

CALENDAR-THEMATIC PLAN
the topics for extramural studies in "NEUROLOGY "
for the preparation of specialists of the second (master's) level of higher education
on speciality 222 "MEDICINE" (foreign students)
for the VIII semester of 2023-2024

No	Topic	N-r of h- rs	Groups	Date	Hours
Section 1: General Neurology					
1.	Principles of structure and functioning of the nervous system. Functional unit of the nervous system. Classification of sensitivity. Anatomy of sensory pathways. Methods of study of sensation. Types and kinds of sensory disorders. Pathology of olfactory and visual analyzers. Trigeminal(sensitiv portion) vestibulo-cochlear nerve and syndromes of their affection.	2 2	3 4	30.01.2024 31.01.2024	09.15 – 13.05 09.15 – 13.05
2.	The concept of reflex and reflex arc. Pathological reflexes, technique of elicitation. Voluntary movements and their disorders. Cortical-nuclear and cortical-spinal pathways. Symptoms of central and peripheral paresis, pathogenesis of symptoms. Symptom-complexes of movement disorders due to affection of different levels of corticomuscular way.	2 2	3 4	06.02.2024 07.02.2024	09.15 – 13.05 09.15 – 13.05
3.	Syndromes of oculomotor nerves' lesions. Trigeminal(movement portion), facial, vestibulo-cochlear nerve and syndromes of their affection. Affection of IX-XII pairs of cranial nerves. Bulbar and pseudobulbar syndromes. Alternating syndromes.	2 2	3 4	13.02.2024 14.02.2024	09.15 – 13.05 09.15 – 13.05
4.	Extrapyramidal system, its structure and functions. Subcortical ganglia. Paleo- and neostriatum lesion syndromes. Cerebellum. Basic anatomical and physiological data. Research methodology. Symptoms of cerebellar lesions. Types of ataxia. Types of pathological gait.	2 2	3 4	20.02.2024 21.02.2024	09.15 – 13.05 09.15 – 13.05
5.	Anatomical and physiological data, pathology and methods of investigation of the autonomic nervous system. Anatomical and physiological data, technique for study of the cortical functions. Syndromes of lesions and irritation of the cortex. Disorders of higher cerebral functions (aphasia, agnosia, apraxia and other).	2 2	3 4	27.02.2024 28.02.2024	09.15 – 13.05 09.15 – 13.05
6.	Meninges and spinal cord, cerebrospinal fluid, physiology of cerebrospinal fluid. Lumbar puncture technique. Liquor diagnostics. Meningeal and cerebrospinal hypertension syndromes. Functional diagnosis of diseases of the nervous system. Practical skills. Independent curation of patient with compilation of case history.	2 2 1	3 4	05.03.2024 06.03.2024	09.15 – 13.05 09.15 – 13.05
Section 2: Special Neurology.					
7.	Vascular diseases of the brain and spinal cord. Transient ischemic attacks. Ischemic stroke. Hemorrhagic stroke.	2 2 1	3 4	12.03.2024 13.03.2024	09.15 – 13.05 09.15 – 13.05
8.	Epilepsy and non-epileptic paroxysmal conditions. Headaches.	2 2 1	3 4	19.03.2024 20.03.2024	09.15 – 13.05 09.15 – 13.05
9.	Meningitis. Classification. Clinical picture, diagnostic, management. Encephalitis. Clinical picture, diagnostic, management. Acute respiratory disease COVID- infection. Poliomyelitis. Acute transverse myelitis.	2 2 1	3 4	26.03.2024 27.03.2024	09.15 – 13.05 09.15 – 13.05
10.	Neurosyphilis. Neurological manifestations of polymyositis-dermatomyositis. Neurological manifestations of HIV infection. Neuroborreliosis. Tuberculosis of the nervous system.	2 1 2	3 4	02.04.2024 03.04.2024	09.15 – 13.05 09.15 – 13.05

