

## **EXAMINATION QUESTIONS**

**for students of the 5th year Faculty of Foreign Students in the spring session  
of the 2025-2026 academic year**

1. Peptic ulcer, chronic gastric and duodenal ulcer. Etiology, pathogenesis, signs and symptoms, differential diagnosis. Indications for surgical treatment. Types of surgical interventions.
2. Gastroduodenal bleeding. Classification, signs and symptoms, diagnosis, treatment. Methods of conservative and surgical treatment. Endoscopic hemostasis methods. Differential diagnosis of gastroduodenal bleeding, surgeon tactics.
3. Peptic ulcer and duodenal ulcer: penetration and malignancy of the ulcer. Signs and symptoms, diagnosis, differential diagnosis, treatment.
4. Perforated gastric and duodenal ulcer. Clinical anatomy of the stomach. Classification, signs and symptoms, diagnosis, differential diagnosis, treatment. Surgical treatment of perforated gastric ulcer and duodenal ulcer.
5. Organic stenosis of the output section of the stomach (cancer, pyloric stenosis of the ulcerative etiology). Causes, diagnostic methods, treatment. Features of preoperative preparation. Treatment in the postoperative period.
6. Benign tumors of the stomach. Signs and symptoms, diagnosis, treatment.
7. Stomach cancer. Classification, stages of cancer, ways of metastasis, signs and symptoms, diagnosis, treatment, complications.
8. Diseases of the operated stomach of a functional cause: Dumping syndrome. Pathogenesis, signs and symptoms, diagnostics, treatment methods.
9. Diseases of the operated stomach of an organic cause. Afferent loop syndrome. Classification, signs and symptoms, diagnosis, differential diagnosis, treatment.
10. Acute appendicitis. Features of the clinical course of acute appendicitis, depending on the location of the appendix. Methods of appendectomy.
11. Complications of acute appendicitis: appendicular infiltrate, appendicular abscess. Causes, signs and symptoms, diagnosis, treatment methods.
12. Complications of acute appendicitis (pyelephlebitis, liver abscess). Signs and symptoms, diagnosis, treatment.
13. Abdominal abscesses: subphrenic, pelvic. Causes, signs and symptoms, diagnosis, treatment
14. Differential diagnosis of acute appendicitis with diseases of the internal female genital organs. Acute appendicitis in pregnant women.
15. Chronic appendicitis. Signs and symptoms, diagnosis, differential diagnosis, treatment.
16. Gallstone disease. Chronic calculous cholecystitis. Etiology, pathogenesis, signs and symptoms, diagnosis, differential diagnosis, treatment.
17. Complications of gallstone disease: obstructive jaundice, cholangitis. Signs and symptoms, diagnosis, treatment: endoscopic, surgical. Indications for external drainage of the common bile duct.

18. Acute cholecystitis. Etiology, pathogenesis, classification, signs and symptoms, diagnosis, methods of conservative treatment. Methods of surgical treatment. Features of the course of cholecystitis in the elderly.
19. Acute cholecystitis. Indications for surgical treatment and types of surgical interventions. Methods of intraoperative revision of the biliary tract.
20. Complications of acute cholecystitis. Pathogenesis, signs and symptoms, diagnosis, treatment.
21. Postcholecystectomy syndrome. Classification, reasons. Residual calculi of hepaticocholedochus. Signs and symptoms, diagnosis, treatment, prevention.
22. Obstructive (mechanical) jaundice. Causes, signs and symptoms, diagnosis, treatment.
23. Liver abscesses. Etiology, classification, pathogenesis, signs and symptoms, diagnosis, differential diagnosis, treatment.
24. Portal hypertension. Bleeding from esophageal varicose veins. Signs and symptoms, diagnosis, tactics. Principles of conservative, endoscopic and surgical treatment.
25. Portal hypertension syndrome. Ways of collateral circulation and their clinical significance. Etiology, classification, signs and symptoms, complications. Principles of conservative and surgical treatment.
26. Acute pancreatitis. Classification, etiology, pathogenesis, signs and symptoms, surgical and endoscopic treatment.
27. Chronic pancreatitis. Etiology, pathogenesis, signs and symptoms, diagnosis, treatment.
28. Pancreatic cancer. Features of growth, structure, metastasis. Signs and symptoms, diagnosis, differential diagnosis, treatment. Radical and palliative surgery.
29. Inguinal hernia. Classification, etiology, pathogenesis, signs and symptoms, differential diagnosis. Methods of surgical treatment
30. Femoral hernia. Surgical anatomy. Signs and symptoms, diagnosis, treatment.
31. Umbilical hernia, hernia of the white line of the abdomen. Etiology, signs and symptoms, diagnosis, differential diagnosis, treatment.
32. Diaphragmatic hernia. Classification, etiology, signs and symptoms, diagnosis, treatment.
33. Postoperative hernia. Causes, signs and symptoms, diagnosis. Features of preoperative preparation. Methods of surgical treatment.
34. Complications of hernia. Hernial phlegmon: causes, signs and symptoms, surgical tactics.
35. Irreducible and strangulated hernia. False strangulated hernia. Differential diagnosis. Signs and symptoms, treatment methods.
36. Strangulated hernia. Types and mechanisms of the restrained hernia. Features of the operation technique with a strangulated hernia. Determination of the viability of the intestine. Tactics of the surgeon in the independent reduction of the strangulated hernia.
37. Mechanical intestinal obstruction. Classification, etiology, pathogenesis, signs and symptoms, diagnosis, treatment.

