



Comenius University Bratislava

Jessenius Faculty of Medicine in Martin
CLINIC OF ANESTHESIOLOGY AND INTENSIVE MEDICINE
Univerzitná nemocnica Martin, Malá Hora 4A, Martin 036 01



Anesthesiology and Intensive Care Medicine

Lecture syllabus, 5th year, JLF UK

Revision 01/2026, Summer semester 2026

1. Anesthesiology as a medical discipline, anesthesia safety, monitoring during anesthesia
2. Medications used during anesthesia
3. General anesthesia
4. Regional anesthesia
5. Pain – anatomy, pathways, types, causes, assessment scales, treatment
6. Anesthesia for specific patient groups – anesthesia in neonates and pediatric patients, anesthesia in geriatric patients, anesthesia in neurosurgery, thoracic surgery, gynecology and obstetrics, oral and maxillofacial surgery, ENT
7. Respiratory failure and ARDS
8. Mechanical ventilation
9. Cardiovascular failure. Pharmacological treatment and mechanical support of circulatory failure
10. Sepsis and multiorgan failure, basics of antibiotic therapy in intensive care medicine
11. Neurointensive care
12. Acute renal failure, disorders of water and sodium metabolism, renal replacement therapies
13. Brain death and the donor program
14. Metabolic disorders and nutrition in intensive care medicine