

Higher education module program

Faculty name	Faculty of Medicine Jagiellonian University Medical College
Unit conducting the module	
Module name	Emergency Medicine – clinical training
Language	English
Educational goals	The aim of the module is - to learn practical skills within the field of emergency medicine - to systematise acquired knowledge - to prepare a student to work autonomously
Objectives of education in the module	In the frame of knowledge, a graduate: F.W1. knows and understands the causes, symptoms, principles of diagnosing and therapeutic management in relation to most common diseases requiring surgical intervention, with consideration to differences associated with young age, including, in particular bone fractures and organ injuries F.W14. knows and understands the causes, symptoms, principles of diagnosing and therapeutic procedures in relation to most common disorders of the central nervous system, in the scope of: a) brain swelling and its consequences, with special consideration of emergencies b) other manifestations of intracranial pressure and their consequences c) craniocerebral injuries In the frame of skills, a graduate: D.U6. can carry out conversation with an adult patient, a child, family, applying the technique of active listening and empathy, and discuss with a patient his or her life situation D.U7. can inform a patient of the purpose, course and possible risk associated with the proposed diagnostic or therapeutic procedures and obtain the patient's informed consent D.U13. can communicate with team members, offering constructive feedback and support E.U1. carries out history taking in an adult patient E.U2. carries out history taking in a child and his/her family + establishing ancestry E.U3. performs complete and organ-system specific physical examination of adult patient E.U4. performs physical examination of a child of any age E.U7. assesses patient's general condition, level of consciousness and orientation E.U12. performs differential diagnostics of most common diseases in adults and children E.U14. identifies life-threatening conditions E.U15. identifies conditions after alcohol, drug and other stimulant abuse E.U24. interprets laboratory tests and identifies causes of abnormalities E.U28. can collect specimens to be used for laboratory diagnostics E.U29. can perform basic medical procedures, including: a) temperature, pulse rate and noninvasive arterial pressure measurements b) vital signs monitoring using a cardiomonitor, pulsoxymetry c) oxygen therapy, assisted ventilation and intubation d) introduction of endotracheal tube e) intravenous, intramuscular and subcutaneous injections, cannulation of peripheral veins, collecting of peripheral venous blood, collecting arterial blood h) standard ECG at rest with interpretation, electric cardioversion and defibrillation i) simple strip tests and blood glucose measurements E.U32. can plan specialist consultations E.U36. can apply adequate procedures in case of trauma (dressing or immobilization, wound debridement and suturing) E.U38. can keep medical patient record F.U10. carries out basic resuscitation procedures with the use of automatic external defibrillator and other emergency procedures, provides first aid F.U11. acts in accordance with the current advanced life support algorithm

	<p>a) can unblock airways without and with special equipment</p> <p>b) can carry out ventilation with the self-expanding bag with a with full mask</p> <p>c) can safely use a manual defibrillator</p> <p>F.U21. assesses the condition of unconscious patient, in accordance with the current international scale score</p> <p>F.U22. identifies symptoms of growing intracranial pressure</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>
Type of a training module (mandatory/optional)	Mandatory
Year of studies	6
Semester	11, 12
Type of studies	full-time long-cycle
Name and surname of the module coordinator or the person/people conducting the module	
Name and surname of the person/people examining or giving credit in the case this is not the person conducting a given module	
Type of classes	Clinical practicals
Preliminary and additional requirements	Credits for Emergency Medicine 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 - 60 hours</p> <p>2 weeks</p>
Number of ECTS score for the module	4 points
ECTS credit allocation	<p>Attendance in mandatory classes - 60 hours</p> <p>Preparation to practicals - 30 hours</p> <p>Preparation for the final exam - 20 hours</p> <p>Total 110 hours of student's work</p>
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 in a given module	<p>Module passing requires fulfilling the following conditions:</p> <ol style="list-style-type: none"> 1. attendance in classes 2. active participation in classes 3. passing the final exam
Training module content (with the division into teaching methods)	<p>Clinical classes - Practical occupational learning - 60 hours</p> <p>Students are assigned to one hospital emergency ward (SOR) for 2 weeks. Student's duties are participation in all activities in A&E ward and carrying out medical procedures according to the list and principles written in the book called "List of Approved Procedures "</p>
Basic and supplementary reading, necessary to get a credit of a given module	