

CONTENT OF THE SUBJECT

Subject:	Anaesthesiology and Intensive Medicine		
Study	<i>General Medicine</i>	Study Period:	<i>Sumer time</i>
Evaluation:	<i>Exam</i>	Subject Type:	<i>Compulsory</i>
Content:	<i>2 h. lectures 2 h. practical exercises / week</i>		<i>Total 56 hours</i>

Department: **1st Department of Anaesthesiology and Intensive Medicine UPJŠ FM**

Week	Lectures https://portal.lf.upjs.sk/index-en.php	Seminars
1.	Introduction to Anaesthesiology and Resuscitation. History. Organizational rules. Airway management	Monitoring in acute and critical care medicine
2.	Risk of anaesthesia. General preoperative preparation. Patients preparation for anaesthesia with the most frequent co-existing diseases	Cardiopulmonary resuscitation: basic life support - training
3.	General anaesthesia. Definition and classification. Medicaments, Instruments and equipment used in general anaesthesia	Cardiopulmonary resuscitation: advanced life support- training
4.	Regional anaesthesia. Medicaments, Instruments and equipment used in regional anaesthesia	Airways obstruction and management: supraglottal devices, intubation
5.	Monitoring in Anaesthesiology and ICU	Oxygenation and oxygen therapy. Mechanical ventilation
6.	Misbalance of water and electrolytes. Basic of infusion therapy. Artificial nutrition. Enteral and parenteral	Cardiac anesthesia, hemodynamic monitoring, cardiogenic shock
7.	Cardiopulmonary resuscitation. Coma. Head injury	Principles of fluid therapy
8.	Respiratory failure. Oxygen therapy. Artificial ventilation. Indications	Enteral and parenteral nutrition
9.	Acute poisoning. First aid and therapy. General and specific treatment of intoxications	Acute respiratory distress syndrome. Respiratory emergencies
10.	Algesiologia – acute and chronic pain treatment. Instructions for exam organization. Transplant program. Brain death, taking care about organ donors	Neurological emergencies: cerebrovascular accidents. Head injury

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11.	Anaesthetic methods in different surgical procedures. Postoperative pain management	Anesthesia induction and maintenance, recovery room
12.	Severe sepsis. Shock. Multiorgan failure	Hospital-acquired (nosocomial) pneumonia
13	What is emergency medicine	Test
14.	Shock: hypovolemic, cardiogenic, obstructive, distributive	Practical exam