

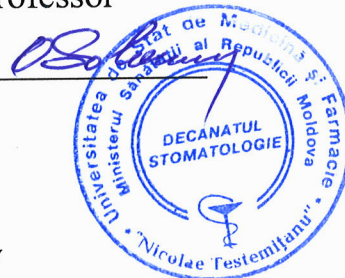


APPROVED

Dean of the Dentistry Faculty

PhD, associate professor

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**Exam questions in General Surgery
for the 3rd year students of Dentistry Faculty
2022 – 2023**

1. Asepsis. Definition. The main rule of asepsis. History of asepsis.
2. Prophylaxis of contact contamination.
3. Principle of hands sterilization. Spasokukotskii- Cocherghin method of hands sterilization.
4. Methods of preparing the surgical field.
5. Sterilization of surgical instruments.
6. Sterilization of dressing material and sheets (principle methods). Check up sterilization.
7. Suture material. Classification.
8. Antisepsis. Definition. General principles. History.
9. Methods of antisepsis. General principles.
10. Mechanical and physical antisepsis.
11. Chemical antisepsis.
12. Biological antisepsis.
13. Hemorrhage. Definition. Etiology and classification of hemorrhage.
14. Hemorrhage. Local and general clinical manifestations.
15. Signs of internal hemorrhage.
16. Signs of external hemorrhage.



17. Complications and dangers of hemorrhage.
18. Responding reaction of the body to hemorrhage.
19. Hemostasis. Classification. Spontaneous hemostasis. Contributing factors.
20. Temporary hemostasis. Methods. Indications and rules of tourniquet application. Complications.
21. Secondary hemorrhage: etiology, prophylaxis, treatment.
22. Blood transfusions: history, periods
23. Definitive hemostasis: mechanical, physical, chemical and biological methods.
24. Determination of blood groups with monoclonal antibodies.
25. Blood groups.
26. Compatibility of blood groups. Ottenberg rule.
27. Mechanism of action of transfused blood.
28. Errors in blood groups determination (panagglutination and pseudoagglutination).
29. Types of hemotransfusion. Methods of hemotransfusion (direct, indirect). Techniques of hemotransfusion.
30. Hemolytic transfusion reactions: etiology, prophylaxis
31. Massive blood transfusions.
32. Posttransfusion reactions: clinical manifestations, prophylaxis.
33. Individual (ABO, Rh) and biological compatibility.
34. Blood components and blood substitutes.
35. Blood substitutes. Classification.
36. Indications and contraindications for blood transfusions
37. Block anesthesia with Novocain (paravertebral, paranephral, intercostal block). Indications, drugs, technique.
38. Block anesthesia, Oberst- Lucashevici method.
39. Local anesthesia. Indications. Contraindications. Advantages and disadvantages.



40. Complications of local anesthesia.
41. Methods of local anesthesia.
42. Regional anesthesia.
43. Conduction anesthesia
44. Local anesthetic drugs classification, mechanism of action.
45. Wounds: definition, classification.
46. Healing of wounds: primary, secondary and tertiary healing.
47. Semiology of wounds: local and general symptoms. Incisional wounds.
48. Local and general manifestations of puncture wounds.
49. Local and general manifestations of bite and insect-sting wounds.
50. Local and general manifestations of gunshot wounds.
51. Early and late complications of wounds.
52. Primary surgical treatment of wounds.
53. Secondary surgical treatment of wounds.
54. Principles of surgical debridement of the wound.
55. Types of suture. Indications and contraindications.
56. Infected wounds: treatment in the period of inflammation.
57. Infected wounds: treatment in the period of proliferation. Secondary surgical debridement of the wound.
58. Local and general treatment of pus wounds.
59. Lymphadenitis and lymphangitis: etiopathogenesis, clinical manifestations, treatment.
60. Abscess: etiopathogenesis, clinical manifestations, treatment.
61. Phlegmon: etiopathogenesis, clinical manifestations, treatment.
62. Erysipelas: etiopathogenesis, clinical manifestations, treatment, classification.
63. Mastitis: etiopathogenesis, clinical manifestations, treatment, classification .
64. Subungual panaris: clinical manifestations, treatment.
65. Panaris: etiopathogenesis, clinical manifestation, treatment, classification.



66. Superficial panaris: clinical manifestations, treatment.
67. Hydradenitis: ethiopathogenesis, clinical manifestations, treatment, prophylaxis.
68. Tendinous panaris: ethiopathogenesis, clinical manifestation, treatment.
69. Anatomy of hand and its importance in ethiopathogenesis of hand infection and spreading of pus.
70. Hand phlegmon. Classification of hand phlegmon. Complications.
71. Hand phlegmon. Clinical manifestations. Treatment.
72. Local pus infection. Boil (furuncle and furunculosis). Ethiopathogenesis, clinical manifestation, treatment.
73. Carbuncle: clinical manifestations, treatment.
74. Sepsis: clinical manifestations and diagnosis.
75. Sepsis: definition, classification of surgical sepsis.
76. Principles of local and general treatment in surgical nonspecific infection.
77. Antibiotic therapy in surgical infection. Principles of antibiotic therapy and ways of its administration.
78. Complications of antibiotic therapy: prophylaxis, treatment
79. Gangrene: definition, classification, clinical manifestations of dry gangrene .
80. Gas gangrene: diagnosis, specific and nonspecific prophylaxis.
81. Gas gangrene: etiology, features of bacteria causing gas gangrene.
82. Burn disease : periods, pathophysiology, treatment.
83. Complications of burns: early, late, and functional.
84. Burns: determination of affected area
85. First aid in chemical and thermal burns.
86. Cold injures (frostbite): definition, classification.
87. Ulcer: definition, etiology, clinical manifestations, treatment.
88. Fistula: definition, classification
89. Fistula: clinical manifestations, diagnosis and treatment. Artificial fistula.



90. Osteomyelitis: definition, classification.
91. Acute hematogenous osteomyelitis: clinical manifestations, diagnosis, treatment.
92. Complications of acute hematogenous osteomyelitis.
93. Chronic osteomyelitis: forms, diagnosis, treatment.
94. Preoperative assessment in elective surgery.
95. Preparation of a patient for surgical treatment.
96. Surgical treatment: definition, access, classifications.
97. Surgical treatment: immediate, urgent and elective; definition, examples.
98. Surgical treatment: radical, palliative, diagnostic surgeries.
99. Postoperative period.
100. Postoperative complications.

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