

QUESTIONS AT PRACTICAL CLASSES

IV semester

1. Theme: INTRODUCTION IN DISCIPLINE STUDYING “GENERAL SURGERY”

Key questions

1. History development of surgery, asepsis, antiseptics, anaesthesia, blood transfusion.
The basic stages of development: from ancient times till now.
2. Communication of surgery with other medical disciplines.
3. Development of surgery and the organisation of the surgical aid in Byelorussia.
4. Organisation of primary and specialised, urgent and elective medical aid.
5. Organisation of the surgical aid in outpatient departments and in the hospitals.
Surgery of “one” day.
6. Purpose and task discipline of “General surgery”.
7. History development of organs and tissues transplantation.
8. Transplantology in Byelorussia.
9. Concept about surgery and surgical diseases.
10. Deontology in surgery.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.- 220 p.
- Lecture.

2. Theme: TYPES OF BANDAGES. TECHNIQUES OF BANDAGE APPLICATION ON THE HEAD AND THE TRUNK

Key questions

1. Concept about bandages and a dressing.
2. Indications and contraindications to application of bandages.
3. Kinds of bandages (on character of a used material, appointment, a way of fastening of a dressing, bandaging type, character and the purpose of immobilization).
4. Techniques of bandage application on the head and the trunk:
 - on the head - a cap, Hippocrates cap;
 - on the nape - crosswise;
 - on the eye - monocular; on both eyes - binocular;
 - on the nose, a chin and lips - sling;
 - on the neck - circular bandage.
 - on the thorax – spiral, crosswise;
 - on the interscapular region – crosswise;
 - on the mammary gland – supporting;
 - on the clavicle - Desault's bandage;
 - on the perineum – figure-of-eight;
 - on the scrotum – suspensory;
 - on the abdomen – spiral bandage.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.- 220 p.
- Дешук, А.Н. Десмургия : пособие для студентов факультета иностранных учащихся с английским языком обучения (специальность 1-79 01 01 «Лечебное дело» [на англ. яз.] [Электронный ресурс]. = Desmurgy : Manual for the Medical Faculty for International Students (Course of studies in English) / А.Н.Дешук.-Гродно : ГрГМУ, 2018.- Электрон. текст. дан.-1 эл. опт. диск (CD-ROM).

3. Theme: TECHNIQUES OF BANDAGE APPLICATION ON THE LIMBS

Key questions

1. Bandaging rules.
2. Soft strengthening (kerchiefs, glutinous, adhesive plasters, slings, T-shaped, gauze bandage, tubular bandage) bandages.
3. Soft immobilized and compressive bandages.
4. Elastic bandages. Indications for using.
5. Techniques of bandage application on the limbs:
 - on humeral and hip joints - spica;
 - on the elbow joint – turtle (divergent and convergent);
 - on the shoulder and a forearm - spiral;
 - on the hand– crosswise, "mitten", "glove";
 - on the finger – spiral;
 - on the basis of a thumb – spica;
 - on the foot - coming back;
 - on the ankle joint – figure-of-eight;
 - on the shin and hip – spiral;
 - on the knee joint – turtle (divergent and convergent);
 - on the inguinal region - spica;
 - on the buttock – spica.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.- 220 p.
- Дешук, А.Н. Десмургия : пособие для студентов факультета иностранных учащихся с английским языком обучения (специальность 1-79 01 01 «Лечебное дело» [на англ. яз.] [Электронный ресурс]. = Desmurgy : Manual for the Medical Faculty for International Students (Course of studies in English) / А.Н.Дешук.-Гродно : ГрГМУ, 2018.- Электрон. текст. дан.-1 эл. опт. диск (CD-ROM).

4. Theme: SOURCES OF INFECTION. WAYS OF INVASION OF INFECTION. MODERN METHODS OF AIR INFECTION PROPHYLAXIS

Key questions

1. Sources and ways of distribution of infection.
2. Hospital infection.
3. Prophylaxis of AIDS in surgery.
4. Air infection prophylaxis.
5. Arrangement of surgical department (wards, the operational block, dressing room, procedural room, bathroom, linen room, eating establishment, dining room, staff lounge, etc.).
6. Rooms of the operational block: operating room, preoperative room, sterilization room, instrumental room, room for the patient, room for the personnel, room for the equipment.
7. Types of the operating room cleaning (preliminary, current, postoperative, final, general).

