Speciality "General Medicine"

ACADEMIC DISCIPLINE "NEUROLOGY AND NEUROSURGERY"
THERAPY MODULE 2

Academic discipline outline	Examination methods in neurology and neurosurgery. Aetiology, pathogenesis, clinical presentation, diagnosis, treatment of neurological and neurosurgery diseases.
Resulting skills	Specialized skills. To use knowledge of clinical symptomatology, to master patient examination methods, diagnostics and differential diagnostics, principles of treatment and prevention, to formulate a clinical diagnosis in major neurological and infectious diseases
Learning outcomes	A student must **know:** aetiology, pathogenesis, classification, clinical manifestations, diagnosis and differential diagnostics, methods of treatment and prevention of the most common diseases and injuries of the central and peripheral nervous system; basics of prophylactic medical examination and rehabilitation of patients, principles of medical and social expertise; **be able to:** conduct a neurological examination of a patient; conduct differential diagnostics of nervous and neurosurgical diseases, utilizing specialist consultations in establishing the final clinical diagnosis; determine indications for paraclinical diagnostic methods and perform clinical interpretation of findings; conduct a medical expert evaluation and issue a certificate of incapacity for work; provide emergency medical care for syncope, shock, coma, stroke, epileptic seizure, traumatic brain injury, and spinal cord injury; perform primary surgical wound treatment for traumatic brain injuries, assist in the most frequent emergency neurosurgical operations; conduct preventative medical examinations and dispensary observation of the population; **master:** interpretation of imaging findings in neurology and neurosurgery; interpretation of the results of additional diagnostics methods in neurology and neurosurgery.
Semester(s)	7, 8 semesters

Prerequisite	Human anatomy. Histology, cytology, embryology. Pathological anatomy. Normal physiology. Pathological physiology. Biological chemistry. X-ray diagnostics and X-ray therapy. Pharmacology. Propaedeutics of internal diseases. Infectious diseases. Surgical diseases. Anaesthesiology and resuscitation. Otorhinolaryngology
Credit value	6 credits
Academic hours	216 academic hours, of which: 106 class hours
Forms of midterm attestation	Test Examination