38. Obstructive intestinal obstruction. Etiology, pathogenesis, signs and symptoms, diagnosis, treatment.
39. Strangulated intestinal obstruction. Types, pathogenesis, signs and symptoms, diagnosis, treatment.
40. Dynamic intestinal obstruction. Classification, etiology, pathogenesis, signs and symptoms, treatment.
41. Paralytic intestinal obstruction. Causes, signs and symptoms, diagnosis, treatment.
42. Adhesive disease of the abdominal cavity. Causes, signs and symptoms, diagnosis, treatment. Prevention.
43. Intestinal fistula. Classification, causes, signs and symptoms of high and low intestinal fistulas, diagnosis, treatment.
44. Tuberculosis of the intestine and peritoneum. Etiology, symptoms, diagnosis, treatment.
45. Acute disorders of the mesenteric circulation. Signs and symptoms, diagnosis, differential diagnosis, treatment methods. Prevention. Thrombolytics and anticoagulants (direct, indirect).
46. Ischemic bowel disease. Etiology. Pathogenesis. Signs and symptoms. Diagnostics. Types of surgical treatment: vessel surgery, bowel surgery
47. Acute purulent peritonitis. Classification, pathogenesis, signs and symptoms depending on the stage of the course.
48. Diffuse purulent peritonitis. Etiology, pathogenesis. Diagnosis Principles of treatment of diffuse purulent peritonitis
49. Polyps and polyposis of the colon. Signs and symptoms, diagnosis, treatment.
50. Diverticulitis and colonic diverticulosis. Complications. Diagnostic methods, treatment.
51. Crohn's disease. Etiology, classification, signs and symptoms, diagnosis, treatment.
52. Ulcerative colitis. Etiology, pathogenesis, signs and symptoms, diagnosis, treatment.
53. Colon cancer, features of growth, structure, metastasis. Signs and symptoms, diagnosis and treatment of cancer of the right and left half of the colon.
54. Cancer of the rectum. Features of growth, metastasis. Classification, signs and symptoms, diagnosis, differential diagnosis, treatment.
55. Endemic goiter. Etiology, pathogenesis, signs and symptoms, diagnosis, treatment.
56. Diffuse toxic goiter. Etiology, pathogenesis, signs and symptoms, methods of examination of the patient. Preoperative preparation and surgical treatment.
57. Complications after strumectomy. Thyrotoxic crisis, signs and symptoms, diagnosis, treatment, prevention. Hypothyroidism. Causes, signs and symptoms, diagnosis, treatment.
58. Chronic thyroiditis (Hashimoto's goiter, Riedel's goiter). Signs and symptoms, diagnosis, treatment.
59. Acute thyroiditis and strumite. Etiology, signs and symptoms, diagnosis, differential diagnosis, treatment.