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.- 220 p.
- Lecture.

5. Theme: MODERN METHODS OF STERILIZATION. STERILITY CONTROL

Key questions

1. Contact infection prophylaxis.
2. Autoclave structure.
3. Types of surgical instruments. Desinfection, presterilizing preparation and sterilization of instruments.
4. Sterilization of bandaging and linen.
5. Sterilization of gloves.
6. Sterility control.
7. Prophylaxis of implantation infection.
8. Suture materials, their types.
9. Sterilization of artificial prostheses.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.- 220 p.
- Lecture.

6. Theme: SURGICAL HAND ANTISEPSIS. PREOPERATIVE SKIN PREPARATION

Key questions

1. Preparation the personal to the operation.
2. Surgical hand antisepsis.
3. Preoperative skin preparation (general, special).
4. Cleansing of surgeon's hands during the operation.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.- 220 p.
- Lecture.

7. Theme: TYPES OF ANTISEPSIS. MODERN METHODS OF PHYSICAL AND BIOLOGICAL ANTISEPSIS

Key questions

1. Antisepsis. Types of antisepsis.
2. Methods of mechanical antisepsis.
3. Methods of physical antisepsis.
4. Chemical antiseptics. The substances used for chemical antiseptics.
5. Biological antiseptics.
6. Antibiotics, their application in surgery. Principles of rational antibiotic therapy.
7. The complications due to antibiotics and their prophylaxis.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.- 220 p..
- Lecture.

8. Theme: COMBINED ANTISEPSIS. WORK OF A PROCEDURE ROOM

Key questions

1. Combined antiseptics.
2. Organization of work in a procedure room.
3. Principles of medical drugs dissolution and the rules of taking drugs from ampoules and vials.
4. Methods of subcutaneous and intramuscular injections.
5. Filling in the system for intravenous infusion.
6. Venipuncture.
7. Complications at intramuscular injections.
8. Complications at intravenous infusions, their prophylaxis.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.- 220 p.
- Lecture.

V semester

9. Theme: INHALATION NARCOSIS

Key questions

1. Narcosis, types of narcosis.
2. Inhalation narcosis. Narcotic substances, the equipment used during inhalation narcosis.
3. Mixed and combined narcosis. Principles of potentiation in narcosis.
4. Positive and negative properties of ether and other drugs of anesthesia.
5. Gaseous narcotic drugs.
6. Endotracheal and endobronchial narcosis and ALV.
7. Application of muscular relaxants during endotracheal narcosis.
8. Management of the airway during anesthesia.
9. Preparation of the patient to narcosis.
10. Monitoring of the anesthetized patient.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.- 220 p.
- Lecture.

10.Theme: INTRAVENOUS NARCOSIS. LOCAL ANESTHESIA

Key questions

1. The agents used in intravenous general anaesthesia.
2. Neuroleptanalgesia.
3. Advantages and disadvantages of intravenous narcosis.
4. Classification of local anesthesia.
5. Local anesthetics.
6. Contraindications for local anesthesia.
7. Spinal anesthesia, complications.
8. Epidural anesthesia, prolonged epidural anesthesia.
9. Types of blocks.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

11. Theme: COMPLICATIONS OF NARCOSIS AND LOCAL ANESTHESIA. TERMINAL CONDITIONS

Key questions

1. Complications of narcosis and local anesthesia.
2. The causes of asphyxia. Clinical symptoms of asphyxia.
3. Prophylaxis and help in laryngospasm, bronchospasm, falling back of the tongue, vomiting.
4. Terminal conditions, clinical symptoms and medical assistance.
5. Methods of artificial respiration.
6. Cardiac arrest. Symptoms of primary cardiac arrest.
7. Closed cardiac massage.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

12. Theme: METHODS OF TEMPORARY AND FINAL CONTROL OF BLEEDING

Key questions

1. The causes of hemorrhage.
2. Types of hemorrhage.
3. Measuring blood loss.
4. Pathological reactions and adaptive mechanisms in hemorrhage.
5. Symptoms of internal hemorrhage.
6. Mechanisms of the bleeding self-stopping.
7. Methods of temporary control of bleeding.
8. Technique of tourniquet application and digital pressing the arteries.
9. Methods of bleeding final control.
10. Chemical hemostatics.
11. Biological hemostatics.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

