

**AMENDMENTS AND CHANGES TO THE CURRICULUM IN THE EDUCATIONAL DISCIPLINE  
«NEUROLOGY AND NEUROSURGERY»**


for the specialty 1-79 01 01 «General Medicine»  
(experimental project)

2020/2021 academic year

Amendments and changes	Basis/Reason
1. Changes have been introduced into the thematic plan (Appendix 1)	Educationai Plan for 2020/2021 academic year
2. The literature has been updated according to «The list of literature recommended for 2020-2021 academic year» (Appendix 2)	Meetings of Scientific-methodological council 29.05.2020, protocol No 9

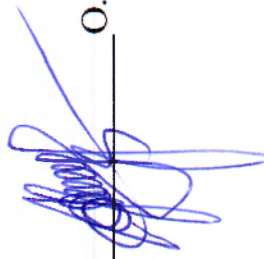
The curriculum is revised and approved at the department meeting  
nervous and neurosurgical diseases (protocol # 20 of 1 July 2020)

Head of the department  
MD, PhD, professor

  
A.S. Fedulov

APPROVED

Dean of the Faculty of International Students,  
PhD, Associate Professor

  
O.S. Ishutin

## THEMATIC PLAN OF THE EDUCATIONAL DISCIPLINE «NEUROLOGY AND NEUROSURGERY»

### Thematic plan of practical exercises

for nervous and neurosurgical diseases for 4<sup>th</sup> year students of the Faculty of General Medicine for the 7<sup>th</sup> semester

Theme	Topic	Quantity of hours
1	Spinal cord. Anatomical and physiological aspects. Motor system. Examination methods. Lesion syndromes.	6
2	Spinal cord. Anatomical and physiological aspects. Sensorium. Examination methods. Lesion syndromes.	6
3	Cranial nerves (I- XII pairs). Anatomical and physiological aspects. Examination methods. Lesion syndromes.	6
4	Cerebellum and extrapyramidal system. The autonomic nervous system. Anatomical and physiological aspects. Examination methods. Lesion syndromes.	6
5	Liquor. Meningeal syndrome. Lumbar puncture. Brain and spinal cord syndromes. Methods of investigating neurological status. Making topical diagnosis.	6
6	Diseases of the peripheral nervous system. Neurosurgical aspects of vertebral disease treatment. Infectious and parasitic diseases of the nervous system.	5
7	Traumatic brain injury.	5
<b>Total</b>		40

### Thematic plan of lectures

for nervous and neurosurgical diseases for 4<sup>th</sup> year students of the Faculty of General Medicine for the 7<sup>th</sup> semester

Theme	Topic	Quantity of hours
1	Introduction into neurology. History of the development of neurology. Structural and functional organization of the nervous system.	2
2	Higher nervous activity. Dynamic localization of functions in the cortex. Syndromes of lesions of the cerebral hemispheres.	2
3	Disorders of cerebral circulation.	2
4	Infectious and inflammatory impairments of the nervous system.	2
5	Traumatic brain injury.	2
6	Brain and spinal cord tumors.	2
<b>Total</b>		12

### Thematic plan of practical exercises

for nervous and neurosurgical diseases for 4<sup>th</sup> year students of the Faculty of General Medicine for the 8<sup>th</sup> semester

Theme	Topic	Quantity of hours
1	Methods of examination of neurological patients. Statement of topic	6

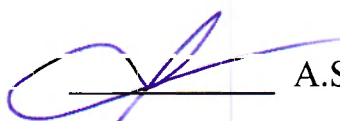
	and clinical diagnosis. Parsing schemes of writing case histories of neurological patients. Curation of patients.	
2	Vascular disorders. Acute ischemic stroke. Intracerebral hemorrhage. Chronic cerebrovascular insufficiency. Differential diagnosis. Curation and case analysis.	6
3	Infectious diseases of the nervous system. Meningitis. Arachnoiditis. Encephalitis. Poliomyelitis. Myelitis. Slow virus neuroinfections. Immunoinflammatory and demyelinating diseases of nervous system. Acute disseminating encephalomyelitis. Multiple sclerosis. Amyotrophic lateral sclerosis. Curation and case analysis.	6
4	Peripheral nervous system diseases. Neuritis. Neuralgia. Sympathalgia. Neurological manifestation of osteochondrosis. Curation and case analysis.	6
5	Hereditary degenerative nervous system diseases. Neuromuscular diseases. Degenerative diseases with a primary lesion of the pyramidal system and cerebellum. Degenerative diseases with a primary lesion of the extrapyramidal system. Curation and case analysis.	6
6	Vascular diseases of the central nervous system.	5
7	Brain and spinal cord tumors	5
<b>Total</b>		40

### Thematic plan of lectures

for nervous and neurosurgical diseases for 4<sup>th</sup> year students of the Faculty of General Medicine for the 8<sup>th</sup> semester

Theme	Topic	Quantity of hours
1	Demyelinating diseases of the nervous system.	2
2	Epilepsy. Convulsive state.	2
3	Hereditary and degenerative nervous system diseases. Part 1: Introduction to clinical genetic. Neuromuscular diseases.	2
4	Hereditary and degenerative nervous system diseases. Part 2: Degenerative diseases with a primary lesion of the pyramidal system and cerebellum. Degenerative diseases with a primary lesion of the extrapyramidal system.	2
5	Hereditary and degenerative nervous system diseases. Part 3: Dementia. Alzheimer's disease. Motor neuron disease. Amyotrophic lateral sclerosis. Myasthenia gravis. Syringomyelia. Phakomatoses.	2
6	Headache. Facial pain.	2
7	Neurological manifestation of osteochondrosis.	2
8	Neurosurgical treatment of cerebrovascular diseases	2
<b>Total</b>		16

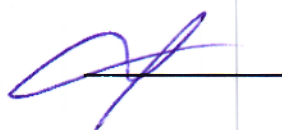
Head of the department  
MD, PhD, professor

 A.S. Fedulov

List of academic discipline literature recommended for 2020-2021 academic year

1. Oxford handbook of neurology / Manji, Hadi [и др.]. - 2 ed. - New York : Oxford University Press, 2015. - 623 p. - Оксфордское руководство по неврологии.
2. Кулеш С.Д. Неврология и нейрохирургия : пособие для студентов факультета иностранных учащихся / = Neurology and neurosurgery : tutorial for students of the faculty of foreign students / - Гродно : ГрГМУ, 2016. – 488 с.

Head of the department  
MD, PhD, professor



A.S.Fedulov