

QUESTIONS FOR STATE EXAMINATIONS IN SURGERY FOR FOREIGN  
STUDENTS FACULTY  
2019-2020 year

1. Principles of contemporary deontology.
2. N.I. Pirogov, his contribution to the development of surgery.
3. Organization of emergency surgery.
4. Asepsis. Control of aerial, respiratory, direct, implantation infection.
5. Antiseptics. Forms of antiseptics.
6. Periodic observation and examination of surgical patients.
7. Groups of clinic patients which need complex observation of surgeon and therapist.
8. Contemporary principles of preoperative preparation.
9. Therapeutic physical training during preoperative and postoperative period.
10. Preventive prophylaxis of pulmonary complications during postoperative period.
11. Blood groups, Rh-factor. Agglutinin and agglutinin's properties. Methods of blood and Rh-factor typing.
12. Reaction of isohemoagglutination.
13. Hemotransfusion: indications and contra-indications. Measures before, during and after the hemotransfusion. Methods and ways of blood components and specimen transfusion.
14. Blood substitutes. Their classification and application indications during medical evacuation.
15. Complications during blood and protein preparations transfusion.
16. Bleedings. Their classification. Methods of temporary and final bleeding control.
17. Principles of circulating blood volume replacement during the hemorrhage.
18. Goiter. Its classification, clinical picture, diagnostics. Indications to the surgical treatment. Variants of operations.
19. Cardiospasm. Clinical picture, diagnostics, conservative treatment. Indications to the surgical treatment. Variants of operations.
20. Esophageal injuries and their complications.
21. Methods of examination of patients with pulmonary disease.
22. Acute pulmonary abscesses. Its clinical picture, diagnostics and treatment.
23. Pulmonary hemorrhages. Causes, diagnostics, treatment.
24. Acute purulent pleurisy. Its clinical picture, diagnostics and treatment.
25. Clotted hemothorax. Clinical picture, diagnostics and treatment.
26. Diaphragmatic hernias. Their classification, diagnostics and treatment.
27. Mediastinum cysts and tumors. Their clinical picture, diagnostics and treatment.
28. Trombophlebitis, phlebothrombosis, postthrombophlebitic syndrome of lower extremity. Etiopathogenesis. Its clinical picture, diagnostics, conservative and surgical treatment.

29. Prevention of thromboembolic complications during the postoperational period.
30. Furuncle, carbuncle, hydro-adenitis.
31. Soft tissues abscesses and phlegmons. Aetiology, pathogenesis, diagnostics, treatment. Role of physical treatment modes.
32. Deep phlegmons of face and neck.
33. Infection of palm.
34. Acute mastitis. Classification, diagnostics and treatment.
35. Nonclostridial anaerobic infection. Its clinical picture, diagnostics and treatment.
36. Tetanus. Aetiology, pathogenesis, clinical picture, diagnostics, treatment. Planned and emergency prevention.
37. Septicaemia. Aetiopathogenesis, clinical picture, diagnostics, treatment.
38. Contemporary principles of treatment of surgical purulent infection.
39. Principles of contemporary combined antibacterial therapy.
40. Prevention of pyoseptic complications of the surgical patients.
41. Pyloroduodenal stenosis. Its clinical picture, diagnostics and treatment.
42. Penetrating ulcer of stomach and duodenum. Its clinical picture, diagnostics and treatment.
43. Contemporary methods of surgical treatment of ulcerous disease of stomach and duodenum (indications, variants of operations).
44. Perforated ulcer of stomach and duodenum. Variants of clinical course, diagnostics and treatment.
45. Tactics of treatment of patients who underwent the operation on perforated ulcer of stomach and duodenum after discharging from hospital.
46. Gastroduodenalhaemorrhage. Causes, clinical picture, diagnostics. Indications for the conservative treatment, its principles and methods. Indications for the operation, variants of surgical interventions.
47. Methods of indicating of severity of bleeding in cases of gastroduodenalhaemorrhages.
48. Functional postgastrectomy syndromes. Classification, clinical picture, diagnostics and treatment.
49. Peptic ulcer of stomach after surgery. Its clinical picture, diagnostics and treatment.
50. Cholelithiasis. Aetiopathogenesis, clinical picture, diagnostics, treatment.
51. Acute cholecystitis. Its clinical picture, diagnostics, treatment.
52. Complications of acute cholecystitis. Its clinical picture, diagnostics, treatment (surgical tactics).
53. Acute cholecystopancreatitis. Aetiopathogenesis, classification, clinical picture, diagnostics, treatment (doctor's approach).
54. Postcholecystectomy syndrome. Classification, causes, clinical picture, diagnostics, treatment.
55. Liver abscess. Its clinical picture, diagnostics and treatment.
56. Obstructive (mechanical) jaundice. Causes, differential diagnostics, treatment.