13. Theme: GENERAL QUESTIONS OF HEMOTRASFUSIOLOGY

Key questions

1. Agglutinogens and agglutinins, their versions.
2. Principles of isohemagglutinated reaction.
3. Rh-system and its features.
4. Blood grouping by standard blood serum, standard erythrocytes and colyclone anti-A, anti-B.
5. Rhesus factor determination by Rh-antiserum and by colyclone anti-D.
6. Requirements to standard blood serums.
7. Mistakes at blood grouping.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

14. Theme: BLOOD COMPONENTS TRANSFUSION

Key questions

1. Donor service. Contra-indications for being a donor, health protection of donors.
2. Other sources of blood reception (autoblood, umbilical-placental).
3. Components and preparations of blood.
4. Ways of blood preparation and methods of its conservation.
5. The doctor's performance before blood components transfusion.
6. Indications and contra-indications for blood components transfusion.
7. Determination of the validity of blood.
8. Determination of individual compatibility.
9. Determination of compatibility by Rhesus factor.
10. Biological test.
11. Technique of indirect blood transfusion. Preparation and filling the system.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

15. Theme: COMPLICATIONS AT BLOOD TRANSFUSION. BLOOD SUBSTITUTES

Key questions

1. Complications at blood transfusion (types).
2. Posttransfusion reactions.
3. Air embolism, mechanisms of occurrence, prophylaxis.
4. Clinical picture and treatment of posttransfusion shock.
5. Syndrome of massive transfusions.
6. Citrate and potassium intoxication.
7. Syndrome of acute pulmonary insufficiency.
8. Blood substitutes, classification, mechanism of action in groups.
9. Preparations for parenteral nutrition.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

16. Theme: CLOSED INJURIES OF THE SKULL, THORAX, ABDOMEN

Key questions

1. Classification of injuries. Severity of injuries. Danger of injuries.
2. Closed injuries. Types. Pathologic changes in soft tissues. Treatment.
3. Cranio-cerebral injuries: concussion, compression, contusion of brain.
4. Trauma of thorax: contusion, fracture of ribs, pneumothorax, hemothorax.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

17. Theme: SYNDROME OF PROLONGED COMPRESSION

Key questions

1. Syndrome of prolonged compression:

- ✓ etiology, pathogenesis, mechanism of renal insufficiency development;
- ✓ time periods of compression syndrome;
- ✓ degrees of severity;
- ✓ clinical signs;
- ✓ first-aid treatment;
- ✓ principles of treatment.

2. Syndrome of positional compression.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

18. Theme: PROCESSES IN HEALING WOUNDS. TYPES OF HEALING

Key questions

1. Description of wounds.
2. Classification of wounds.
3. Symptoms of wounds.
4. Types of healing.
5. The conditions determining the type of healing.
6. Stages of healing process.
7. Course of pathological processes in healing wounds by a primary and secondary tension.
8. Healing wounds under a scab.
9. Primary surgical treatment of wounds. Indications. Techniques. Terms and principles of performance. Contraindications.
10. Secondary surgical treatment of wounds.
11. Treatment of purulent wounds, kinds.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

19. Theme: TREATMENT OF WOUNDS. WORK IN A DRESSING ROOM

Key questions

1. Primary surgical sutures (early, delayed).
2. Secondary sutures (early, late).
3. Organization of work in a dressing room.
4. Preparation of a sterile little table.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

20. Theme: TRANSPORT IMMOBILIZATION. DISLOCATIONS

Key questions

1. Indications for immobilization.
2. Principles of immobilization.
3. The purpose of transport immobilization.
4. Applying splints in various localizations of fractures.
5. Dislocations. Classification. Mechanism of occurrence. Symptoms. Diagnostics.
6. Treatment of dislocations. Ordinary dislocation.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

21. Theme: GENERAL PRINCIPLES DIAGNOSTICS AND TREATMENT OF FRACTURES. TYPES OF PLASTER CASTS

Key questions

1. Classification of fractures.
2. Types and the causes of displacement.
3. Diagnostics of bone fractures: symptoms, radiography.
4. Regeneration of bone tissue, types of bone callous.
5. Chemical structure and properties of plaster.
6. Preparation of plaster bandages.
7. Kinds and types of plaster casts and ways of their application.
8. The middle-physiological and functional - favourable position of limbs.
9. Removal of plaster cast.
10. Treatment of bone fractures: reposition, immobilization, acceleration of consolidation.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

