



SYNOPSIS

GENERAL SURGERY, INCL. ANESTHESIOLOGY AND EMERGENCIES

FOR STUDENTS OF DENTAL MEDICINE

- 1 A brief history of surgery in the world and in Bulgaria
- 2 Structure of the surgical department. Organization and planning of surgical treatment.
- 3 Operative risk- definition, types, meaning. Principles of pre-operative preparation and postoperative management.
- 4 Surgical operation - definition, types of operations, goals. Indications and contraindications for surgical intervention.
- 5 Surgical instruments, suture material
- 6 Asepsis and antiseptics - types of antiseptics. Sterilization - forms. Preparation of the operative field.
- 7 Punctures, catheterizations.
- 8 Gastroduodenal probing, enemas.
- 9 Injections, infusions.
- 10 Dressings with bandages.
- 11 Wound dressings. Drain.
- 12 Antibiotic therapy in modern medicine and particular in surgery
- 13 Basic principles and methods of anaesthesia in surgery. Specifics of anaesthesia in dentistry
- 14 Basic principles of anaesthesiology.
- 15 Shock.

- 16 Clinical death. Cardiopulmonary resuscitation (CPR).
- 17 Bleeding. Pathophysiology of acute blood loss. Classification. Clinical picture. Treatment.
- 18 Hemostasis - spontaneous and artificial.
- 19 Blood transfusion. Basic blood group systems. Types of blood transfusion.
- 20 Anamnesis in surgery.
- 21 General surgical patient status.
- 22 Head examination.
- 23 Congenital clefts of the skull and spine.
- 24 Congenital anomalies of the face and neck.
- 25 Examination of blood vessels.
- 26 Examination of the chest wall and chest organs.
- 27 Examination of the abdomen.
- 28 Examination of the digestive system.
- 29 Examination of the liver, bile ducts and pancreas.
- 30 Examination of the urinary system.
- 31 Examination of bones and joints.
- 32 Open injuries - types of wounds. Phases in wound healing.
- 33 Traumatic diseases. Covered mechanical injuries – contusion, crushing, decollement, stretching and tearing.
- 34 Fractures of the bones.
- 35 Thermal trauma – heatstroke, sunstroke, burn.
- 36 Frostbite. Electrical injuries. Chemical burns. Radiation damage.
- 37 Inflammatory diseases. Surgical infection - types. General and local reactions of the body.
- 38 Acute local purulent infections – folliculitis, furuncle, carbuncle, hidradenitis.
- 39 Phlegmon. Abscess.
- 40 Panaritium.
- 41 Sepsis.
- 42 Anaerobic gas infection.
- 43 Tetanus.
- 44 Chronic surgical infection. Syphilis, AIDS, Hepatitis. Tuberculosis. Actinomycosis.
- 45 Rabies.

- 46 Anthrax.
- 47 Echinococcosis.
- 48 Ulcers and fistulas.
- 49 Basic principles in oncology. Types of tumours. Etiology and pathogenesis of tumours.
- 50 Role of classification and developmental staging. Basic elements of the clinical manifestations of tumours. Principles of diagnostics.
- 51 Basic principles of surgical treatment of tumours.
- 52 Cancer of the tongue and lips.
- 53 Basic principles of transplantation.

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