57. Acute pancreatitis. Aetiopathogenesis, classification, clinical picture, diagnostics. Indications to the conservative treatment. Its principles. Indications to the surgical intervention. Variants of operations.
58. Complications of acute pancreatitis. Classification, clinical picture, diagnostics, treatment.
59. Chronic pancreatitis and pancreatic cysts. Aetiopathogenesis, classification, clinical picture, diagnostics, indications to the surgical intervention. Variants of operations.
60. Portal hypertension. Classification, clinical picture, diagnostics, treatment.
61. Bleeding from varicose veins of esophagus. Its clinical picture, diagnostics, treatment.
62. Volvulus of small bowels. Its clinical picture, diagnostics, treatment.
63. Volvulus of sigma. Its clinical picture, diagnostics, treatment.
64. Invagination. Peculiarities of clinical picture of children, diagnostics, treatment.
65. Formation of nodes. Clinical symptoms, diagnostics, treatment.
66. Dynamic intestinal obstruction. Etiopathogenesis, classification, clinical symptoms, diagnostics, treatment.
67. Adhesive intestinal obstruction. Etiopathogenesis, clinical symptoms, diagnostics, treatment.
68. Bowel obstruction owing to rectal cancer. Clinical symptoms, diagnostics, treatment.
69. Acute appendicitis. Classification, clinical symptoms, diagnostics, treatment.
70. Acute appendicitis in old people, children and pregnant women.
71. Complications of acute appendicitis. Clinical symptoms, diagnostics, treatment.
72. Periappendiceal mass. Diagnostics, medical approach.
73. Causes of lethality during acute appendicitis. The role of doctors of nonsurgical profile in its reduction.
74. Closed injuries of organs of abdominal cavity. Classification, clinical symptoms, survey techniques, treatment.
75. Closed injuries of spleen. Clinical symptoms, diagnostics, treatment.
76. Closed injuries of liver. Clinical symptoms, diagnostics, treatment.
77. Closed injuries of bowels. Clinical symptoms, diagnostics, treatment of organs of abdominal cavity.
78. Hemorrhoids and complications. Clinical symptoms, diagnostics, conservative treatment. Indications for operative treatment. Variants of operations.
79. Acute and chronic periproctitis. Clinical symptoms, diagnostics, treatment.
80. Rectal prolapse. Clinical symptoms, diagnostics, treatment.
81. Femoral hernias. Clinical symptoms, diagnostics, treatment.
82. Inguinal hernias. Clinical symptoms, diagnostics, treatment.
83. Complications of external abdominal hernias. Classification (incarceration, inflammation, irreducibility, coprostasis). Clinical symptoms, diagnostics, treatment.

