

CLINICAL ROTATIONS – ANESTHESIOLOGY, REANIMATOLOGY AND INTENSIVE CARE MEDICINE

The courses of Clinical Rotations for anesthesiology, reanimatology and intensive care medicine are held at 2 locations of the University Hospital Split – Firule. At each location the emergency anesthesia service is available 24 hours a day and 7 days a week.

1. ANESTHESIOLOGY SERVICE AT THE SURGICAL EMERGENCY DEPARTMENT (Firule)

- Organization structure: daily on duty 2 staff anesthesiologist and 1 resident

- **Expected clinical events for students of Clinical Rotations:**
 - Polytrauma
 - Hypovolemic shock, neurogenic shock, respiratory failure, comatose patient
 - Neurosurgery emergencies (traumatic brain injury) & anesthesia for emergency neurosurgery
 - Pediatric anesthesia emergencies (emergent surgery – fractures, acute abdomen, emergency interventions in newborns - esophageal atresia, a congenital diaphragmatic hernia, etc.)
 - Anesthesia for ENT Surgery (foreign bodies - esophagoscopy, bronchoscopy, maxillofacial injuries, epistaxis, etc.)
 - Accompanying a polytraumatized patient to diagnostic tests (Radiography, Ultrasound, CT)
 - Accompanying a polytraumatized patient to the ICU
 - Other
 - Cardiopulmonary reanimation (CPR)
 - Short intravenous anesthetics (for incisions, drainage, etc.)
 - Pre-anesthetic evaluation of an urgent patient
 - The recognition and treatment of potential problems (anaphylaxis, post transfusion reactions, etc.)

- **The expected student interventions**
 - ⇒ Participation in the triage of emergency patients
 - ⇒ Establishment of an peripheral intravenous route
 - ⇒ Preparing and administration of infusion solutions
 - ⇒ Help with administering blood and blood products
 - ⇒ Accompanying a polytrauma patient
 - ⇒ Participating in the airway establishment procedures
 - ⇒ Actively participating in CPR
 - ⇒ Introducing the basis of non-invasive and invasive monitoring

2. ICU (general + cardiac surgery ICU), Firule, ground floor

- Organization structure: daily on duty 2 staff anesthesiologist

- **Expected clinical events for students of Clinical Rotations:**
 - Critical care of polytrauma patients
 - Critical care of cardiac surgery patients
 - Critical care of traumatic brain injury patients
 - Complicated surgical patients
 - Severe sepsis, septic shock
 - Respiratory failure and mechanical ventilation
 - Brain death; preparing patients for organ donation

- **The expected student interventions**
 - ⇒ Introduction to the relevant scores to monitor critically ill patients (SAPS, Apache, etc)
 - ⇒ Record keeping
 - ⇒ Introduction to the basis of mechanical ventilation, familiarization with techniques of establishing and maintaining airway
 - ⇒ Assisting with percutaneous tracheotomy procedures
 - ⇒ Introduction to the basics of pharmacology in ICU: antibiotics, vasoactive drugs (epinephrine, norepinephrine, dobutamine), sedatives, analgesics,
 - ⇒ Assisting in central venous approach
 - ⇒ CPR including electrical therapies (defibrillation, cardioversion)
 - ⇒ Introduction to the basics of non-invasive and invasive monitoring in ICU
 - ⇒ Arterial puncture, acid-base balance, interpretation of results
 - ⇒ Participating in the brain death diagnostics (clinical and paraclinical tests)
 - ⇒ Participating in the nutrition of the critically ill

Teacher in charge for Anesthesiology Clinical Rotations*
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*In case of inability to establish contact (absence, vacation, being free after duty, etc) the students are advised to contact the office of the Department of the Anesthesiology and Intensive Care (ground floor, Firule, tel. + 385 (0)21 556180)