

**TOPICAL PLAN OF PRACTICAL CLASSES
ANESTHESIOLOGY AND CRITICAL CARE**

Autumn

4th year foreign students faculty

№	Topic	Hrs
1	Pain definition, anatomy and physiology. Methods of objective control in anesthesiology and critical care. Monitoring – levels and types. Indications for hospitalization into critical care unit	6
2	Inhalatory anesthetics: sevoflurane, isoflurane, desflurane, nitrous oxide, xenon	6
3	Non-inhalatory anesthetics: propofol, thiopental, ketamine, etomidate. Benzodiazepines. Opioid and non-opioid analgetics. Muscular relaxants	6
4	General anesthesia. Components of general anesthesia. Stages by Gwedel. Periods of general anesthesia (induction, formation, maintenance, emergence). Premedication	6
5	Local anesthesia. Clinical pharmacology of local anesthetics. Types of local anesthesia. Indications and contraindications. Complications	6
6	Critical care in early postoperative period. Water-electrolyte and acid-base disorders. Parenteral nutrition. Expedited recovery after surgery concept (fast-track/ERAS)	6
Total:		36

Spring

№	Tema	Hours
1	Terminal conditions. Cardio-pulmonary and cerebral resuscitation	5
2	Shock	5
3	Acute respiratory failure	5
4	Sepsis	5
5	Acute cerebral disorders	5
5	Basics of clinical toxicology	5
Total		30

LECTURES

№	Topic	Hrs
1	General anesthesia	2
2	Shock	2
3	Acute respiratory failure	2
4	Sepsis	2
5	Extracorporeal detoxification	2
Total:		10