Speciality "General Medicine"

ACADEMIC DISCIPLINE "PATHOLOGICAL ANATOMY"
BIOMEDICAL MODULE 2

Academic discipline outline	Cell pathology and general pathological processes determining the morphological manifestations of a given disease. Etiology, pathogenesis and morphology of diseases at different stages of their development (morphogenesis), structural basis of recovery, complications, outcomes and long-term consequences of diseases. Morphology and mechanisms of adaptation and compensation processes of the human body in response to pathogenic factors and changing environmental conditions. Changes in diseases arising both from changing living conditions and treatment (pathomorphosis) and from therapeutic and diagnostic interventions (pathology of therapy).
Resulting skills	In-depth professional competence. Use knowledge of etiology, pathogenesis, morphological features of general pathological processes and diseases at different stages of their development, causes and mechanisms of dying (thanatogenesis); interpret the results of pathological anatomy research methods (sectional, biopsy, surgical material); apply methods of clinical-anatomical analysis and construction of clinical and pathological anatomical diagnoses.
Learning outcomes	A student must: **know:** causes, mechanisms and morphological features of typical general pathological processes; etiology, pathogenesis and morphogenesis of diseases at different stages of their development; structural basis of recovery; complications, outcomes and long-term consequences of diseases; causes of death and thanatogenesis; etiology, pathogenesis and morphological features of the most relevant and socially significant diseases; morphology and mechanisms of adaptation and compensation processes of the human body in response to pathogenic factors and changing environmental conditions; pathomorphosis of socially significant diseases; etiology, pathogenesis and morphology of iatrogenic diseases;

	be able to: determine the essence of a pathological process using gross specimens, at autopsy; identify major general pathological processes and diseases using histological slides under light microscopy; diagnose pathological processes and diseases by describing macro- and microscopic changes in human organs and tissues; **master:** basic microscope handling skills; clinical-anatomical analysis skills; foundations of synthetic generalization of morphological diagnostic signs of diseases and their correct interpretation in cause-and-effect relationships.
Semester(s)	5,6 semesters
Prerequisite	Histology, Cytology, Embryology. Human Anatomy.
Credit value	6 credits
Academic hours	228 academic hours, of which: 122 class hours
Forms of midterm attestation	Test Examination