

# SYLLABUS

## IN SURGERY FOR STUDENTS DENTAL MEDICINE III -th - COURSE

1. Aseptic and antiseptics. Sources of contamination with bacterial flora. Methods of sterilization of instruments, clothes, bandages and additional materials. Preparation of the surgeon and the patient for surgical intervention.
2. General anesthesia. Anesthetics – mechanisms, way of application, stages of the anesthesia. Endotracheal intubation. Advantages.
3. Local anesthesia. Anesthetics. Ways of application.
4. Wounds – classification. Wound healing.
5. Wounds – treatment – primary surgical treatment. Primary suture. Primary delayed suture. Secondary suture - Indications, techniques.
6. Burns. Pathogenesis. Stages of burning, with determination of the surface, clinical symptoms, treatment. Complications.
7. Frost. Definition, pathogenesis, types, stages, manifestation, treatment basics.
8. Hemorrhage - definition, classification, pathophysiology, clinical symptoms.
9. Hemostasis. Temporal and permanent hemostasis. Surgical hemostasis.
10. Blood transfusion - ABO - rhesus system /Rh/, indications and contra-indications for blood transfusion.
11. Shock – definition, classification, pathogenesis, clinical findings, treatment.
12. Clinical death — etiology, pathogenesis, treatment.
13. Acute infection. Tissue process. Abscess. Phlegmon characteristics, treatment.
14. Pyogenic infection of the skin. — furuncle, carbuncle, hydrosadenitis.
15. Anaerobic infection. Etiology, pathogenesis, clinical findings, prophylaxis.
16. Congenital cysts and fistulas of the neck – origin, localization, treatment.
17. Struma – classification. Endemic struma – etiology, clinical findings, diagnosis, treatment.
18. Graves disease- pathogenesis, clinical findings, diagnosis, principles of surgical treatment.
19. Breast cancer. Stages. Diagnosis. Operative techniques. Combined contemporary treatment.
20. Acute pyogenic mastitis. Ways of infection. Localization. Clinical findings treatment.
21. Chest trauma – Classification, pathogenesis. Rib fracture – single and multiple. Closed pleuropulmonal trauma – closed, opened pneumothorax. Pathophysiological disorders.

22. Lung cancer – etiology, classification, pathogenesis, clinical findings, diagnosis, treatment.
23. Achalasia - etiology, pathogenesis, clinical findings, diagnosis, treatment.
24. Burns of the esophagus and the stomach from chemical agents. Complications. First aid.
25. Hernias – definition, classification. Etiology, pathogenesis, clinical findings, treatment. Complications. Incarceration. – types, surgical tactics and treatment.
26. Inguinal hernia. Anatomy of the inguinal canal. Types of inguinal hernia. Operative procedures.
27. Umbilical hernia. Linea alba hernia. Femoral hernia. Surgical treatment.
28. Diaphragmatic and hiatal hernias. Classification, clinical findings, Treatment.
29. Abdominal trauma. Clinical findings, diagnosis. Indications for surgical treatment.
30. Peptic ulcer disease of the stomach and duodenum. Complications. Clinical findings, diagnosis indications for operative treatment. Operative techniques.
31. Ulcer perforation diagnosis, treatment.
32. Stomach cancer – types, clinical findings, diagnosis. Surgical treatment.
33. Gall bladder disease. Pathogenesis, diagnosis, clinical findings. Complications. Surgical treatment.
34. Acute cholecistitis. Types, diagnosis, clinical findings. Treatment.
35. Acute pancreatitis. Pathogenesis. Types. Clinical findings. Diagnosis. Treatment.
36. Hydatid disease. Contamination. Structure of the cyst. Clinical findings, diagnosis. Surgical treatment.
37. Peritonitis. Classification, etiology, clinical findings, diagnosis, Treatment.
38. Colon cancer – Frequency, localization, Clinical findings. Treatment.
39. Rectal cancer - Diagnosis. Clinical findings. Treatment
40. Ileus – classification, pathogenesis, clinical findings, tactics, treatment.
41. Obturational ileus – etiology, treatment.
42. Strangulation ileus – etiology, treatment.
43. Intussusception- localization, types. Diagnosis, clinical findings. Treatment
44. Trauma of urogenital tract – Clinical findings, diagnosis, treatment.
45. Acute arterial insufficiency of the limbs

Head of Department Surgical Diseases.....

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