60. Thyroid cancer. Signs and symptoms, diagnosis, differential diagnosis, treatment.
61. Acute pleural empyema. Signs and symptoms, diagnosis, treatment.
62. Chronic pleural empyema. Signs and symptoms, diagnosis, treatment
63. Indications for pleural puncture in diseases of the lungs and pleura. Technique of pleural puncture.
64. Bronchiectasis. Etiology, signs and symptoms, diagnosis.
65. Pulmonary hemorrhage. Classification, etiology, pathogenesis. Causes, signs and symptoms, differential diagnosis, treatment.
66. Acute and chronic mediastinitis. Causes, signs and symptoms, diagnosis, surgical treatment.
67. Mediastinal tumors. Tumor of the thymus gland. Signs and symptoms, diagnosis, treatment.
68. Mammary gland cancer. Clinical forms, stages of the process. Features of metastasis, diagnosis, differential diagnosis, treatment methods.
69. Dishormonal dysplasia of the mammary gland (mastopathy). Classification, signs and symptoms, diagnosis, differential diagnosis and treatment of mastopathy.
70. Cardiac achalasia. Etiology, classification, signs and symptoms, diagnosis, treatment.
71. Chemical burns of the esophagus, stomach and their complications. First aid for burns. Conservative and surgical treatment of esophageal and pyloric strictures.
72. Cancer of the esophagus. Stages, signs and symptoms, diagnosis, differential diagnosis, treatment.
73. Liver echinococcosis. Etiology, pathogenesis, signs and symptoms, diagnosis, differential diagnosis, treatment.
74. Lung echinococcus. Etiology, pathogenesis, signs and symptoms, diagnosis, complications, treatment.
75. Surgical sepsis. Etiology, pathogenesis, classification, signs and symptoms, diagnosis, treatment.
76. Tetanus. Etiology, pathogenesis, signs and symptoms, diagnosis, treatment, prevention.
77. Abscess, phlegmon of soft tissues. Signs and symptoms, diagnosis, treatment.
78. Furuncle, carbuncle soft tissue. Signs and symptoms, diagnosis, treatment.
79. Lymphadenitis, lymphangitis. Signs and symptoms, diagnosis, treatment.
80. Erysipelas. Causes, classification, signs and symptoms, diagnosis, treatment.
81. Panaritium. Classification, signs and symptoms, diagnosis, treatment.
82. Phlegmon of the hand. Classification, signs and symptoms, diagnosis, treatment
83. Acute paraproctitis. Classification, etiology, signs and symptoms, diagnosis, treatment.
84. Chronic paraproctitis. Fistula classification. Signs and symptoms, diagnosis, surgical treatment.
85. Hemorrhoids and anal fissures. Signs and symptoms, diagnosis, differential diagnosis, treatment.

86. Acute thrombosis and embolism of the main arteries. Etiology, classification, signs and symptoms, differential diagnosis, treatment (anticoagulant and fibrinolytic therapy). Operations on the main vessels.
87. Atherosclerosis obliterans of lower limb arteries. Classification of chronic arterial insufficiency according to Fontein. Signs and symptoms, diagnosis, treatment.
88. Thromboangiitis obliterans. Etiology, pathogenesis, signs and symptoms, diagnosis, treatment.
89. Varicose veins of the lower extremities. Etiology, pathogenesis, signs and symptoms, diagnosis, treatment. Classification of chronic venous insufficiency by CEAP.
90. Thrombophlebitis of the superficial veins of the lower extremities. Clinic, diagnosis, treatment. Complications and their prevention.
91. Deep vein thrombosis. Etiology, pathogenesis, signs and symptoms, diagnosis, treatment.
92. Postthrombotic syndrome. Etiology, pathogenesis, signs and symptoms, diagnosis, treatment.
93. Pulmonary embolism (PE). Causes, pathogenesis, signs and symptoms, diagnosis, treatment.
94. Diabetic foot syndrome. Forms. Etiology, pathogenesis, signs and symptoms, diagnosis and treatment. Wagner classification.
95. Symptomatic hypertension. Coarctation of the aorta, signs and symptoms, diagnosis, surgical treatment.
96. Symptomatic hypertension. Pheochromocytoma. Signs and symptoms, diagnosis, surgical treatment
97. Surgical treatment of coronary heart disease. Aneurysms of the heart, rhythm disturbance.
98. Aneurysms of the thoracic and abdominal aorta. Etiology, classification, signs and symptoms, diagnosis, treatment.
99. Functions of blood and its components. Blood groups, Rh factor, determination of blood group, Rh factor. Indications and contraindications for blood transfusions.
100. Serological tests before blood transfusion (test for group and rhesus factor compatibility, biological test). Complications of blood transfusion.

Head of the Hospital Surgery  
department, MD

D.V. Volkov