

APPROVED

First Vice-Rector on scientific and pedagogical work

Poltava State Medical University

Professor _____ V.N.Dvornyk

" 27" _____ 08 _____ 2021

Schedule of practical classes

For III years students of medical department of 2021-2022 ed.y. 222 "MEDICAL BUSINESS"

Module 1**Module 1 Introduction to surgery. Desmurgy. Fundamentals of the sanitary-epidemiological regime in the surgical clinic. Urgent surgical conditions. Fundamentals of Transfusiology, Anesthesiology and Reanimatology**

№	Topic	number of hours
Substantial module 1. Introductions in surgery. Bandages. Asepsis and antiseptics.		
1	Desmurgy. Definition. Overlay rules and types of bandages. Typical bandages on the upper extremities, head, neck, thorax.	2
2	Desmurgy. Bandages on the abdomen, perineum, lower limb. Gypsum technic	2
3	Antiseptic. Types of antiseptics. Characteristics of the main groups of antiseptic agents and the main methods of their use.	2
4	Hospital infection. Sanitary-epidemiological regime. Asepsis.	2
5	Surgery. Classification of surgical operations. Stages of surgical intervention. Preoperative preparation of the patient and management of the postoperative period. Features of surgical intervention in the context of an incurable disease, indications. The concept of palliative surgery.	2
Content module 2. Bleeding, blood loss. Bases of blood transfusion.		
6	Bleeding and blood loss. Methods of temporary and final halting of bleeding.	2
7	Blood transfusion. Determination of blood groups according to ABO and Rh-factor. Samples for individual compatibility according to ABO and Rh-factor systems, biological test.	2
8	Operation of blood transfusion. Features of transfusion of various components of blood and blood substitutes.	2
9	Complications of blood transfusion and their prevention. Prevention of the transmission of infectious diseases during the transfusion of blood components. Blood substitutes: classification, mechanism of action, indications and methods of application.	2
Substantial module 3. Bases of anesthesiology and resuscitation.		
10	Local anesthesia. Kinds. Indications, contraindications, complications.	2
11	General anesthesia. Inhalation and non-inhalation anesthesia. Indications and contraindications. Complications and their prevention.	2
12	Reanimatology: terminal states; clinical death; basic cardiopulmonary resuscitation.	2
Substantial module 4. Injury and damage		
13	Closed injuries of soft tissue: bruise, concussion, rupture. Clinic, diagnosis of closed soft tissue injuries, first aid, principles of treatment.	2
14	Fractures and dislocations: classification; clinical manifestations; diagnostics; first aid; principles of treatment.	2
15	Polytrauma. Multiple injuries, combined and combined injuries. Traumatic shock. Syndrome of prolonged compression: pathogenesis, clinic, diagnosis, first aid, principles of treatment.	2
16	Wounds, definitions, classification. The structure of the wound and the course of the wound process. Features of a modern gunshot wound and mine explosive damage. Accidental contaminated wound: conditions for the development of the infectious process in the wound and their elimination (PCO). Clean postoperative wounds, treatment features.	2

17	Infected wounds. Stages of the wound process. Treatment of an infected wound depending on the stage of the wound process. Clinical analysis of a patient with an infected wound.	2
18	Burns: classification, clinic. First aid for various types of burns. The defeat of the light radiation of a nuclear explosion. Burns caused by incendiary compounds.	2
19	Burn disease. Treatment of a burn in a hospital, depending on the period of burn disease. Types of surgical operations used in the treatment of burns.	2
20	Frostbites. Classification. Mechanism of defeat. Clinical signs. First aid and treatment. Electrical injury: the mechanism of electric shock; Clinical signs; diagnostics; first aid and its features.	2
	Final modul control 1	2
	TOTAL:	42

Module 2

Surgical infection. Necrosis. Bases of transplantology and clinical oncology. Methods of examination of surgical patients

№	Topic	number of hours
Substantial module 1. Surgical infection. necrosis		
21	General issues of surgical infection: classification; pathogens of a surgical infection; translocation. Pathogenesis of development of local and general reaction of an organism at a surgical infection. Principles of diagnosis and treatment. Abscess, phlegmon.	2
22	Acute purulent diseases of soft tissues furuncle, carbuncle, hydradenitis, mastitis, paraproctitis, erysipelas.	2
23	Felon. Phlegmon hands. Features of the anatomical structure of the hand. Etiology, pathogenesis, clinic, diagnostics, treatment. Lymphangitis, lymphadenitis: etiology, pathogenesis, clinic, diagnosis, treatment principles.	2
24	Putrefactive surgical infection: pathogens, features of clinical symptoms and course, principles of treatment. Anaerobic gas gangrene: etiology, pathogenesis, clinic, treatment, specific and nonspecific prevention.	2
25	Tetanus. Anthrax. Diphtheria of a wound. Etiology, pathogenesis, clinic, diagnosis, treatment, prevention. Diagnosis, prevention and treatment of tetanus in conditions of military operations and extreme situations.	2
26	Surgical sepsis (sepsis-3): definition, etiology, classification, pathogenesis, clinical manifestations, diagnosis, treatment principles. Septic shock. Syndrome of multiple organ failure. Detoxification therapy and immunocorrection.	2
27	Deadness. Necrosis. Gangrene. Ulcers. Fistula. Causes of occurrence. Clinical manifestations, diagnosis, treatment.	2
Substantial module 2. Fundamentals of transplantology and clinical oncology.		
28	Transplantology. Classification of transplants. Features of application of different types of grafts. Deontological aspects, legal and legal basis for transplantation.	2
29	Tumors. Etiology, pathogenesis. Benign and malignant tumors. Histogenetic, morphological, clinical and international (TNM) classification. Clinical groups of cancer patients. Clinical manifestations. Methods of diagnostics. Principles of treatment.	2
Substantial module 3. The technique of examination and curation of a surgical patient.		
30	Examination of a surgical patient. Collection of complaints, anamnesis of disease and life. Objective examination of the head, neck, chest. Abdomen, musculoskeletal system, vessels, lymph nodes.	2
31	Curation of a surgical patient (first session).	2
32	Curation of a surgical patient (second session).	2
33	Defence of hospital chart (medical history).	2
	Final modul control 2:	2
	TOTAL	28

Head of Department of General Surgery, Professor

Ligonenko A.V.