

CONTENT OF THE SUBJECT

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| Subject: | Anaesthesiology | | |
| Study | <i>Dental Medicine</i> | Study Period: | <i>Winter time</i> |
| Evaluation: | <i>Exam</i> | Subject Type: | <i>Compulsory</i> |
| Content: | <i>1 h. lectures 1 h. practical exercises / week</i> | | <i>Total 28 hours</i> |

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

| Week | Lectures https://portal.lf.upjs.sk/index-en.php | Seminars |
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| 1. | Basal algorithms in emergency medicine | Monitoring in acute and critical care medicine. Cardiopulmonary resuscitation: basic life support - training |
| 2. | Introduction to Anaesthesiology & Resuscitation. General preoperative preparation. Regional anaesthesia. Medicaments, instruments and equipment used in regional anaesthesia. | Cardiopulmonary resuscitation: advanced life support- training. Airways obstruction and management: supraglottal devices, intubation. |
| 3. | Acute and chronic pain management | Oxygenation and oxygen therapy. Mechanical ventilation. Hemodynamic monitoring, cardiogenic shock |
| 4. | Cardiopulmonary resuscitation. Anaesthesia in Dental Medicine | Principles of fluid therapy. Enteral and parenteral nutrition |
| 5. | Regional anaesthesia. Medicaments, instruments and equipment used in regional anaesthesia | Acute respiratory distress syndrome. Respiratory emergencies |
| 6. | General anaesthesia. Definition and classification. Medicaments, instruments, equipment and monitoring used in general anaesthesia. Laughing gas. Post-anaesthesia care | Neurological emergencies: cerebrovascular accidents. Head injury |
| 7. | Artificial nutrition. Enteral and parenteral. Basics of infusion therapy. SIRS, Severe sepsis. Shock. Multiorgan failure | Anesthesia induction and maintenance, recovery room |