

Pediatrics - summer clerkship

Educational subject description sheet

Basic information

Department Faculty of Medicine Field of study Medical Program Study level long-cycle master's degree program Study form full-time Education profile general academic Disciplines Medical science		Didactic cycle 2016/17 Realization year 2019/20 Lecture languages English Block obligatory for passing in the course of studies Mandatory obligatory Examination credit Standard group
Subject coordinator	Przemko Kwinta	
Lecturer	Przemko Kwinta	

Period Semester 8	Examination credit Activities and hours professional practice: 60	Number of ECTS points 2.0
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Goals

C1	The purpose of pediatric practice is to consolidate and improve practical skills acquired during the basic course of pediatrics
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Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Skills - Student can:			

U1	identify medical problems and prioritize medical management	O.U1	booklet of practice
U2	identify life-threatening conditions that require immediate medical intervention	O.U2	booklet of practice
U3	plan the diagnostic procedure and interpret its results	O.U3	booklet of practice
U4	communicate with the patient and his family in an atmosphere of trust, taking into account the needs of the patient	O.U7	booklet of practice
Social competences - Student is ready to:			
K1	to establish and maintain deep and respectful contact with patients and to show understanding for differences in world views and cultures	O.K1	booklet of practice
K2	to be guided by the well-being of a patient	O.K2	booklet of practice
K3	respect medical confidentiality and patients' rights	O.K3	booklet of practice
K4	formulate conclusions from own measurements or observations	O.K8	booklet of practice
K5	implement 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	O.K9	booklet of practice

Calculation of ECTS points

Activity form	Activity hours*
professional practice	60
Student workload	Hours 60
Workload involving teacher	Hours 60
Practical workload	Hours 60

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities
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1.	<p>During clerkship, student should: In the PEDIATRIC part:</p> <ol style="list-style-type: none"> 1. Learn organization of pediatric ward/department and organizational links between the ward/department and the outpatient health care system; learning basic procedures used at the ward and staff competence in terms of: childcare, examinations and diagnostics (with particular emphasis on: admission, stay and discharge record keeping, medical records keeping); 2. learn sanitary and epidemiological regulations at neonatal and pediatric wards, and the methods of preventing hospital infections; 3. participate in morning rounds and learn principles of patient record keeping; participate in the training courses held by the ward; 4. practice assessment of a child's condition and psycho-physical development; improve pediatric physical examination skills; 5. learn infant care; learn about nutrition of healthy and sick infants and children; 6. learn principles of pediatric emergency medicine; 7. practice diagnosing and differentiation of basic disease entities, with special consideration to acute cases; 8. practice interpretation of laboratory, radiological and pathomorphological test and examination results; 9. practice assessment of infants' hydration status and determining indications for hydration treatment (amount and composition of the infusion fluid); 10. practice assessment of acid-base equilibrium in sick children, particularly infants; 11. perform supervised medical procedures such as: application of drip infusion, and injections; 12. participate in multi-specialist consultations; 13. demonstrate a professional and diligent approach to the entrusted tasks. <p>Basic skills: student:</p> <ol style="list-style-type: none"> 1. observes the aseptic and antiseptics principles, and cares for outward appearance (e.g. name tag, clean and pressed lab coat, change of footwear); 2. In medical history taking: collects information on ailments and general complaints, collects medical history, family medical history. In physical examination: carries out detailed physical examination, general health assessment, assessment of somatic and psychophysical development; 3. recognizes causes of basic illnesses, differentiates basic symptoms of the most common illnesses; 4. differentiates basic disease classifications, with particular emphasis on emergencies. Is capable of assessing basic life threatening conditions in pediatrics; 5. assesses child's nutrition and hydration status, knows recommendations for hydration treatment. Proposes treatment and diet plan for the pediatric patient; 6. offers early and final diagnoses; 7. monitors and analyses the following results: blood pressure, pulse, temperature; 8. monitors vital signs (cardiac monitor, oximeter, blood glucose); 9. is familiar with: vaccination schedule, rules in well-child checkups, basic infectious diseases in children, basic metabolic diseases in children. <p>Basic diagnostic skills: student:</p> <ol style="list-style-type: none"> 1. orders, plans and analyzes the course of diagnostic tests: medical imaging, laboratory tests: electrocardiography, pathomorphologic tests etc. Student tries to interpret test results; 2. is familiar with the principles of collecting and securing diagnostic material (blood, urine, fluids, stomach/duodenal matter, smears); 3. is familiar with the principles and indications for injections and needle insertions, and performs them; 4. orders and carries out basic procedures and treatments (oxygen therapy, endotracheal intubation, urinary catheterization, enema/lower gastrointestinal series); 5. participates in: transfusion of blood products, administers medicines/fluids via intravenous therapy. <p>Social skills and commitment: student:</p> <ol style="list-style-type: none"> 1. is punctual and dedicated; 2. carries out the tasks with diligence; 3. uses medical terminology competently; 4. presents and discusses cases; 5. establishes rapport with patients and their families, as well as the ward staff members; 6. efficiently manages his/her work; 7. shows empathy and observes the code of ethics. 	U1, U2, U3, U4, K1, K2, K3, K4, K5	professional practice
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Course advanced

Teaching methods:

practical classes

Activities	Examination methods	Credit conditions
professional practice	booklet of practice	The preceptor is responsible for fulfillment of clerkship outline and grants credit to student by filling out the Certificate of Summer Clerkship Completion (provided by the JU MC SME). The student is obliged to keep record of all performed procedures and acquired skills in the List of Approved Procedures booklet.

Entry requirements

Completing pediatric course included in the fourth year of the study

Literature

Obligatory

1. Nelson Essentials of Pediatrics –Karen J. Marcante, Robert M. Kliegman; Elsevier; 8 edition (April 12, 2013)

Optional

1. 5-Minute Pediatric Consult - Michael D. Cabana; Wolters Kluwer 2014; 8th ed. Edition
2. Pediatric Clinical Skills. R.B Goldbloom. Elsevier, 2011

Standard effects

Code	Content
O.K1	to establish and maintain deep and respectful contact with patients and to show understanding for differences in world views and cultures
O.K2	to be guided by the well-being of a patient
O.K3	respect medical confidentiality and patients' rights
O.K8	formulate conclusions from own measurements or observations
O.K9	implement 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
O.U1	identify medical problems and prioritize medical management
O.U2	identify life-threatening conditions that require immediate medical intervention
O.U3	plan the diagnostic procedure and interpret its results
O.U7	communicate with the patient and his family in an atmosphere of trust, taking into account the needs of the patient