



APPROVED

Dean of the Dentistry Faculty

PhD, associate professor

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**Exam questions in Surgical Diseases  
for the 4<sup>th</sup> year students of Dentistry Faculty  
2022 – 2023**

**Acute appendicitis**

1. Acute appendicitis: etiology, classification, clinical picture.
2. Complications of acute appendicitis (mass, abscess, diffuse peritonitis, pylephlebitis and sepsis ). Clinical picture. Diagnosis. Management and volume of surgical procedure.
3. Intraoperative and postoperative complications of acute appendicitis, prophylaxis and treatment.
4. Differential diagnosis of acute appendicitis.
5. Essential features of acute appendicitis in children, adults, pregnant women.
6. Essential features of acute appendicitis according to localization of appendix.
7. Treatment of acute appendicitis and its complications.

**Gastric and duodenal ulcers**

8. Clinical picture and diagnosis of gastric and duodenal ulcers. Johnson's classification of gastric ulcer.
9. Absolute and relative indications for surgery in gastric and duodenal ulcers.
10. Types of surgery in gastric and duodenal ulcers.
11. Complications of gastric and duodenal ulcers.
12. Perforated gastroduodenal ulcer. Clinical picture. Diagnosis. Treatment.
13. Atypical and sealed perforation of gastroduodenal ulcer. Clinical picture. Diagnosis. Treatment.
14. Differential diagnosis of gastroduodenal perforated ulcer.
15. Clinical picture of perforated gastroduodenal ulcers depending on the stage (shock, period of false amelioration, peritonitis).
16. Surgical and conservative treatment of perforated gastroduodenal ulcer.
17. Gastrointestinal ulcerous hemorrhages. Clinical picture. Diagnosis. Treatment.
18. Classification of gastrointestinal hemorrhages according to the severity degrees.
19. Endoscopic Forrest classification of gastrointestinal hemorrhages.
20. Differential diagnosis of ulcerous gastrointestinal haemorrhage with bleeding from esophageal varices and Mallory-Weis syndrome.



21. Ulcerous stenosis. Diagnosis. Treatment.
22. Radiographic features of gastroduodenal stenosis according to stages.
23. Differential diagnosis of perforated gastroduodenal ulcers.
24. Penetration of gastric and duodenal ulcer. Clinical picture. Treatment.
25. Acute cholecystitis. Etiopathogenesis. Clinical picture. Diagnosis.
26. Differential diagnosis of acute cholecystitis.
27. Complications of acute cholecystitis. Clinical picture. Management.
28. Treatment of acute cholecystitis. Indications for surgical treatment. Types of surgery.
29. Cholelithiasis. Clinical picture. Methods of examination.
30. Cholecystectomy: indications, anesthesia, surgical approaches, and methods. Possible intraoperative complications within cholecystectomy.
31. Complications of cholelithiasis (mechanical, infectious, degenerative). Treatment.
32. Mechanical jaundice. Etiopathogenesis. Diagnosis.
33. Mechanical jaundice. Differential diagnosis. Treatment.
34. Choledocholithiasis: classifications, symptoms, diagnosis, and treatment. Methods of biliary drainage.
35. Features of mechanical jaundice in retrograde endoscopic cholangiography, transparietohepatic cholangiography, magnetic resonance cholangiography.
36. Surgical treatment of mechanical jaundice. Methods of biliary drainage, biliodigestive anastomosis.
37. Endoscopic methods of diagnosis and treatment of mechanical jaundice.
38. Acute cholangitis: signs, symptoms, diagnosis and treatment.
39. Postcholecystectomy syndrome. Etiopathogenesis. Clinical picture. Diagnosis. Treatment.

#### Intestinal obstruction

40. Intestinal obstruction. Classification. Diagnosis.
41. Mechanical intestinal occlusion. Etiopathogenesis. Clinical picture.
42. Diagnosis and treatment of mechanical intestinal occlusion.
43. Dynamic intestinal occlusion. Clinical picture. Treatment. Diagnosis.
44. Twisting of the bowel (volvulus). Clinical picture. Treatment. Diagnosis.
45. Intussusception: classification, symptoms, and diagnosis. Conservative and surgical methods of treatment.

#### Acute pancreatitis

46. Acute pancreatitis. Etiopathogenesis. Classification. Clinical picture.
47. Diagnostic methods in acute pancreatitis: laboratory test, ultrasound, CT-scan, esofagogastroscoy and ERCP, laparoscopy.
48. Treatment of acute pancreatitis in dependence on the form, clinical period and development of complications.
49. Complications of acute pancreatitis, early and delayed.
50. Classification of acute pancreatitis complications.
51. Differential diagnosis of acute pancreatitis (perforated gastroduodenal ulcer, myocardial infarction).