84. Differential diagnostics of strangulated inguinoscrotal hernias and hydrocele.
85. Differential diagnostics of strangulated and irreducible hernias.
86. Strangulation of internal hernias (types, clinical symptoms, diagnostics, treatment).
87. Postoperative ventral hernias. Etiopathogenesis, clinical symptoms, diagnostics, treatment.
88. Classification of peritonitises (according to etiology, character of the exudate, prevalence, stages of clinical course).
89. Acute purulent peritonitis. Classification, clinical symptoms, diagnostics, treatment.
90. Preoperative preparation and postoperative care of the patients with extensive forms of peritonitis.
91. Differential diagnostics of acute surgical diseases of organs of abdominal cavity.
92. Varicose disease of the veins of the lower extremities. Clinical symptoms, diagnostics, indications for conservative and operative treatment. Principles of the conservative treatment. Sclerotherapy. Surgical treatment.
93. Thromboobliterating diseases of the peripheral arteries. Classification, clinical symptoms, diagnostics, treatment.
94. Thromboembolism of the peripheral arteries. Clinical symptoms, diagnostics, treatment.
95. Thromboses and embolisms of mesenteric vessels. Etiopathogenesis, clinical symptoms, diagnostics, treatment.
96. Acquired valvular diseases of the heart. Clinical symptoms, diagnostics, indications for surgical treatment, variants of operations.
97. Heart wound. Clinical symptoms, diagnostics, medical approach.
98. The role and tasks of doctors of a nonsurgical profile in rendering assistance to the patients with acute surgical diseases.
99. The concept of transplantation of tissues and organs.
100. Congenital cheiloschises and cleft palates. Clinical symptoms, diagnostics, duration of surgical treatment, methods of operations.
101. Congenital torticollis. Clinical symptoms, early detection and treatment.
102. Atresias of esophagus and esophago-tracheal fistulas.
103. Anal and rectal atresias.
104. Hematogenous osteomyelitis. Pathogenesis, clinical symptoms, treatment.
105. Traumatic shock. Modern views on the pathogenesis. Clinical symptoms, diagnostics, treatment.
106. Electrical injury. Clinical symptoms, diagnostics, treatment.
107. Positional crush syndrome. Pathogenesis, clinical symptoms, treatment.
108. Anesthesiology and its role in the development of the surgery in Russia and Belarus.
109. Peridural and spinal anesthesia.
110. Local anesthesia.
111. Noninhalation narcosis.
112. Modern methods of the organism detoxication.

113. Terminal state. Diagnostics, principles of relief actions.
114. Dropsy of testicular membranes and funicular hydrocele.
115. Nephrolithiasis and hydronephrosis.
116. Urinary bladder stones. Clinical symptoms, diagnostics, treatment.
117. Closed injuries of kidneys.
118. Bladder perforation and rupture of urethra.
119. Prostate gland adenoma.
120. Differential diagnostics of urological and acute surgical diseases of organs of abdominal cavity.
121. Organization and tasks of cancer care facilities. Higher risk groups of patients. Preventive examination.
122. Clinical groups of oncological patients. Classification of oncological diseases according to the stages and system of TNM.
123. Principles of radiation therapy and chemotherapy of oncological diseases.
124. Dishormonal dysplasia and breast cancer. Classification, clinical symptoms, diagnostics, treatment.
125. Carcinoma of lung. Classification, clinical symptoms, diagnostics, treatment.
126. Cancer of esophagus. Classification, clinical symptoms, diagnostics, treatment.
127. Precancerous diseases of stomach, esophagus, lungs, large intestine, mammary gland. Clinical symptoms, diagnostics, regular medical check-up, treatment.
128. Cancer of stomach. Classification, clinical symptoms, diagnostics, treatment.
129. Cancer of colon. Classification, clinical symptoms, diagnostics, treatment.
130. Rectal cancer. Classification, clinical picture of the disease, diagnostics, treatment.
131. Indications for emergency operation in the case of abdominal cavity tumor complications.
132. Malignant tumor of the kidney. Classification, clinical picture of the disease, diagnostics, treatment.
133. Tumors of the urinary bladder.
134. Cancer of prostatic gland.
135. Complications of a chest gunshot wound diagnosis and treatment.
136. Medical triage, its organization and primary medical aid level.
137. First aid for burned patient.
138. Modern principles of local and general treatment of the burns.
139. Wound. Classification. Principles of treatment. Primary surgical treatment of wounds.
140. Characteristics of a gunshot wound and its peculiarities.
141. Types of general and local infection of gunshot wounds.
142. Local wound infection. Clinical presentation, diagnostics, treatment at the levels of medical care.
143. Gunshot wounds of the head. Classification, clinical presentation, diagnostics, treatment.

