

Anaesthesiology and Intensive Medicine

The lectures you can find in MS Teams, in the Files, folder Lectures AIM_SS 2025

Team code in MS Teams: xv65zn

Study program: 5. GM

Summer term 2025

<i>Lecture thesis</i>	
1.	Cardiopulmonary resuscitation (Lecturer: Vladimír Hudák, MD., PhD.)
2.	What is emergency medicine (Lecturer: Vladimír Hudák, MD. PhD.)
3.	Parenteral & Enteral Nutrition. Acid-Base Balance & Fluids Disturbances. (Lecturer: Vladimír Hudák, MD. PhD.)
4.	Acute Poisoning - First Aid, Elimination methods. Acute Kidney Injury, Renal Replacement Therapy. Specificity of Paediatric Anaesthesia. Specificity of Obstetric Anaesthesia, Analgesia (Lecturer: Jozef Firment, MD. PhD.)
5.	General anaesthesia. Inhalational Anaesthesia, Intravenous Anaesthesia, Sedation Post-Anaesthesia Care in Recovery Room (Lecturer: Jozef Firment, MD. PhD.)
6.	Regional anaesthesia. Neuraxial Technics of Regional Anaesthesia. Peripheral Neural Blocks. Local Anaesthetics Pharmacology, Toxic Reaction Treatment. Anaesthesia for Day-Case Surgery. Acute & Chronic Pain Treatment (Lecturer: Jozef Firment, MD. PhD.)
7.	Patient Monitoring During Anaesthesia & ICU Vascular Accesses, Indications, Complication, CVP measurement (Lecturer: Jozef Firment, MD. PhD.)
8.	Comatose Patient Care. Traumatic Brain Injury. Brain Oedema, Management of Intracranial Pressure Brain Death. Organ Donation. Transplant Programme. Differential Diagnosis of Coma & Qualitative Cerebral Functions Disturbances (Lecturer: Jozef Firment, MD. PhD.)
9.	Anaesthesia in Trauma Injuries. Patient Management with Multiple Injuries. Specificity of Cardiac anaesthesia Cardiovascular & Respiratory Complications in General Anaesthesia (Lecturer: Jozef Firment, MD. PhD.)
10.	Shock – Pathophysiology & Principals of Treatment Cardiogenic Shock. Acute Myocardial Infarction. Hypovolemic Shock. Life-threatening Haemorrhage. Haemorrhagic Shock. Obstructive Shock. Pneumothorax. (Lecturer: Jozef Firment, MD. PhD.)
11.	Pre-anaesthetic Evaluation & Preparation before Anaesthesia Premedication. Risk of Anaesthesia, Anaesthetic Chart (Lecturer: Jozef Firment, MD. PhD.)
11.	Distributive Shock. Anaphylactic Shock. Systemic Inflammatory Response Syndrome, Sepsis, Septic Shock. Multiorgan failure (Lecturer: Jozef Firment, MD. PhD.)
13.	Oxygen Therapy & Inspiratory Gas Preparation Acute Respiratory Insufficiency, Principles of artificial Lung Ventilation Acute Respiratory Distress Syndrome. (Lecturer: Jozef Firment, MD. PhD.)
14.	Introduction to A&IM. Remarkable Moments from History of A&ICM. Indications for Admission to ICU. Vital Function Failure. Airway management. (Lecturer: Jozef Firment, MD. PhD.)