#### Peritonitis

52. Peritonitis. Definition. Classification. Diagnosis. Stages of peritonitis.
53. Pathophysiology of advanced peritonitis.
54. Clinical picture of generalized peritonitis (reactive, toxic, terminal phases).
55. Complex treatment of generalized peritonitis. Principles of surgical treatment.
56. Localized peritonitis. Clinical picture. Surgical treatment.



57. Intraperitoneal abscesses: etiology, typical localization, pathology, clinical findings, diagnosis, and principles of surgical treatment.

**Abdominal wall hernia**

58. Abdominal wall hernia. Definition. Etiology. Causing factors.  
59. Structure of hernia. Classification. Treatment.  
60. Clinical picture of uncomplicated hernias. Steps of surgery.  
61. Irreducible hernias. Clinical picture. Treatment.  
62. Strangulated hernia. Mechanisms of strangulation. Types of strangulation.  
63. Clinical picture of strangulated hernia, diagnosis.  
64. Determination of viability of the strangulated organ in strangulated hernia.  
65. Features of surgical treatment in strangulated hernia.  
66. Inguinal hernia: inguinal canal anatomy, clinical picture, differential diagnosis, surgical treatment.  
67. Femoral hernia: anatomy, clinical picture, differential diagnosis, surgical treatment.  
68. Umbilical hernias. Classification. Clinical picture. Treatment.  
69. Epigastric Hernia. Clinical picture. Treatment.  
70. Incisional hernia. Etiology. Clinical picture. Treatment.  
71. Rare forms of hernia strangulation: Richter's hernia, Littre's hernia, Maydl's hernia, false strangulation or Broke's hernia. Pathogenesis and clinical signs.

**Surgical vascular diseases**

72. Varicose veins of lower limbs. Diagnosis. Clinical picture. Treatment Surgical and conservative treatment of venous leg ulcer.  
73. Complications of varicose veins. Treatment.  
74. Functional changes in varicose disease of the lower limb.  
75. Thrombophlebitis of superficial veins of lower limb. Etiology. Clinical picture. Treatment.  
76. Thrombophlebitis of deep veins of lower limb. Clinical picture. Treatment.  
77. Thrombosis and embolism of arteries. Etiopathogenesis. Diagnosis. Clinical picture. Treatment.  
78. Specific and nonspecific prophylaxis of thromboembolic complications in the postoperative period.  
79. Obliterated endarteritis. Etiology. Pathogenesis. Clinical picture.  
80. Functional tests during examination of patients with impairment of peripheral arteries.  
81. Obliterated endarteritis of lower limbs, etiopathogenesis. Clinical picture.  
82. Diagnosis and treatment of obliterated endarteritis.

**Surgical pathology of the thyroid gland**

83. Goiter: definition, classification, methods of diagnosis.  
84. Thyrotoxic goiter. Diagnosis. Clinical picture. Treatment. Prophylaxis.  
85. Indications for surgical treatment of goiter, types of surgery, early and delayed complications.  
86. Thyroiditis, strumitis. Classification. Clinical picture. Treatment.  
87. Cancer of thyroid gland. Clinical picture. Diagnosis. Treatment.

**Abdominal trauma**

88. Closed and opened trauma of the abdomen. Mechanism of trauma, classification.  
89. Abdominal wall contusion without lesions of internal organs (intramuscular haematoma, preperitoneal hematoma). Treatment.





90. Closed trauma of the abdomen with lesions of parenchimatouse organs. Clinical picture. Laboratory diagnosis.
  91. Closed trauma of the abdomen with lesions of cavitary organs. Clinical picture. Rectal examination.
  92. Closed trauma of the abdomen with lesions of parenchimatouse organs. Laboratory data. Instrumental diagnosis. Treatment.
  93. Closed trauma of the abdomen with lesions of cavitary organs. Laboratories data. Radiological data. Laparoscopic data. Treatment.
  94. Opened trauma of the abdomen. Classification. Diagnosis. Clinical picture. Treatment.
- The semiology of acute abdomen**
95. Definition of acute abdomen, classification.
  96. Acute surgical abdomen: features of inflammatory syndrome.
  97. Acute surgical abdomen: features of perforated syndrome.
  98. Acute surgical abdomen: features of internal bleeding syndrome.
  99. Acute surgical abdomen: features of obstruction syndrome.
  100. Evaluation and management of acute abdomen.

Head of the Surgery Chair no.5

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