

Approved at the department meeting

Protocol № 10 від 10.05.2022 р.

Head of the department  prof. Payenok A.V.



THEMATIC PLAN
of laboratory-practical classes «Neurosurgery»
for students of the 5th year of the Faculty of Medicine
of the 2022-2023 academic year

№	Topic and content	Hours
<i>Content module 1. Traumatic lesions of the nervous system</i>		
1.	Traumatic brain injury (TBI). Classification, periods. Concussion. Mild and moderate cerebral contusion. Severe cerebral contusion. Diffuse axonal injury.	2
2.	Intracranial injuries: hematomas, complex skull fractures. Herniation of the brain. Basal skull fractures. Craniofacial injuries.	2
3.	Spinal trauma and spinal cord injury.	2
<i>Content module 2. Tumors of the nervous system.</i>		
4.	Brain tumors. Hydrocephalus. Tumors of the spine and spinal cord	2
5.	Surgical treatment of brain and spinal cord tumors. Radiotherapy and chemotherapy in the complex treatment of tumors of the central and peripheral nervous system. Radiosurgery.	1
<i>Content module 3. Vascular diseases of the brain and spinal cord.</i>		
6.	Vascular diseases of the central nervous system. Hemorrhagic stroke. Ischemic stroke. Principles of diagnosis.	2
7.	Vascular diseases of the central nervous system. Treatment of strokes. Surgical treatment of strokes.	2
<i>Thematic module 4. Degenerative diseases of the spine. Functional and reconstructive neurosurgery. Pain surgery</i>		
8.	Degenerative-dystrophic-destructive diseases of the spine. General principles of treatment.	2
9.	Pain syndromes in neurosurgical practice and their treatment. Functional and restorative neurosurgery. ZALIK.	2
Total:		17