22. Theme: INDICATIONS AND CONTRAINDICATIONS TO OPERATIVE TREATMENT OF FRACTURES. COMPLICATIONS OF FRACTURES

Key questions

1. Reposition, types, conditions of its performance.
2. Extension by soft tissues: adhesive plaster traction, glue traction.
3. Indications for skeletal extension, techniques of its performance.
4. Points of carrying out the extension wire.
5. Compressive-distractive osteosynthesis (Ilizarov's apparatus, Gudushauri's apparatus).
6. Operative treatment of fractures: indications, methods of fixing of bone fragments.
7. Complications of fractures.
8. Pseudoarthrosis. Causes. Treatment.
9. Traumatic shock. Stages. Clinical symptoms. Principles of treatment.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

23. Theme: BURNS. BURN DISEASE. FROSTBITES

Key questions

1. Classification of burns.
2. Systemic effects of burning.
3. Determination of the area and depth of the burned surface.
4. Criteria of severity of burned injury.
5. Principles of the first medical aid in burns.
6. Local and general treatment.
7. Principles of transfusion therapies in burn disease.
8. Frostbites. Etiology. Pathogenesis. Symptoms. Diagnosis. Treatment.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

24. Theme: GENERAL DISORDERS IN DAMAGES

Key questions

1. Classification of general disorders in damages.
2. Syncope. Clinic. Medical care.
3. Collapse, the causes. Treatment of hypovolemic and normovolemic collapse.
4. Traumatic shock, etiology. Pathogenesis: essence of circulatory disorders in shock (phenomenon of central blood circulation). Disorders of blood flow properties and hemostasis.
5. Traumatic shock. Stages. Clinical symptoms. Principles of infusion therapy.
6. Treatment of traumatic shock.
7. Prophylaxis of shock during the medical care provision to the wounded patients.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

25. Theme: PREOPERATIVE PREPARATION

Key questions

1. Preparation of the patient for operation. Preoperative care: general, special, system-based.
2. Basic goals and principles of preliminary and immediate preparation for operation.
3. Premedication.
4. Techniques of gastric lavage, catheterization of urinary bladder.
5. Preparation for operation on gastrointestinal tract. Types of enemas, techniques of the performance.
6. Features of patients preparation depending on the degree of operational risk.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

26. Theme: SURGICAL OPERATION

Key questions

1. Surgical operation. Types of operative interventions.
2. Ways of exogenous infection intervention into a wound.
3. Prophylaxis of contact infection.
4. Prophylaxis of air-drop infection.
5. Prophylaxis of implantation infection.
6. Methods of final control of bleeding.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

27. Theme: POSTOPERATIVE PERIOD

Key questions

1. Postoperative period.
2. Postoperative complications.
3. Prophylaxis and treatment of motor intestinal upset.
4. Treatment of urination disorders.
5. Prophylaxis of pulmonary complications.
6. Prophylaxis of decubituses.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

VI semester

28. Theme: PURULENT DISEASES OF SOFT TISSUES

Key questions

1. Furuncle, furunculosis.
2. Carbuncle.
3. Abscess.
4. Phlegmon.
5. Clinical signs. Principles of diagnosing and treatment of all the listed above diseases.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

29. Theme: PURULENT DISEASES OF GLANDULAR ORGANS

Key questions

1. Etiology and pathogenesis of mastitises.
2. Stages and forms of mastitis.
3. Localization of abscesses.
4. Features of abscess lancing.
5. Prophylaxis of mastitis.
6. Hydradenitis: etiology, pathogenesis, clinical signs, diagnostic, treatment.
7. Parotitis: etiology, pathogenesis, clinical signs, diagnostic, treatment.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

30. Theme: PURULENT DISEASES OF FINGERS AND HAND

Key questions

1. Etiology of panaritium.
2. Classification of panaritium.
3. Peculiarities of clinical signs and course in every form of panaritium.
4. Principles of treatment depending on the stage and phase of the inflammatory process.
5. Methods and techniques of operative treatment in each form of panaritium.
6. Classification of pyoinflammatory processes of the hand (palmar and back surface).
7. Features of treatment of separate localizations of hand abscesses.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