144. Closed injury of the head. Classification, clinics of the disease, diagnostics, treatment.
145. Pneumothorax: closed, open, tensioned. Clinical presentation, diagnostics, treatment.
146. Hemothorax. Classification, clinical presentation, diagnostics, treatment.
147. Penetrating wounds of the abdomen. Clinical presentation, diagnostics, principles of treatment.
148. Complications of gunshot wound of pelvis, treatment of the pathology.
149. Gunshot wounds of joints and the principles of their treatment.
150. Primary and secondary indications for extremity amputation.
151. Closed and gunshot injuries of the spine. Clinics of the disease, diagnostics.
152. Fractures of the spine. Clinical presentation, diagnostics, treatment principles.
153. Traumatic shock. Classification, clinics of the disease, prevention and treatment at the levels of medical evacuation.
154. Anaerobic wound infection. Clinics of the disease, diagnostics, aid principles.
155. Methods of temporary hemostasis.
156. Methods of definitive hemostasis.
157. Joint dislocations. Diagnosis and therapy of joint-related soft tissue injuries.
158. Principles and types of conservative fracture treatment.
159. Transport immobilization, indication, methods and rules of use.
160. Principles of medical aid in patients with injuries of spinal column in the levels of medical care.
161. Shoulder dislocation, clinics, diagnosis, methods of reduction.
162. Traumatic hip dislocation, clinics, diagnosis, methods of reduction.
163. Fractures surgical neck of humerus clinics, diagnosis, treatment.
164. Fractures of distal end of humerus. Clinics, diagnosis, principles of treatment.
165. Fractures of olecranon. Clinics, diagnosis, treatment.
166. Fractures of distal radius, clinics, diagnosis, and medical aid.
167. Meniscal injuries of knee joint. Clinical presentation, diagnosis, treatment.
168. Fractures of ankle, clinics, diagnosis, methods of treatment.
169. Femoral neck fracture, clinics, diagnosis, treatment.
170. Fractures of the pelvis. Classification, clinics, diagnosis, treatment.
171. Fractures of femoral shaft, diagnosis, clinics, methods of treatment.
172. External osteosynthesis, types, indication for application.
173. Fracture healing complication, types of nonunion (causes, diagnosis, treatment).
174. Traumatic osteomyelitis, etiology, pathogenesis, clinics, diagnosis and principles of treatment.
175. Clubfoot, clinics, diagnosis, principles of conservative and operative treatment.
176. Congenital hip dysplasia, diagnosis.
177. Osteoarthritis of large joints, classification, principles of contemporary treatment.
178. Tuberculosis of the spine and joints. Etiopathogenesis, clinic, diagnosis, treatment.

179. Thermal damages (burns, frostbite, general cooling). Clinic, diagnosis, medical care.
180. Crush syndrome, pathogenesis, clinical presentation, treatment.
181. Anaerobic infection (clostridial). Features of the pathogenesis of anaerobiosis. Clinic, diagnosis. Surgical treatment of anaerobic infection.
182. Fractures of the clavicle. Clinical presentation, diagnosis, treatment.
183. Dislocation of acromial end of the clavicle.
184. Fractures and fracture-dislocations of the forearm.
185. Elbow dislocations. Clinical presentation, diagnosis, treatment.
186. Scaphoid fracture. Clinical presentation, diagnosis, treatment.
187. Injuries to the cruciate ligaments of the knee joint. Clinical presentation, diagnosis, treatment.
188. Injuries to the collateral ligaments of the knee joint. Clinical presentation, diagnosis, treatment.
189. Fractures of the shaft of the tibia. Clinical presentation, diagnosis, treatment.
190. Tibial plateau fractures. Clinical presentation, diagnosis, treatment.
191. Congenital hip dysplasia, treatment.
192. Scoliosis, definition, classification, clinical presentation.
193. Scoliosis, diagnosis, treatment.
194. Rotator cuff injuries. Clinical presentation, diagnosis, treatment.
195. Fractures of the shaft of humerus. Clinical presentation, diagnosis, principles of treatment.

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