

1. Asepsis, antisepsis, sterilization, disinfection
2. Principles of preoperative management of the patient
3. Examination methods in surgery - anamnesis, clinical examination, paraclinical examinations
4. Perioperative and postoperative management of the patient
5. Postoperative cardiovascular complications
6. Postoperative respiratory complications
7. Complications of operative wounds
8. Pressure ulcers
9. Basic types of operations, surgical access, types of anastomosis, operations with stoma creation
10. Acute abdomen, division
11. Postoperative infusion therapy, parenteral nutrition
12. Nutrition of surgical patient - enteral nutrition
13. Hypovolemic, hemorrhagic and cardiogenous shock
14. Distributory shock, sepsis
15. Hemostasis, surgical possibilities of hemostasis
16. Types of transfusion units, indications, contraindications of transfusions
17. Technique of transfusion administration
18. Posttransfusion reactions and complications
19. Principles of oncological surgery, diagnostics of the tumors, staging, grading, principles of operative treatment for malignancies
20. Examination methods in vascular surgery
21. Acute limb ischemia and therapeutic principles
22. Phlebothrombosis, thrombophlebitis, prevention, treatment, complications, postthrombotic syndrome
23. Examination methods in urology
24. Cysts and pseudocysts
25. Fistula

26. Transplantations
27. Inflammation, infection, principles of treatment, phlegmona
28. Erysipelas, erysipeloid
29. Panaritium, tendovaginitis osteomyelitis
30. Nosocomial infections
31. Overview of antibiotic prophylaxis and therapy in surgery
32. Local anesthesia
33. Punctions - venepunction, arterial puncture, introduction of caval catheter, lumbal puncture, paracentesis, Douglas cavity puncture, epicystostomy, pericardial puncture
34. Tracheostomy and coniotomy
35. Cathetrization of urinary bladder
36. Division and characteristics of the wounds
37. Surgical management of a wound
38. Healing of the wounds
39. Tetanus
40. Division of fractures, diagnostics of fractures
41. Principles of treatment of fractures, osteosynthesis
42. Failure of healing of fractures and late complications of fractures
43. Injuries of joints
44. Injuries of nerves
45. Injuries of blood vessels
46. Injuries with electrical current
47. Combustions, frost bites
48. Crush and blast syndrome
49. Injuries of thorax, pneumothorax, diagnostics, therapy
50. Abdominal injuries
51. Polytrauma

