

Comprehensive exam titles of general surgery

General surgery

1. Surgical infection (type and pathology)
2. Treatment of the surgical infections
3. Complications of the surgical infections
4. The hand infections (types, complications, treatment)
5. The skin infections
6. Osteomyelitis
7. Tetanus
8. Gas gangrene
9. Haemodynamic structure of the liver
10. The body's natural defense mechanisms in surgical infections (specific and non-specific defense)
11. Septic surgical complications
12. Prevention and treatment of septic surgical complications
13. Surgery for paronychia and paronychia
14. Inflammatory diseases of the lower limb, their surgical treatment
15. Inflammatory diseases of the joints (bursitis, acute pyogenic arthritis)
16. Bone marrow inflammation
17. Blood grouping technique, theoretical foundations, and indications for blood transfusion
18. Complications of blood transfusions and their treatment
19. Enteral and parenteral feeding
20. General principles and organization of organ transplantation
21. Forms of hemostasis
22. Mechanism and pathoetiology of malignant tumors
23. Manifestations and treatment of cancer prevention conditions
24. Treatment of the malignant tumors
25. Modern antibiotic treatment
26. Clinical significance of acid-base balance, possibilities of correction
27. Forms of unconsciousness, causes
28. Tissue unification devices and their application
29. Type of tissue separation methods
30. Diagnosis, prevention, and treatment of postoperative thromboembolism
31. The origins and development of surgery
32. Surgical aftercare
33. Blunt abdominal injuries
34. Rib fractures and their complications
35. Forms of bleeding, temporary and permanent hemostasis
36. Parenchymal organ failure as a surgical complication

Detailed surgery

1. Indications and contraindications of the kidney transplantation. immune-suppressive drugs.
2. Indications of the liver transplantations. Organ preservation.
3. Diagnosis of the breast diseases. Benign tumors and non-neoplastic disturbances.
4. Malignant disease of the breast (diagnosis and treatment).
5. Benign disease of the thyroid.
6. Malignant tumors of the thyroid.
7. Surgical implications of APUDs.
8. Symptoms and diagnosis of acute appendicitis, the technique of appendectomy.
9. Forms, causes and pathophysiological background of vomiting
10. Mechanical ileus, pathophysiology, symptomatology, tactics of treatment.

11. Pathophysiology of the paralytic ileus, diagnosis, principles of treatment
12. Forms, pathophysiology, diagnosis and treatment of bleeding in the oral gastrointestinal tract
13. Forms, pathophysiology, diagnosis and treatment of bleeding in the aboral gastrointestinal tract
14. Esophageal hiatal hernia, gastroesophageal reflux disease (GERD), its complications and treatment.
15. Benign tumors of the oesophagus.
16. Corrosive injury of the oesophagus: symptoms, treatment
17. Oesophageal perforation, causes and types of this condition, types of treatment.
18. Achalasia: pathophysiology, symptoms, treatment
19. Malignant tumors of the oesophagus (pathology, possibility of operability, surgical treatment).
20. Congenital and acquired lesions of the diaphragm (pathology, symptoms, diagnosis, therapy)
21. Principles of surgical treatment of chronic peptic gastroduodenal ulcer, surgical methods
22. Acute gastroduodenal ulceration: pathophysiology, symptoms, diagnosis and different types of treatment
23. Gastric cancer: symptoms, precancerous lesions, diagnostic methods and principles of surgical treatment.
24. Crohn- disease of the gastrointestinal tract. Pathophysiology, symptoms, treatment.
25. Appendicitis: sign, symptoms, diagnosis. Complications of appendicitis. Treatment of these conditions.
26. Ulcerative colitis: symptoms, pathophysiology, diagnosis, medical and surgical treatment
27. Benign tumors, diverticulosis and diverticulitis of the large bowel: pathophysiology, symptoms, complications, diagnosis, treatment.
28. Benign tumors of the large bowel.
29. Colon cancer: symptoms, pathophysiology diagnosis, surgical treatment
30. Rectal cancer: pathophysiology, symptoms, diagnosis, surgical and complex treatment
31. Haemorrhoidal nodes. Pathophysiology, symptoms, diagnosis, treatment.
32. Perianal abscess, fissura and fistula ani. Pathophysiology, symptoms, diagnosis, treatment
33. Benign and malignant focal diseases of the liver
34. Cholelithiasis, choledocholithiasis: signs, symptoms, diagnosis and treatment.
35. Mechanical icterus (disease origin, pathophysiological aspects, signs, symptoms, diagnostic tools, therapy)
36. Complications of the gallstones disease. Symptoms and signs, diagnosis, surgical treatment.
37. Malignant tumors of the bile ducts (pathological forms, symptoms, diagnostic tools, surgical treatment)
38. Etiology of portal hypertensions. Collateral circulation, its clinical importance, complications, treatment.
39. Acute pancreatitis, symptomatology, diagnosis, treatment. Complications of acute pancreatitis.
40. Chronic pancreatitis, symptomatology, diagnosis. Treatment of chronic pancreatitis.
41. Cancer of the pancreas
42. Indications for splenectomy and their pathophysiological background
43. The inguinal hernia (sign, symptoms, anatomy, diagnostics, surgical treatment)
44. The femoral hernia (sign, symptoms, anatomy, diagnostics, surgical treatment)
45. The so-called rare hernias (sign, symptoms, anatomy, diagnostics, surgical treatment)
46. The incarcerated hernia (sign, symptoms, anatomy, diagnostics, surgical treatment)
47. Peritonitis, its pathophysiological background, abdominal abscesses (diagnosis and therapy)
48. The abdominal hernias (anatomy,sign, symptoms, diagnostics, surgical treatment)
49. Diagnosis and therapy of the benign tumors of adrenal gland.

50. Perforations of intra-abdominal hollow organs (symptoms, diagnosis, treatment)

Thoracic- Cardio- Vascular surgery

1. Pneumothorax: causes, forms, symptoms, diagnostic and treatment
2. Surgical treatment of the pulmonary tuberculosis (indications)
3. Lung cancer, pathological classification, symptoms, diagnostic, signs of inoperability, therapy.
4. Tumors of the mediastinum: anatomy, diagnostic, symptoms and treatment
5. Inflammatory diseases of the pleura and pleural space (causes, clinical symptoms, diagnostic, treatment)
6. Development of pulmonary abscess (triggers, clinical symptoms, diagnosis, therapy)
7. Symptoms, diagnosis and treatment guidelines of peripheral arterial embolization
8. Guidelines for conservative treatment of atherosclerosis obliterans
9. Symptom and surgical treatment of obliterative diseases of the ilio-femoral artery section of the aorta.
10. Renovascular hypertension: symptoms, diagnosis, treatment options.
11. Symptomatology and surgical treatment of occlusive diseases of extracranial cerebral arteries
12. Development, symptomatology, surgical indication, and surgical resolution of abdominal aortic aneurysms.
13. Guidelines for the treatment of traumatic vascular injuries
14. Conservative and surgical treatment of phlebothrombosis and thrombophlebitis
15. Complications of vascular surgery
16. Types of operable congenital heart failures
17. Palliative surgical methods in the treatment of congenital heart failures in early life
18. Ductus Botalli persistent (haemodynamics, clinic, surgical treatment)
19. Coarctatio aortae (haemodynamics, clinical surgery)
20. Atrial septum defect (types, clinic, surgical treatment)
21. Tetralogy of Fallot
22. Treatment of mitral stenosis with closed commissurotomy
23. Heart valve replacement surgeries
24. Surgical treatment of coronary heart disease (CHD)
25. Surgical treatment of myocardial infarction and its complications
26. Pacemaker treatment