

**Thematic plan of practical lessons from discipline «General surgery»
for the students of a 3 course**

№	Theme of lessons	hours
1	Surgery as science. History of development of surgery. Deontology in surgery. Organization of surgery help. Surgical permanent establishment of clinical base. Sanitary – hygienic requirements to the medical personnel of surgical department and students of medical faculty.	2
2	Antisepsis. History of the development. Types of antisepsis. Chemical antisepsis. Basic methods of the use of antisepsis.	2
3	Asepsis. History of the development. Types of asepsis. Ways of distribution of infection. Structure and sanitare-hygenic mode of surgical department and operating blocks. Asepsis. Preventive measures of contact and implantation infections. Preparation and sterilization of dressing and stitch material, operation linen, gloves, surgical instruments.	2
4	Asepsis. Prophylaxis of contact infection. Disinfections of hands of surgeon and operating field before the operation.	2
5	Bleeding. Classification. Ethio-pathogenesis. Clinical picture. Diagnostic. Methods of determination of bloodloss. Methods of arrest of the bleeding.	2
6	Bases of isoserology. Blood types and rhesus factor. Opening history. Methods of determination of blood and rhesus factor types.	2
7	Transfusiology. The rules of the blood transfusion, possible complication. Their prophylaxis and treatment of complications. Transfusiology. Components of blood and blood substitutes. Transfusion therapy, complications, their prophylaxis, and treatment.	2
8	Surgical infection. Infection agents, their description. General principles of treatment of patients with a purulent disease. Purulent diseases of skin and hypoderm. Acute purulent diseases of cellular tissue.	2
9	Acute purulent diseases of lymphatic vessels and lymphatic knots, serosal cavities.	2
10	Acute purulent non specific infection of bones and joints. Felon.	2
11	Acute anaerobic infection (gas gangrene, diphtheria of wounds), tetanus, anthrax, rabies.	2
12	Damage (trauma). Features of examination of patients with trauma. Desmurgy. Soft bandages. Hard and hardening bandages. Work in dressing room. Practical use of desmurgies.	2
13	Closed damages of soft tissue. Crush-syndrome. Closed damages of skull, thorax, abdominal cavity, retroperitoneal space.	2
14	Dislocations. Fractures.	2
15	Wounds. Classification. Phases of wound process.	2
16	Treatment of wounds.	2
17	Thermal, chemical and radiation burns. Burns disease.	2
18	Local anesthesia. Topical anesthetics. The kinds of local anesthesia. Technique of performing. Possible complications, their prevention and treatment.	2
19	Novocain blockades. Technique of performing. Prevention of complications.	2
20	General anesthesia (narcosis). Theories. History of development. Preparation of patients for narcosis. Kinds of narcosis. Inhalation narcosis.	2
21	Non-inhalation narcosis. Intensive care during and after narcosis.	2
22	Resuscitation. History of development. Basic principles of cardiopulmonary resuscitation at the terminal states.	2
23	Basis of clinical oncology. Theories of cancer genesis. Clinical symptoms. Diagnostic of malignant tumors.	2
24	Modern principles of treatment of malignant tumors	2
25	Anomalies of development and monstrosities.	2
26	Insufficiency of blood and lymph circulation. Embolism and thrombosis of vessels. Etiology and pathogenesis. Clinic. Diagnostic. Treatment.	2
27	Necrotic processes (gangrene, trophic ulcers, fistulae, bedsores).	2
28	General examination of surgical patients: rules and principles of anamnestic examination. Objective examination of skin, its appendages, of peripheral lymph nodes.	2
29	Technique of examination of head, neck, mammary glands, chest, abdomen.	4

30	Methods of examination of the perineum and rectum, vascular and locomotorium systems.	2
31	Examination of the surgical patient and observation during his treatment.	4
32	Defense of case history.	4
Final module control		2
All		72

Manager of course
General surgery docent

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