
Course title: EMERGENCY MEDICINE 2/2

ECTS credit allocation (and other scores):

Semester: spring

Level of study: ISCED-7 - second-cycle programmes (EQF-7)

Branch of science: Medical and health sciences

Language: English

Number of hours per semester: 60

Course coordinator/ Department and e-mail: Rakesh Jalali MD, PhD, /Department of Emergency Medicine/
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Type of classes: classes

Substantive content

CLASSES: 1. A patient with a multi-organ trauma. Proceedings in the Hospital Emergency Department. The role of the Trauma Center in the care of the injured with multiple injuries. 2. Non-orthopedic dangers. Improving the ability to examine patients with isolated injuries, X-ray analysis and supplying fractures and dislocations. P-pain treatment. 3. Stomach pain. Bleeding to the gastrointestinal tract. Abdominal aortic aneurysm. Peritonitis. Diagnosis and proceedings in ER. 4. Emergency in neurology. Patient with consciousness disorders. Loss of consciousness - diagnostics in ER. Stroke Headaches - differential diagnosis (SAH), p-pain treatments in ER. 5. Respiratory disorders. Acute respiratory failure. Indications for respiratorotherapy. Non-invasive ventilation and its application in PPR. Exercising the skills of supplying the lower respiratory tract. 6. Acute poisoning - diagnostic possibilities in SOR, conduct. Cholinergic, cholinergic, sympathomimetic toxicology. 7. Emergency conditions in children. Breathing disorders. Fainting diagnostics. Seizures. Child fever - diagnosis and procedure. 8. Child abuse. Preliminary diagnosis and supply of fractures in ER. 9. ALS - sudden cardiac arrest. Special situations Anaphylactic shock. Hypothermia. Electrolyte disturbances. Flooding. Reversible causes of cardiac arrest. 10. Patient safety.

LECTURES: -

Learning purpose: To learn skilful and proper care of patients in emergencies. To learn the teamwork, decision making and how to work in stress and critical situations.

On completion of the study programme the graduate will gain:

Knowledge: causes, symptoms, principles of diagnostic and therapeutic procedures

for the most common diseases requiring surgical intervention, both adults and children, in particular:

1) acute and chronic abdominal diseases, 2) chest diseases, 3) limb and head diseases, 4) bone fractures and organ injuries; He knows the current guidelines for cardiopulmonary resuscitation of newborns, children and adults, He possesses knowledge in the field of currently used imaging research, in particular he knows: radiological symptomatology of basic diseases, instrumental methods and imaging techniques used to perform therapeutic procedures, indications and contraindications, and preparation of patients for particular types of imaging examinations and contraindications to the use of catastrophic agents

Skills: Evaluates the condition of unconscious patients and determines according to the international scales in force dotted, Evaluates the result of a radiological examination in the most common types of long bone fractures, Performs deadly immobilization of the limbs, chooses the kind of immobilization of the limb for use in typical clinical situations and controls the correctness of blood supply to the limb after the insertion of the immobilizing dressing. Recognizes the symptoms of increasing intracranial pressure

Social Competencies: He is aware of his own limitations and the ability to constantly improve his skills. Guided by the good of the patient putting them in the first place.

Basic literature: ERC GUIDELINES 2015", Tintinalli's Emergency Medicine, Tintinalli J.

Supplementary literature:

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 60

Student's independent work: 35