Speciality "General Medicine"

ACADEMIC DISCIPLINE "SURGERY OF THE HEART AND VASCULAR"

Academic discipline outline	An academic discipline that contains systematized scientific knowledge and methods covering the following areas: etiology, pathogenesis, clinical presentation, diagnosis, differential diagnosis, surgical treatment, and prevention of diseases of the circulatory system.
Resulting skills	Specialized competence. To apply additional methods of diagnosis and medical care for diseases of the heart and blood vessels as part of an in-depth study of the academic discipline.
Learning outcomes	A student must **know:** the etiology, pathogenesis, classification, clinical presentation, diagnosis and differential diagnosis, treatment and prevention methods for the most common surgical diseases and injuries in adult patients in peacetime and wartime; algorithms (standards) for examining and providing medical care to patients with emergency surgical pathology; **be able to:** apply communication skills with the patient based on an assessment of their mental and personality traits, as well as their individual response to the disease; use interpersonal communication techniques; conduct preventive examinations and follow-up care for the adult population; conduct a physical examination of the patient (interview, examination, percussion, palpation, auscultation); determine indications for additional diagnostic methods and carry out clinical interpretation of the data obtained; conduct differential diagnosis of diseases and use consultations with specialist doctors when establishing the final clinical diagnosis to complete approved forms of medical documentation; to provide emergency medical assistance in cases of fainting, collapse, shock, coma, acute heart failure, stroke, acute respiratory failure, epileptic seizure, allergic reactions, acute surgical abdominal diseases and processes, trauma, poisoning, various burns, frostbite, and bleeding; to organize the transportation of patients to specialized healthcare organizations and provide medical support; to perform primary cardiopulmonary resuscitation and transport immobilization (using simulation equipment);

	perform venipuncture, venesection, pleural puncture, suprapubic puncture, and bladder catheterization (using simulation equipment); perform primary surgical wound treatment (using simulation equipment), manage psychological and personality mechanisms in the treatment of patients with concomitant neuropsychiatric and somatic diseases; **master:** methods for collecting anamnesis, conducting examinations, and performing physical examinations of patients suspected of having cardiovascular pathology; techniques for identifying the most common symptoms of cardiovascular diseases; skills in dressing uncomplicated surgical wounds; techniques for assisting in surgical treatment of inflammatory processes in soft tissues; techniques for applying and removing skin sutures; techniques for inserting and caring for drains in the abdominal cavity, as well as the technique for removing them; techniques for controlling bleeding.
Semester(s)	11/12 semesters
Prerequisite	Normal anatomy. Histology. Normal physiology. Physics. Pathological physiology. Pathological anatomy. Topographic anatomy with operative surgery. Teaching of internal diseases. Neuroscience. General surgery. Faculty of Surgery. X-ray and radiation diagnostics. Pharmacology.
Credit value	2 credits
Academic hours	68 academic hours, of which: 30 class hours
Forms of midterm attestation	Credit