

## **Requirements to preparation of the student upon termination of discipline studying**

### **The student should know:**

- antiseptics bases, the basic classes of preparations for prophylaxis and treatment of wound infections;
- methods of disinfection and sterilisation of instruments, dressing materials, gloves, the basic ways of processing of hands at carrying out of surgical interventions;
- rules of preparation of a patient and operational field to operation;
- main types of surgical operations at a versatile surgical pathology;
- local and general signs of traumatic damages (mechanical traumas, thermal, chemical and radiation burns, frostbites);
- the general and local symptoms of bleedings, indications and contraindications for blood transfusion, its components and preparations, plasma-substituting solutions, complications at blood transfusion, their prophylaxis and treatment principles;
- bases of the general and local anaesthesia, resuscitation;
- principles of diagnosis, local and general treatment of a surgical infection;
- treatment of wounds in different phases of wound process course;

### **To be able:**

- to apply the basic and additional methods of examination to diagnosis and definition of surgical tactics;
- to process hands by preparation for surgical intervention and to dress sterile clothes;
- to prepare the patient and an operational field for elective and emergency operation;
- to make disinfection and presterilizing preparation of surgical instruments;
- to prepare a dressing material, to execute packing of sterilizer box;
- to make various types of local anaesthesia with use of modern anaesthetics;
- to apply bandages of various types and kinds;
- to apply different methods of temporary hemostasis;
- to define group of blood of the patient, to prepare system for transfusion of donor blood, components, preparations of blood and plasma-substituted solutions, to spend tests on individual compatibility;
- to carry out technics of primary and secondary surgical debridement of wounds, openings of a subcutaneous phlegmon and abscess;
- to carry out artificial ventilation of lungs and the closed massage of heart;
- to carry out of transport immobilization.