



# SUMMER CLERKSHIP OVERVIEW

PROGRAM OF STUDY	YEAR	FIELD OF CLERKSHIP
MD program for High School graduates	4	<b>PEDIATRICS &amp; SURGERY with EMERGENCY MEDICINE (option B)</b>
<b>LOCATION</b>	Pediatric Ward Ambulance Service / Emergency Unit / ICU/SICU/EICU/ Surgical Ward (respectively)	
<b>DURATION</b>	<b>4 weeks (2 + 2), 120 h (60 h + 60 h including at least 12 h of Emergency Medicine)</b> (5 days/week, 6 h/day); can be completed over summer vacation months only (July - September). During that time, student must complete <b>four on-call duties</b> between 2 pm and 8 pm (two at each of the wards). Active interns are excused from presence in the obligatory activities before 2 pm on the on-call day. Excused <b>absence</b> can be granted to the active intern only on submitting formal medical certificate. Illness longer than one week causes internship to be lengthened by the time of absence.	
<b>SUPERVISION</b>	Head of the respective Ward / Department or a preceptor assigned by him/her determines scope of responsibilities and the clerkship schedule, and oversees the student's work. The preceptor should be a physician with adequate general and professional competence. If possible, student should perform all medical activities under supervision of the preceptor.	
<b>CREDITING</b>	The preceptor is responsible for fulfillment of clerkship outline and grants credit to student by filling out the JU MC SME <b>Certificate of Summer Clerkship Completion</b> . The student is obliged to keep record of all performed procedures and acquired skills in the <b>List of Approved Procedures</b> booklet.	
<b>PROGRAM OF CLERKSHIP</b>	<p>During the clerkship, the student should:</p> <p><b>In the PEDIATRIC part:</b></p> <ol style="list-style-type: none"> <li>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);</li> <li>learn sanitary and epidemiological regulations at neonatal and pediatric wards, and the methods of preventing hospital infections;</li> <li>participate in morning rounds and learn principles of patient record keeping; participate in the training courses held by the ward;</li> <li>practice assessment of a child's condition and psycho-physical development; improve pediatric physical examination skills;</li> <li>learn infant care; learn about nutrition of healthy and sick infants and children;</li> <li>learn principles of pediatric emergency medicine;</li> <li>practice diagnosing and differentiation of basic disease entities, with special consideration to acute cases;</li> <li>practice interpretation of laboratory, radiological and pathomorphological test and examination results;</li> <li>practice assessment of infants' hydration status and determining indications for hydration treatment (amount and composition of the infusion fluid);</li> <li>practice assessment of acid-base equilibrium in sick children, particularly infants;</li> <li>perform supervised medical procedures such as: application of drip infusion, and injections;</li> <li>participate in multi-specialist consultations;</li> <li>demonstrate a professional and diligent approach to the entrusted tasks.</li> </ol> <p><b>Basic skills: student:</b></p> <ol style="list-style-type: none"> <li>observes the aseptic and antiseptics principles, and cares for outward appearance (e.g. name tag, clean and pressed lab coat, change of footwear);</li> <li>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;</li> <li>recognizes causes of basic illnesses, differentiates basic symptoms of the most common illnesses;</li> <li>differentiates basic disease classifications, with particular emphasis on emergencies. Is capable of assessing basic life threatening conditions in pediatrics;</li> <li>assesses child's nutrition and hydration status, knows recommendations for hydration treatment. Proposes treatment and diet plan for the pediatric patient;</li> <li>offers early and final diagnoses;</li> <li>monitors and analyses the following results: blood pressure, pulse, temperature;</li> <li>monitors vital signs (cardiac monitor, oximeter, blood glucose);</li> <li>is familiar with: vaccination schedule, rules in well-child checkups, basic infectious diseases in children, basic metabolic diseases in children).</li> </ol> <p><b>Basic diagnostic skills: student:</b></p> <ol style="list-style-type: none"> <li>orders, plans and analyzes the course of diagnostic tests: medical imaging, laboratory tests: electrocardiography, pathomorphologic tests etc. Student tries to interpret test results;</li> <li>is familiar with the principles of collecting and securing diagnostic material (blood, urine, fluids, stomach/duodenal matter, smears);</li> <li>is familiar with the principles and indications for injections and needle insertions, and performs them;</li> <li>orders and carries out basic procedures and treatments (oxygen therapy, endotracheal intubation, urinary catheterization, enema/lower gastrointestinal series);</li> <li>participates in: transfusion of blood products, administers medicines/fluids via intravenous therapy.</li> </ol> <p><b>Social skills and commitment: student:</b></p> <ol style="list-style-type: none"> <li>is punctual and dedicated;</li> <li>carries out the tasks with diligence;</li> <li>uses medical terminology competently;</li> <li>presents and discusses cases;</li> <li>establishes rapport with patients and their families, as well as the ward staff members;</li> <li>efficiently manages his/her work;</li> <li>shows empathy and observes the code of ethics.</li> </ol> <p><b>In the SURGERY part:</b></p> <ol style="list-style-type: none"> <li>get acquainted with organization of surgical ward (admission room, operating theatre, wound dressing rooms, principles of admission, medical records keeping and discharge procedures);</li> <li>become familiar with types of surgical tools and apparatuses used in a surgical ward;</li> <li>develop medical examination and diagnostic skills, particularly in emergencies;</li> <li>learn wound sewing and dressing, procedures applied in case of fractures and burns;</li> <li>learn principles and methods of local anesthesia;</li> <li>participate in rounds and morning reports prepared by on-call physicians;</li> <li>actively participate in the ward operation, performing basic procedures, change of dressings, suture removal, application of infusion drips, collecting specimens for diagnostic tests;</li> <li>learn principles of aseptics and antiseptics, as well as pre-surgical scrubbing techniques;</li> <li>participate in performing surgeries in an operating theatre.</li> </ol> <p><b>In the EMERGENCY MEDICINE part:</b></p> <ol style="list-style-type: none"> <li>become acquainted with the scope of duties of an Emergency Unit;</li> <li>assist in giving first aid to patients;</li> <li>serve as paramedics on general medical aid, resuscitation, accident, pediatric, and gynecological-obstetrical ambulance crews;</li> <li>learn procedures used in life-threatening conditions.</li> </ol>	