11.	Demyelinating diseases of the nervous system. Amyotrophic lateral sclerosis. Myasthenia. Perinatal affections of the nervous system. Congenital defects of the spine and spinal cord. Syringomyelia.	2 2	3 4	09.04.2024 10.04.2024	09.15 – 13.05 09.15 – 13.05
12.	Diseases of the peripheral nervous system. Guillain-Barre syndrome. Practical skills.	2 1	3 4	16.04.2024 17.04.2024	09.15 – 13.05 09.15 – 13.05
13.	Hereditary neuromuscular diseases: primary myodystrophy, neurogenic amyotrophy, Thomsen's myotonia, paroxysmal myoplegia. Hereditary and degenerative diseases with a predominant lesion of the pyramidal (Strumpel's paraplegia), extrapyramidal (Parkinson's disease, hepatocerebral dystrophy, torsional dystonia, Huntington's chorea) system and cerebellum (Friedreich's and Marie's ataxia)	4 2 2 1	3 4	23.04.2024 24.04.2024	09.15 – 13.05 09.15 – 13.05
14.	Neurological aspects of traumatic brain injury. Sleep disorders. Somatoneurological syndromes. Emergencies in neurology. Principles of rehabilitation of patients with diseases of the nervous system. Practical skills.	2 1 1 1 1 1	3 4	30.04.2024 01.05.2024	09.15 – 13.05 09.15 – 13.05
In total		67			

The calendar-thematic plan the topics for extramural studies of "**NEUROLOGY**" for the preparation of specialists of the second (master's) level of higher education on specialty **222 "MEDICINE"** and approved at the meeting of the Department of Neurology on January 25, 2024 (Minutes # 12)

Head of the Dep., prof.



Tetyana Nehrych

CALENDAR-THEMATIC PLAN
of classes in the subject "**Neurology**"
for the preparation of specialists of the second (master's) level of higher education on SPECIALTY
222 "MEDICINE" (FOREIGN STUDENTS)
FOR THE VIII SEMESTER OF 2023-2024

No	Topic	N. of h-rs	Groups	Date	Hours
	Section 1: General Neurology				
1.	Principles of structure and functioning of the nervous system. Functional unit of the nervous system. Classification of sensitivity. Anatomy of sensory pathways. Methods of study of sensation. Types and kinds of sensory disorders. Pathology of olfactory and visual analyzers. Trigeminal (sensory portion) vestibulo-cochlear nerve and syndromes of their affection.	2 2	3 4	30.01.2024 31.01.2024	09.15 – 13.05 09.15 – 13.05
2.	The concept of reflex and reflex arc. Pathological reflexes, technique of elicitation. Voluntary movements and their disorders. Cortical-nuclear and cortical-spinal pathways. Symptoms of central and peripheral paresis, pathogenesis of symptoms. Symptom-complexes of movement disorders due to affection of different levels of cortico-muscular way.	2 2	3 4	06.02.2024 07.02.2024	09.15 – 13.05 09.15 – 13.05
3.	Syndromes of oculomotor nerves' lesions. Trigeminal (movement portion), facial, vestibulo-cochlear nerve and syndromes of their affection. Affection of IX-XII pairs of cranial nerves. Bulbar and pseudobulbar syndromes. Alternating syndromes.	2 2	3 4	13.02.2024 14.02.2024	09.15 – 13.05 09.15 – 13.05
4.	Extrapyramidal system, its structure and functions. Subcortical ganglia. Paleo- and neostriatum lesion syndromes. Cerebellum. Basic anatomical and physiological data. Research methodology. Symptoms of cerebellar lesions. Types of ataxia. Types of pathological gait.	2 2	3 4	20.02.2024 21.02.2024	09.15 – 13.05 09.15 – 13.05
5.	Anatomical and physiological data, pathology and methods of investigation of the autonomic nervous system. Anatomical and physiological data, technique for study of the cortical functions. Syndromes of lesions and irritation of the cortex. Disorders of higher cerebral functions (aphasia, agnosia, apraxia and other).	2 2	3 4	27.02.2024 28.02.2024	09.15 – 13.05 09.15 – 13.05
6.	Meninges and spinal cord, cerebrospinal fluid, physiology of cerebrospinal fluid. Lumbar puncture technique. Liquor diagnostics. Meningeal and cerebrospinal hypertension syndromes. Functional diagnosis of diseases of the nervous system. Practical skills. Independent curation of patient with complication of case history.	2 2	3 4	05.03.2024 06.03.2024	09.15 – 13.05 09.15 – 13.05
	Section 2: Special Neurology.				
7.	Vascular diseases of the brain and spinal cord. Transient ischemic attacks. Ischemic stroke. Hemorrhagic stroke.	2 2	3 4	12.03.2024 13.03.2024	09.15 – 13.05 09.15 – 13.05
8.	Epilepsy and non-epileptic paroxysmal conditions. Headaches. Sleep disorders.	4	3 4	19.03.2024 20.03.2024	09.15 – 13.05 09.15 – 13.05
9.	Meningitis. Classification. Clinical picture, diagnostic, management. Encephalitis. Clinical picture, diagnostic,	2	3 4	26.03.2024 27.03.2024	09.15 – 13.05 09.15 – 13.05

