

Basic Principles of Emergency and Critical Care

5th year, winter

Lectures:

Extent of teaching: 9 h

1. Emergency and critical care - approach to a critically ill patient (ABCD...)
2. Dyspnoea – definition, causes, diff. diagnosis, initial approach, choice of airway, initiation of mechanical ventilation, initial setting
3. Circulatory failure – shock, shock models, diagnostic approach, interventions – fluids, catecholamines, inotropes, practical targets
4. Coma – aetiology, diagnostic approach, initial interventions, sedation outside operating theatre or ICU
5. Life threatening infections – clinical manifestation, sepsis, practical approach
6. Multiple trauma – aetiology, priorities, trauma protocol, life threatening bleeding
7. Traumatic brain injury – initial approach, multimodal monitoring, brain death, organ donation
8. Infusion therapy – basic requirements, correction of fluid deficits, common mineral disorders, nutritional support initiation, algorithm, complications
9. Poisoning, selected interactive cases

Workshops:

Extent of teaching: 6h

1. Simulation cases – 3 hours
2. Simulation cases – 3 hours

Literature:

Obligatory:

1. Presentations in Moodle

Recommended:

1. Anesthesia and Intensive Care Courses for Medical students <http://atimures.ro/wp-content/uploads/2012/09/Anesthesia-and-Intensive-Care-courses-for-medical-students.pdf>

Credit:

Active participation at 80% of workshops and lectures