31.Theme: PURULENT DISEASES OF LYMPHATIC SYSTEM

Key questions

1. Erysipelas.
2. Lymphangitis, lymphadenitis.
3. Etiology, pathogenesis, clinical signs, principles of diagnosing and treatment.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

32. Theme: ACUTE AND CHRONIC OSTEOMYELITIS

Key questions

1. Etiology and pathogenesis of acute and chronic osteomyelitis.
2. Stages of acute hematogenous osteomyelitis.
3. Clinical signs of osteomyelitis.
4. Radiological signs of acute and chronic osteomyelitis.
5. Types of sequestrums.
6. Forms of primary chronic osteomyelitis.
7. Treatment of acute and chronic osteomyelitis (conservative, operative).

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

33. Theme: PURULO-INFLAMMATIVE DISEASES OF SEROUS MEMBRANES

Key questions

1. Acute purulent diseases of serous membranes (pleuritis, peritonitis): classification.
2. Etiology and pathogenesis.
3. Clinical signs.
4. Diagnostics and principles of treatment.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

34. Theme: TETANUS

Key questions

1. Etiology and pathogenesis of tetanus.
2. Classification of tetanus.
3. Clinical signs of tetanus:
 - ✓ initial symptoms
 - ✓ early symptoms
 - ✓ typical and atypical course.
4. Complications and the reasons of death due to tetanus.
5. Features of transportation of the patient with tetanus.
6. Treatment:
 - ✓ reduction of entrance and neutralization of tetanic toxin
 - ✓ reduction and eradication of spasms
 - ✓ prophylaxis of complications, normalization of cardiac function and improvement of pulmonary ventilation.
7. Prophylaxis of tetanus: nonspecific and specific, elective and emergency (passive, active, active - passive).

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

35. Theme: GAS GANGRENE

Key questions

1. Etiology and pathogenesis of gas gangrene.
2. Classification of anaerobic infection.
3. Clinical stages of gas gangrene.
4. Semiology.
5. Methods of diagnostics.
6. Treatment: surgical, specific, nonspecific.
7. Prophylaxis of gas gangrene.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

36. Theme: CHRONIC SPECIFIC INFECTION

Key questions

1. Tuberculosis. Etiology. Pathogenesis. Forms of tubercular surgical infection. Diagnostics.
2. Tuberculosis of bones. Stages of bone tuberculosis by Kornev. Clinical signs depending on a stage. Treatment: general, local. Types of operations.
3. Tuberculosis of joints. Forms of tubercular lesion of joints. Diagnostics. Treatment.
4. Tuberculosis of lymph nodes. Forms. General and local treatment. The indication for operative treatment.
5. Actinomycosis. Etiology. Pathogenesis. Clinical signs depending on localization of process. Diagnostics. Treatment.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

37. Theme: SURGICAL SEPSIS

Key questions

1. Etiology.
2. Pathogenesis.
3. Classification of sepsis.
4. Clinical signs.
5. Diagnostics.
6. Forms of sepsis.
7. Principles of treatment: local, general.
8. Features of antibacterial therapy.
9. Modern methods of detoxication.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

38. Theme: BLOOD CIRCULATION DISORDERS

Key questions

1. Acute arterial insufficiency.
2. Thromboses. Embolisms.
3. Chronic arterial insufficiency.
4. Obliterating endarteritis and atherosclerosis of arteries of lower limbs.
5. Diabetic angiopathy.
6. Syndrome of acute venous insufficiency.
7. Acute thrombophlebitis of deep and superficial veins. Phlebothrombosis.
8. Postthrombophlebitic syndrome.
9. Necrosis, gangrene, ulcer, fistulas.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

39. Theme: GENERAL QUESTIONS OF ONCOLOGY

Key questions

1. Main features of tumor growth. Development phases of malignant growth.
2. Theory of tumour occurrence. Carcinogenic factors and oncogenic virus.
3. Physical and chemical carcinogenic factors.
4. Biological carcinogenic factors.
5. Cancer prophylaxis. Precancer, carcinogenic factors, immunological resistance.
6. Clinical groups of oncological patients.
7. Clinical stages of malignant growth. Metastasing, recurrent tumors.
8. International classification (terminology) of malignant growth stages.
9. Treatment methods of patients with malignant neoplasms.
10. Surgical treatment of malignant growths, possible kinds of operations.
11. Ablastics and antiblastics.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