	management. Acute respiratory disease COVID-infection. Poliomyelitis. Acute transverse myelitis.	2			
10.	Neurosyphilis. Neurological manifestations of polymyositis-dermatomyositis. Neurological manifestations of HIV infection. Neuroborreliosis. Tuberculosis of the nervous system.	2	3 4	02.04.2024 03.04.2024	09.15 – 13.05 09.15 – 13.05
11.	Demyelinating diseases of the nervous system. Amyotrophic lateral sclerosis. Myasthenia. Perinatal affections of the nervous system. Congenital defects of the spine and spinal cord. Syringomyelia.	2 2	3 4	09.04.2024 10.04.2024	09.15 – 13.05 09.15 – 13.05
12.	Diseases of the peripheral nervous system. Guillain-Barre syndrome. Practical skills.	2 2	3 4	16.04.2024 17.04.2024	09.15 – 13.05 09.15 – 13.05
13.	Hereditary neuromuscular diseases: primary myodystrophy, neurogenic amyotrophy, Thomsen's myotonia, paroxysmal myoplegia. Hereditary and degenerative diseases with a predominant lesion of the pyramidal (Strumpel's paraplegia), extrapyramidal (Parkinson's disease, hepatocerebral dystrophy, torsional dystonia, Huntington's chorea) system and cerebellum (Friedreich's and Marie's ataxia)	4	3 4	23.04.2024 24.04.2024	09.15 – 13.05 09.15 – 13.05
14.	Neurological aspects of traumatic brain injury. Sleep disorders. Somatoneurological syndromes. Emergencies in neurology. Principles of rehabilitation of patients with diseases of the nervous system. Practical skills.	2 2	3 4	30.04.2024 01.05.2024	09.15 – 13.05 09.15 – 13.05
	In total	56			

The calendar-thematic plan is made on the basis of the Curriculum on the subject "NEUROLOGY" for the preparation of specialists of the second (master's) level of higher education on specialty 222 "MEDICINE" and approved at the meeting of the Department of Neurology on January 25, 2024, protocol №12.

Head of the Dep., prof.

Tetyana Nehrych

CALENDAR-THEMATIC PLAN
of lectures in the subject "**NEUROLOGY**"
for the preparation of specialists of the second (master's) level of higher education
on speciality **222 "MEDICINE"** (foreign students)
for the VIII semester of 2023-2024

№	Topic	Data	Hours	Groups	Lecturer
Section 1: General Neurology					
1.	Introduction into neurology. Principles of structure and functions of the nervous system. Pyramidal system. Motor tracts. Bulbar and pseudobulbar palsies. Alternating syndromes.	02.02.2024	09:15-10:50	3;4	Prof. Tetyana Nehrych Prof. Lidiya Maryenko
2.	Autonomic nervous system. Examination and symptoms of affection. Cerebral cortex. Higher cortical function's disorders (aphasia, agnosia, apraxia).	16.02.2024	09:15-10:50	3;4	Prof. Tetyana Nehrych Prof. Lidiya Maryenko
Section 2: Special Neurology					
3.	Cerebro-vascular diseases. Transient ischemic attacks. Ischemic stroke. Hemorrhagic stroke.	01.03.2024	09:15-10:50	3;4	Prof. Tetyana Nehrych Prof. Lidiya Maryenko
4.	Demyelinating diseases of the nervous system. Parkinson's disease. Myasthenia gravis.	15.03.2024	09:15-10:50	3;4	Prof. Tetyana Nehrych Prof. Lidiya Maryenko
5.	Epilepsy and non-epileptic paroxysmal conditions.	29.03.2024	09:15-10:50	3;4	Prof. Lidiya Maryenko Prof. Tetyana Nehrych
6.	Diseases of the peripheral nervous system.	12.04.2024	09:15-10:50	3;4	Prof. Tetyana Nehrych Prof. Lidiya Maryenko
In total		12			

The calendar-thematic plan is made of lectures in the subject "**NEUROLOGY**" for the preparation of specialists of the second (master's) level of higher education on specialty **222 "MEDICINE"** and approved at the meeting of the Department of Neurology on January 25, 2024 (Minutes #12).

Head of the Dep., prof.



Tetyana Nehrych