

Thematic plan of practical classes modul 2
"Thoracic Surgery and polytravma" for students of the 5th course
specialty " Human Medicine" 2024 – 2025 academic year

№ з/п	Topic	quantity of hours
1	2	3
<i>Module 1 "Surgical diseases of the chest and organs of chest cavity"</i>		
1	Determining the level of knowledge on the issue, "General Surgery" and "Surgery" - 4th year. Modern methods of diagnosis and treatment of diseases of the respiratory and cardiovascular systems. Clinical manifestations of respiratory and cardiovascular disease, as a basis for diagnosis, differential diagnosis. Actions of a general practitioner in the chest pain.	2
2	Post-traumatic and spontaneous pneumothorax: causes and mechanism of pneumothorax, depending on the classification. Clinical manifestations, diagnosis and differential diagnosis, principles of the preliminary diagnosis, treatment tactics. Actions GP for suspected pneumothorax. Rehabilitation of patients	2
3	Subcutaneous and mediastinal emphysema: causes, clinical features, diagnosis, treatment.	2
4	Hemothorax, hemothorax. Causes, pathogenesis, classification, clinical manifestations, diagnosis, differential diagnosis. First aid, surgical approach and methods of surgical treatment. Rehabilitation of patients.	2
5	Pleuritis, acute pleural empyema, pneumothorax. Causes, pathogenesis, classification, clinical picture, diagnosis, differential diagnosis. Methods of conservative and surgical treatment of their appliances. Rehabilitation of patients.	2
6	Chronic pleural empyema. Causes, pathogenesis, classification, clinical picture, diagnosis, differential diagnosis. Methods of surgical treatment of their appliances. Rehabilitation of patients.	2
7	Pyogenic lung disease: lung abscess and gangrene. Causes, pathogenesis, classification, clinical picture, diagnosis, differential diagnosis.	2
8	Lung abscess and gangrene: treatment.	2
9	Mediastinitis: causes, mechanisms of development, classification, clinical manifestations, diagnosis and treatment. Rehabilitation of patients.	2
10	Bronchiectasis: causes, pathogenesis, pathological changes, clinical signs, diagnosis, treatment.	2
11	Benign tumors of the bronchi and lungs, lung cancer: reasons, types, clinical signs, diagnosis, differential diagnosis and treatment. Examination of disability and rehabilitation of patients.	2
12	Pulmonary hemorrhage: the sources and causes, clinical proyavleiya, diagnostics, differentsalnaya diagnosis, first aid and treatment.	2
13	The syndrome of dysphagia. Achalasia cardia and chaliasia, strictures and diverticula of the esophagus: Causes, pathogenesis, classification, clinic, diagnostics, differential diagnostika treatment.	2
14	Benign and malignant tumors of the esophagus: Causes, pathogenesis, clinical features, diagnosis and differential diagnosis, treatment, prognosis. Examination of disability and rehabilitation of patients.	2
15	Syndrome of gastro-esophageal reflux and heartburns. Gastroesophageal reflux disease, hiatal hernia, paraesophageal hernia (Barrett's esophagus): causes, pathogenesis, mechanisms of development, clinical diagnosis, differential diagnosis and treatment. Rehabilitation of patients. Relaxation of the diaphragm: causes, mechanisms of development, clinic, treatment. Rehabilitation of patients.	2

