

PRACTICAL TRAINING PLAN*

THEMES OF EDUCATIONAL DAYS OF PRACTICAL CLASSES ON DISCIPLINE ANESTHESIOLOGY-REANIMATOLOGY

(Medical faculty of foreign students)

Topics for study days	Lesson time (hour)
Topic 1. Nociception, acute and chronic pain, pain syndrome	4
a) the concept of nociception, receptors, conductive system	
b) the modern concept of pain.	
- classification of pain syndromes	
- etiology, pathogenesis and pathways of pain sensitivity	
c) Principles of treatment of acute pain.	
- antinociceptive system	
- possible ways to block pain sensitivity.	
- methods for assessing the severity of pain.	
d) Pharmacological agents used to relieve pain.	
- narcotic analgesics	
- non-narcotic analgesics.	
Topic 2. Basics of modern anesthesiology	4
a) Terminology issues, goals and objectives of anesthesia.	
b) Classification of modern methods of anesthesia.	
c) Stages and clinic of anesthesia.	
d) Components of General Anesthesia.	
Topic 3. General issues of resuscitation	4
a) Etiology, pathogenesis and types of cessation of cardiac activity.	
b) Etiology, pathogenesis and types of cessation of respiratory activity.	
c) Clinical death	
d) Methods of recovery.	
- indications and stages of CPR	
- base CPR	
- extended CPR	
- features of CPR in children	
- forecast after CPR	

- postresuscitation disease	
e) Regulatory Documents (International Recommendations)	
Topic 4. Acute respiratory failure	4
a) Acute respiratory failure of central genesis.	
b) Acute respiratory failure with airway obstruction	
- laryngospasm	
- asthmatic conditions	
- asthmatic status	
- cardiac asthma	
- pulmonary embolism	
- pneumothorax	
- pneumonia complicated by ARF	
- acute respiratory distress syndrome	
Topic 5. Emergency conditions in diseases of the cardiovascular system	4
a) Sudden cardiac death	
b) Acute coronary syndrome.	
c) Myocardial infarction - principles of treatment of acute myocardial infarction	
d) Complications of acute myocardial infarction	
- acute heart failure	
- myocardial breaks	
- heart rhythm and conduction disorder	
e) Complicated hypertensive crisis.	
Topic 6. Shock States (Shock)	4
a) The main parameters of hemodynamics and methods of their control in shock conditions.	
b) Shock classification.	
c) Clinic of shock conditions.	
d) Principles of treatment of certain types of shock.	
- principles of treatment of hypovolemic shock	
- principles of treatment of septic shock	
- treatment guidelines for anaphylactic shock	
- principles of cardiogenic shock treatment	
Topic 7. Infusion-transfusion therapy and acute blood loss	4
a) Infusion-transfusion therapy	

- indications, contraindications, complications;	
- crystalloid solutions;	
- colloidal solutions;	
- blood products.	
b) Acute blood loss.	
- pathogenesis;	
- clinic;	
- treatment.	
Theme 8. Acute impairment of consciousness	4
a) Quality syndromes of impaired consciousness.	
b) Consciousness syndromes requiring emergency care.	
c) Assessment of the level of consciousness and the overall examination of the patient.	
d) Systematization of types of loss of consciousness.	
e) General guidelines for emergency care.	
f) Emergency aid for loss of consciousness	
Theme 9. Protection of the presentation (abstract) on selected topic	2
Topic 10. Cardiopulmonary resuscitation	6
a) practical development of cardiopulmonary resuscitation techniques;	(4)
b) credit cardiopulmonary resuscitation (basic level)	(2)
Total study days - 10	40

*** For performance and credit in addition to work in the classroom:**

- Evaluation of «KCP» (**self-study control**) - 2 hours of “general” and 2 hours of “**credit**” (4 hours in total) during the course of conducting classes;
- Each student places his **essay** in the “pdf” file in the University Information System (personal account)
- Each student passes the entrance and **final testing** in the University Information System (personal account)