

**Thematic plan of practical
classes of the section of the discipline of Surgery
for 6th year students**

Danylo Halytsky Lviv National Medical University
(individual profile course by choice: Surgery)

for the XI-XII semester of the 2023-2024 academic year (from 01.09.2023
to 01.05.2024)

№	Topic	Hours
1	History of surgery of Ukraine. Organization of surgical care in Ukraine. Ethics and deontology in surgery. New technologies in surgery. Modern methods of diagnosis and treatment. Principles of transplantology, clinical manifestations of decompensation of the function of vital organs requiring transplantation.	5
2	Sepsis in surgical patients. Systemic inflammatory response syndrome. Pathogenesis, significance in various diseases and injuries, principles of diagnosis and treatment. Rules for antibiotic therapy in the prevention and treatment of surgical infection.	5
3	Shock in surgical patients. Causes, diagnosis, treatment tactics. Principles of transfusiology. Bleeding and blood loss. Classification. Clinical picture of bleeding and acute blood loss. Methods of determining the amount of blood loss. Methods of stopping bleeding. Transfusion of blood and blood substitutes.	5
4	Critical conditions in surgical patients: multiple organ failure syndrome, acute respiratory distress syndrome, acute cardiovascular failure, acute renal failure, acute liver failure. Acute respiratory disease COVID-19. Etiology, clinic, diagnosis, treatment, prevention.	5
5	Purulent diseases of the skin and soft tissues. Mastitis. Tuberculosis of tissues and organs. Diagnosis, differential diagnosis. Methods of conservative and surgical treatment. Aids in a surgical clinic: features of examination and provision of surgical care to patients. Prevention of intraoperative injury and infection of surgeons.	5
6	Modern surgical trauma in disasters, emergency situations and combat operations, principles of evacuation measures. Classification of injuries. Pathomorphology of the wound process, clinical picture, treatment of gunshot wounds. Primary and secondary surgical wound treatment.	6
7	Acute abdominal syndrome. Diagnosis, differential diagnosis and treatment tactics. Differential diagnosis of acute diseases of abdominal organs. Local and widespread purulent-inflammatory processes of the organs of the abdominal cavity and peritoneum. Etiology, pathogenesis, clinic, diagnosis and treatment.	6
8	Mechanical jaundice. Causes of occurrence, differential diagnostic tactics. Functional, instrumental methods of research in diseases of the liver, extrahepatic bile ducts, pancreas. Modern principles of treatment. Liver failure in surgical diseases, methods of prevention and treatment.	6
9	Bleeding from the digestive tract. Causes, diagnosis and differential diagnosis, treatment tactics.	6
10	Abdominal injuries. Symptoms of damage to the organs of the abdominal cavity and retroperitoneal space, methods of diagnosis, treatment tactics.	6
11	Differential diagnosis and treatment of diseases of the rectum and pararectal space. Differential diagnosis and treatment of fistulas of the	6

	alimentary canal	
12	Focal lesions of the liver. Clinical manifestations, diagnostic methods, traditional surgical and minimally invasive treatment of patients. Portal hypertension syndrome. Classification, clinic, diagnosis, treatment tactics.	6
13	External and internal abdominal hernias. Classification, clinic, diagnosis, differential diagnosis, treatment tactics.	6
14	Peculiarities of the course of surgical diseases in pregnant women and the elderly. Diagnosis and differential diagnosis of acute diseases of the abdominal cavity, examination features, surgical tactics, prevention of premature birth.	6
15	Dysphagia syndrome. Differential diagnosis of dysphagia. Features of the clinical picture and treatment of diseases and injuries of the esophagus	6
16	Surgical pathology of lungs and pleura. Principles of diagnosis and treatment	6
17	Damage to the organs of the chest cavity. Clinic and diagnosis of pneumothorax, hemothorax and chylothorax, therapeutic tactics. Diagnostic program for heart damage. Triad of symptoms of heart injury, clinical-diagnostic and medical-surgical program for heart injuries.	6
18	Surgical pathology of the heart and main vessels. Diagnosis and differential diagnosis. Surgical treatment of pathology of coronary arteries and heart valves.	6
19	Aortic arch syndrome. Clinic, diagnosis, differential diagnosis, treatment tactics.	6
20	Limb ischemia syndrome. Causing diseases. Conservative and surgical treatment of occlusive diseases of the arteries of the extremities.	6
21	Problems of arterial thrombosis and embolism. Causes, ways of prevention, diagnosis and differential diagnosis, treatment tactics. Modern possibilities of conservative treatment. Indications for surgical treatment and its main methods	6
22	Abdominal ischemic syndrome. Differential diagnosis and treatment tactics.	6
23	Diseases of the veins. Superior vena cava syndrome. Inferior vena cava syndrome. Causes, clinic, diagnosis, differential diagnosis, treatment tactics. Diagnostic and therapeutic tactics for acute thrombosis of main veins. Thromboembolism of the pulmonary artery. Clinic, diagnostics, treatment, means of prevention	6
24	Surgical treatment of diseases of the endocrine system. Differential diagnosis and treatment of diseases of the thyroid and parathyroid glands, pathology of the adrenal glands. Surgical treatment of vasorenal hypertension.	6
Total		139

Head of department of surgery #2

Prof. I. I. Kobza