1	2	3
16	Non-inflammatory diseases of the mediastinum. Mediastinal tumors and cysts: types, classification, causes, clinical manifestations, diagnosis, differential diagnosis and treatment. Rehabilitation of patients.	2
17	Congenital and acquired heart defects. Reasons for classification, hemodynamics clinic. Action a general practitioner in cases of suspected the presence of heart disease. Modern methods of diagnosis and differential diagnosis.	2
18	Congenital and acquired heart defects: treatment. Extracorporeal circulation. Methods of surgical interventions of heart diseases and their complications.	2
19	Coronary artery disease. Myocardial infarction, cardiac aneurysm, cardiac conduction and cardiac rhythm: causes, pathogenesis, clinic, diagnostics. Action GP for suspected myocardial infarction patients and heart aneurysm	2
20	Invasive treatment of acute myocardial infarction and its complications (thrombolysis, angioplasty, kontrapulsion, pacing). Surgical treatment of post-infarction ventricular aneurysms and heart defects, surgical correction of bradycardia, paroxysmal tachycardia and ventricular fibrillation. Methods of surgical interventions.	2
21	Curation of patients and writing a history of the disease	2
Module 2 "Anomalies and diseases of breast and breast cancer"		
22	Benign and malignant tumors of breast. Causes, clinical picture, diagnosis, differential diagnosis, treatment. Indications and contraindications for surgery. Actions a general practitioner in the presence a tumor of a breast.	2
23	Dishormonal breast disease. Causes, clinical picture, diagnosis, differential diagnosis, treatment.	2
24	Malformations of the breast: causes, mechanisms of development, clinical manifestations, diagnosis, treatment. Inflammatory diseases of the breast. Mastitis: causes, clinical features, diagnosis and differential diagnosis, treatment, prevention.	2
Module 3: "The trauma of the abdominal and thoracic cavity. Combat trauma "		
25	Closed and open abdominal injury and his organs: abdominal trauma without damaging internal organs. Classification, mechanism of injury and clinical manifestations of the abdominal wall. Diagnostics and formation of the preliminary diagnosis. Therapeutic tactics, actions a general practitioner in the abdominal trauma.	2
26	Closed and open abdominal injury and his organs: abdominal trauma with damage of parenchymal organs. Classification, mechanism of injury and clinical manifestations of abdominal parenchymal organs and retroperitoneal space. Diagnostics and formation of the preliminary diagnosis. Therapeutic tactics, actions a general practitioner in the abdominal trauma.	2
27	Closed and open abdominal injury and his organs: abdominal trauma with damage of hollow organs and rectum. Classification, mechanism of injury and clinical manifestations of abdominal hollow organs and retroperitoneal space. Diagnostics and formation of the preliminary diagnosis. Therapeutic tactics, actions a general practitioner in the abdominal trauma.	2
28	Closed and open thoracal injury and his organs. Classification. Fracture of ribs and sternum. Mechanism of injury and clinical manifestations. Diagnostics and formation of the preliminary diagnosis. Therapeutic tactics, actions a general practitioner in the chest trauma.	2
29	Closed and open thoracal injury and his organs. Lung trauma. Mechanism of injury and clinical manifestations. Diagnostics and formation of the preliminary diagnosis. Therapeutic tactics, actions a general practitioner in lung trauma.	2
30	Closed and open thoracic injury and his organs. Mediastinal organs trauma (injury of heart, pericard, magistral vessels, trachea). Mechanism of injury and clinical manifestations. Diagnostics and formation of the preliminary diagnosis. Therapeutic tactics, actions a general practitioner in lung trauma.	2
31	Multiple trauma (polytrauma). The mechanism of injury, classification, characteristics of gravity. Shock and collapse in patients with multiple injuries, acute respiratory distress syndrome adults, multiple organ dysfunction syndrome: causes, pathogenesis. Features of clinical manifestations polytrauma depending on the combination of damage, the diagnostic program.	2

32	Multiple trauma (polytrauma). Emergency first aid, transport immobilization. Medical tactic.	2
33	Gunshot injury. Gunshot wounds of the abdomen, chest. The mechanism of injury, the characteristic wounds, clinical manifestations, bleeding and blood loss, the algorithm first aid and medical assistance. The diagnostic program, principles of treatment.	2
34	Gunshot injury. Gunshot wounds of the pelvis and extremities. The mechanism of injury, the characteristic wounds, clinical manifestations, bleeding and blood loss, the algorithm first aid and medical assistance. The diagnostic program, principles of treatment.	2
35	Mine explosive injury, abdomen, chest, pelvis and extremities. The mechanism of injury, the characteristic wounds, clinical manifestations, bleeding and blood loss, the algorithm first aid and medical assistance. The evacuation of the injured from the mine blast injury. The diagnostic program, principles of treatment.	2
The exam		-
Total in modulus 2		70

Chief of the department, professor

I.D. Duzhyy

Calendar TEMATYCHESKYYY PLAN
of lectures for the 5-th year foreign students
autumn semester 2020-2021 academic year
MODULE 2. " THORACIC SURGERY and POLYTRAUMA "

№ з/п	Date, time	Lecture topic	Lector
1	02.09.2020 11.30-12.50 gr 621a-625a, 630a-634a	Fire and mine-explosive trauma of the abdomen, chest, pelvis and extremities. Multiple trauma (polytrauma).	Docent S.M. Zhdanov
2	04.09.2020 11.30-12.50 gr 621a-625a, 630a-634a	Closed and open abdominal trauma, its organs and retroperitoneal space.	Docent S.M. Zhdanov
3	07.09.2020 13.00-14.20 gr 621a-625a, 630a-634a	Closed and open chest injury and chest cavity. Pneumothorax, hemothorax, hilotoraks. Injury to the heart, pericardium and great vessels.	Docent S.M. Zhdanov
4	08.09.2020 11.30-12.50 gr 621a-625a, 630a-634a	Syndrome of gastro-oesophageal reflux, heartburn and dysphagia, achalasia cardia and halaziya, hiatal hernia, hernia paraezofahalna. Esophageal strictures and diverticula.	Assistant I.A. Danilenko
5	09.09.2020 11.00-12.20 gr 621a-625a, 630a-634a	Purulent inflammatory diseases of the lung and pleura. Mediastinit.	Assistant I.A. Danilenko

Chief of the department, professor

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