of peripheral venous blood, collecting blood specimens for smear, collecting arterial blood, collecting arterialized capillary blood taking nasal, pharyngeal and dermal swabs, pleural puncture urinary bladder catheterization in men and women, stomach probing, stomach lavage, enema standard ECG at rest with interpretation, electric cardioversion and defibrillation simple strip tests and blood glucose measurements <p>E.U30. assists while conducting the following procedures and treatments:</p> <ol style="list-style-type: none"> blood and blood components transfusions pleural cavity drainage puncture of the pericardial sac puncture of the peritoneal cavity lumbar puncture fine needle biopsy intra dermal and scarificating tests and interprets their results intra dermal and scarification tests and interprets their results bone marrow aspiration biopsy <p>E.U32. can plan specialist consultations</p> <p>E.U38. can keep medical patient record</p>
Assessment criteria and methods of evaluating achieved objectives of education	<p>Students are assessed based on attendance and participation in classes, obtaining skills is confirmed in the book called "List of Approved Procedures"</p> <p>The final exam:</p> <ol style="list-style-type: none"> Test - 100 multiple-choice questions with single best answer. Students pass the test with at least 60% of right answers. Theoretical oral exam
Type of a training module (mandatory/optional)	Mandatory
Year of studies	6
Term	11, 12
Type of studies	full-time long-cycle
Name and surname of the module coordinator or the person/people conducting the module	Przemko Kwinta, Professor MD Ph UJ
Name and surname of the person/people examining or giving credit in the case this is not the person conducting a given module	<p>Marek Kaciński, Professor MD PhD</p> <p>Walentyna Balwierz, Professor MD PhD</p> <p>Krzysztof Fyderek, Professor MD PhD</p> <p>Andrzej Rudziński, Professor MD PhD</p> <p>Jerzy Starzyk, Professor MD PhD</p> <p>Grzegorz Lis, Professor MD PhD</p> <p>Przemko Kwinta, Professor MD Ph UJ</p> <p>Dorota Drożdż, Professor MD Ph UJ</p>
Type of classes	Clinical practicals
Preliminary and additional requirements	Credits for Pediatrics module
Type and number of class hours requiring direct participation of an academic staff member and students when there are such classes in a given module	<p>Clinical practicals in pairs - 120 hours</p> <p>4 weeks</p>

Number of ECTS score for the module	9 ECTS
ECTS credit allocation	Attendance in mandatory classes - 120 hours Preparation to practicals - 60 hours Preparation for the final exam - 30 hours Total 210 hours of student's work
Teaching methods used	Clinical practicals - practical clinical study
The form and conditions for passing the module, including the requirements to be admitted to the examination, to be given a credit, and also the form and conditions for passing classes which comprise a given module	Module passing requires fulfilling the following conditions: 1. attendance in classes 2. active participation in classes 3. passing the final exam 4. passing the theoretical exam
Training module content (with the division into teaching methods)	Clinical classes - Practical occupational learning - 120 hours Students are assigned to one hospital ward for 4 weeks. Student's duties are: participation in preparation before children's examination, participation in keeping the records - recording the findings in patient's status praesens, recording tests' results in hospital records, participation in examination, participation in consulting at infirmary and different hospital wards and carrying out medical procedures according to the list and principles written in the book called "List of Approved Procedures"
Basic and supplementary reading, necessary to get a credit of a given module	