




09.2.1
NEUROLOGY DEPARTMENT no.1
TIMETABLE OF THE COURSE NEUROLOGY
FACULTY OF MEDICINE no.2, IVth year,
a.y. 2025-2026, fall semester

«Approved» V. Lisnic
Vitalie LISNIC, head of the Department
PhD, Professor
25.08.2025, meeting of the Department No.1

1. The subject of clinical neurology. Historical data of Neurology. Neurological examination. Complementary and laboratory investigations used in neurology and neurosurgery. Sensitivity. Signs, symptoms and syndromes affecting sensitivity. Pain – a complex clinical phenomenon, neurological approach.
2. Motility. The pyramidal system (cortico-spinal tract). Central motor neuron syndrome, peripheral motor neuron syndrome. Sphincter disorders of neurologic origin. Motor neuron disease. Electromyography (EMG) examination: principles and clinical utility.
3. Motility. Extrapyramidal system. Hypertonic-hypokinetic syndrome. Parkinson's disease. Atypical Parkinsonism: Progressive Supranuclear Palsy, Lewy body dementia, Multiple system atrophy. Hypotonic-hyperkinetic syndrome. Hypotonic-hyperkinetic syndrome. Tics. Cerebellum: anatomical and physiological principles of constitution, clinical examination, clinical manifestations of impairment. Tremor: classification, pathophysiological mechanisms and differential diagnostic approach. Essential tremor. Friedreich ataxia.
4. The brainstem and the cranial nerves: anatomical and physiological principles of constitution, clinical examination, clinical signs and symptoms of impairment. Notion of alternating syndromes. Bulbar and pseudobulbar syndrome. Vertigo: general concepts. Benign paroxysmal positional vertigo. Facial neuritis/neuropathy. Trigeminal neuralgia.
5. Autonomic nervous system (ANS): anatomophysiological features and examination methods. Syndromes of impairment of ANS in neurological and somatic diseases. Anatomical and physiological features of the hypothalamus, hypothalamic dysfunction syndromes. Anatomical and physiological features of the reticulate formation. Headache: classification, diagnostic criteria of primary headaches.
6. The cerebral cortex. Cortical impairment signs and symptoms. Major syndromes: aphasia, apraxia, agnosia. Methods of examination of cortical analyzers. Vascular and degenerative dementias, clinical manifestations, differential diagnosis and treatment. Disturbances of the central nervous system in alcoholism. Gayet Wernicke encephalopathy, Korsakoff syndrome, cerebellar degeneration. Magnetic Resonance Imaging examination: principles, clinical utility.

Colloquium on semiology of the nervous system.

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|  | 09.2.1 NEUROLOGY DEPARTMENT no.1 SUBJECTS OF PRACTICAL LESSONS IN NEUROLOGY FACULTY OF MEDICINE no.2, IVth year, a.y. 2023-2024, fall semester | | |
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7. Neurological examination of a patient with an altered level of consciousness. Coma. Notions of vegetative status, akinetic mutism, locked-in syndrome, psychic areactivity. Brain death. Computer tomography examination: principles, clinical utility.
8. Cerebrovascular diseases. Epidemiological data, risk factors, classification. Ischemic stroke: clinical manifestations, diagnosis. Acute management of stroke, primary and secondary prevention. Clinical manifestations, complementary investigations and treatment of intracranial venous thrombosis.
9. Hemorrhagic stroke. Subarachnoid hemorrhage: clinical manifestations, diagnosis and treatment. Principles of neurorehabilitation. Doppler ultrasound examination of cervical and cerebral vessels: principles and clinical utility.
10. Infectious diseases of the nervous system: general concepts, classification. Meningitis and encephalitis. Structure of cerebral meninges. Meningitis and meningism: (definitions), meningitis triad. Autoimmune encephalitis. Herpetic encephalitis. Lumbar puncture. Cerebrospinal fluid examination and CSF syndromes.
11. Spinal cord diseases. Myelitis and myelopathy. Poliomyelitis. Neurosyphilis. Damage of the nervous system in HIV/AIDS. Neuroborreliosis. Spinal cord vascular syndromes: acute and chronic clinical forms.
12. Multiple sclerosis. Myasthenia Gravis. Paraneoplastic syndrome. Evoked potentials, EMG examination: principles and clinical utility.
13. Paroxysmal events. Epilepsy. Status epilepticus. Intensive care treatment. Syncope. Electroencephalography: principles, clinical utility.
14. Peripheral nervous system disorders. Mono / multineuropathy of the upper and lower limbs. Tunnel syndromes. Discogenic radiculopathies. Guillain-Barre syndrome. Polineuropathy. Brachial plexopathy. Disturbances of the peripheral nervous system in alcoholism. ENG: principles and clinical utility. Electromyography (EMG) examination: principles and clinical utility.
15. Hereditary diseases in clinical neurology: progressive muscular dystrophies, myotonia. Charcot-Marie-Tooth hereditary neuropathy. Spinal amyotrophy: pathogenesis, clinical forms, diagnosis and treatment. Wilson disease.

Totalizing practical lesson. Practical skills exam (coefficient 0,2).

Chief of Academics

Associate professor



Marina SANGHELI



09.2.1
NEUROLOGY DEPARTMENT no.1
SCHEDULE OF PRACTICAL LESSONS IN NEUROLOGY
FACULTY OF MEDICINE no.2, IVth year,
a.y.2025-2026, fall semester

«Approved» V. Lisnic
Vitalie LISNIC, head of the Department
PhD, Professor
25.08.2025, meeting of the Department No.1

| Date Time Practical lessons | Date Exam | Faculty/ Groups | Lecturers | Auditorium |
|--|----------------------|--|---|---|
| 01.09.25 – 19.09.25 08.00 – 11.15 | 22.09.25 | M2 2263 M2 2264 M2 2265 M2 2266 M2 2267 M2 2268 | Asist. Prof. Elena Costru-Taşnic Asist. Prof. Victoria Şimon Assoc. Prof. Elena Manole Assoc. Prof. Marina Sangheli Asist. Prof. Evelina Gherghelegiu Asist. Prof. Nina Istrati | Block I, 2nd floor, of. 207 Block II, 1st floor, of. 104 Block I, 2nd floor, of. 202 Block II, 1st floor, of. 110 Block II, 1st floor, of. 102 Block I, 2nd floor, of. 211 |
| 14.11.25 – 04.12.25 08.00 – 11.15 | 08.12.25 | M2 2250P M2 2251P M2 2252P M2 2253P M2 2254P M2 2255P | Asist. Victoria Şimon Conf. Elena Manole Asist. Ana-Maria Bubuioc Conf. Marina Sangheli Asist. Ana Belenciuc Asist. Nina Istrati | Block II, 1st floor, of. 104 Block I, 2nd floor, of. 202 Block II, 1st floor, of. 102 Block II, 1st floor, of. 110 Block I, 2nd floor, of. 211 Block I, 2nd floor, of. 207 |

***Note:** Neurology Department no.1 address – **Diomid Gherman Institute of Neurology and Neurosurgery, 2 Korolenko str.**

Chief of Academics

Associate professor

Marina SANGHELI