40. Theme: TRANSPLANTATION ORGANS AND TISSUES IN SURGERY

Key questions

1. Modern terminology of transplantology: vital and static transplants; orthotopic and heterotopic transplantation; autoplasty, alloplasty, xenoplasty, heteroplasty.
2. Problem of biological compatibility and ways of its overcoming.
3. Plasty of skin, muscles, tendons.
4. Plasty of bones, joints and nerves.
5. Organs and endocrine gland transplantation.
6. Microsurgical methods in plastic and regenerative surgery.
7. Social and psychological problems in the transplantation of organs.
8. Methods of skin plasty.
9. Application of metals and synthetic materials in reconstructive surgery.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Lecture.

41. Theme: TAKING ANAMNESIS

Key questions

1. Filling in the passport part of a case history.
2. Collecting complaints on systems: breathing, cardiovascular system, digestion, urinogenital system, nervous system, bones and joints.
3. History of the present disease: the beginning of a disease, the cause, contributory factors, the course of symptoms development.
4. History of life of a patient: the childhood, youth, working conditions, living conditions, diseases, operations, heredity, family anamnesis, harmful habits, allergic anamnesis.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Довнар, И.С. Схема истории болезни в клинике общей хирургии : учебно-методические рекомендации для студентов факультета иностранных учащихся, обучающихся на английском языке (специальность 1 79 01 01 «Лечебное дело») = Case history plan in the clinic of general surgery : Guidelines to a concise and systemic study for the Faculty of International Students (III year, English medium) [Электронный ресурс] / И.С.Довнар, А.Н.Дешук.-Электрон. текст. дан. и прогр. (объем 5,5 Mb).- Гродно : ГрГМУ, 2016.- 1 электрон. Опт. диск (CD-ROM).

42. Theme: OBJECTIVE EXAMINATION OF PATIENTS

Key questions

1. General examination. Palpation of lymph nodes. Examination of bones and joints. Measurements: absolute and relative length of limbs, circles, line.
2. Methods of the respiratory organs examination.
3. Cardiovascular system. Definition of pulsation on all peripheral vessels. Auscultation of large vessels.
4. Methods of the digestive organs examination. Symptoms of irritation of peritoneum: Voskresensky, Razdolsky, Stchetkin-Blumberg. Determination of the borders and the sizes of liver, free gas and liquid in the abdominal cavity.
5. Urinogenital system.
6. Nervous system.
7. Examination of the local manifestation of disease - st. localis.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Довнар, И.С. Схема истории болезни в клинике общей хирургии : учебно-методические рекомендации для студентов факультета иностранных учащихся, обучающихся на английском языке (специальность 1 79 01 01 «Лечебное дело») = Case history plan in the clinic of general surgery : Guidelines to a concise and systemic study for the Faculty of International Students (III year, English medium) [Электронный ресурс] / И.С.Довнар, А.Н.Дешук.-Электрон. текст. дан. и прогр. (объем 5,5 Mb).- Гродно : ГрГМУ, 2016.- 1 электрон. Опт. диск (CD-ROM).

43. Theme: CASE HISTORY

Key questions

1. Revise the method of examination of a surgical patient.
2. Take the history.
3. Objective examination on systems.
4. The description of local manifestation of disease.
5. Write the case history, applying the learned examination method.

Sources of information

- Gostishchev V. K. General surgery. The manual. M.: GEOTAR-MED, 2019.-220 p.
- Довнар, И.С. Схема истории болезни в клинике общей хирургии : учебно-методические рекомендации для студентов факультета иностранных учащихся, обучающихся на английском языке (специальность 1 79 01 01 «Лечебное дело») = Case history plan in the clinic of general surgery : Guidelines to a concise and systemic study for the Faculty of International Students (III year, English medium) [Электронный ресурс] / И.С.Довнар, А.Н.Дешук.-Электрон. текст. дан. и прогр. (объем 5,5 Mb).- Гродно : ГрГМУ, 2016.- 1 электрон. опт. диск (CD-ROM).