



Comenius University Bratislava
Jessenius Faculty of Medicine in Martin



CLINIC OF ANESTHESIOLOGY AND INTENSIVE MEDICINE

Anesthesiology and Intensive Care Medicine
Practics syllabus, 5th year, Summer semester 2026

Revision 01/2026

1. **General anesthesia** – patient safety, monitoring during general anesthesia, types of general anesthesia, basic drugs used during general anesthesia, methods of airway management
2. **Regional anesthesia** – types of regional anesthesia, local anesthetics, adverse effects and toxicity of local anesthetics – recognition and treatment, use of ultrasound in regional anesthesia
3. **Preoperative patient preparation**, preoperative and anesthesiological assessment, premedication, ASA classification
4. **Respiratory failure**, oxygen therapy, HFNO, invasive and non-invasive mechanical ventilation, basic monitoring of mechanical ventilation parameters
5. **Selected types of shock** – diagnosis and treatment: life-threatening bleeding (massive transfusion protocol), cardiogenic shock – basics of hemodynamic monitoring, vasoactive and inotropic agents
6. **Sepsis, MODS, SIRS**
7. **Simulation of acute emergencies in anesthesiology and intensive care medicine**