

**Topics for student's independent work in the discipline "Neurology, neurosurgery, medical genetics" for students of higher education programme in the specialty 31.05.01 «General Medicine» (specialist programme «General Medicine»), full-time mode of study, in the autumn term 2023/2024 academic year.**

№	Topic for independent work	Duration, hours
1.	Listing a glossary of neurological terminology	12
2.	<p>Hereditary metabolic diseases with nervous system lesion. Type of illness. Type of inheritance. Clinic.</p> <p>Lipidoses with impaired sphingomyelin metabolism (Niemann-Pick disease), glucocerebrosides metabolism (Gaucher disease).</p> <p>Leukodystrophy: methochromatic, globoid cell (Krabbe disease), sudanophilic (Pelicius-Merzbacher disease).</p> <p>Mucopolysaccharidoses, mucolipidoses.</p> <p>Amino acid metabolism disorders: homocystinuria, etc.</p> <p>Phakomatosis. Neurofibromatosis Recklinghausen: peripheral and central forms. Systemic cerebroretinovisceral angiomas (Hippel-Lindau disease): with a primary lesion of the cerebellum "Lindau's tumor" and the retina "Hippel's tumor". Ataxia - telangiectasia (Louis-Bar syndrome). Sturge-Weber disease.</p>	22
3.	<p>Somatoneurological syndromes</p> <p>Neurological syndromes and complications pregnancy:</p> <p>a) specifically related to pregnancy (eclampsia, central vein thrombosis, choriocarcinoma, lumbosacral plexus injury, Sheehan's syndrome, portal vein compression, dysmetabolic encephalopathy)</p> <p>b) diseases, the exacerbation of which can be provoked by pregnancy (lumbalgia, Roth's disease, carpal tunnel syndrome, dysmetabolic polyneuropathy, tetany, cerebrovascular dysfunction, chorea gravidarum, benign intracranial hypertension, acute intermittent porphyria)</p> <p>c) chronic neurological diseases and pregnancy (multiple sclerosis, myasthenia gravis, epilepsy, myotonic dystrophy, brain tumors)</p> <p>Posthypoxic neurological syndromes: dementia, visual agnosia, extrapyramidal syndromes (parkinsonism and cognitive disorders, intentional myoclonus, dystonic syndromes, cerebellar ataxia, Korsakov's amnesic syndrome, persistent vegetative state, epileptic seizures)</p> <p>Neurological complications of endocrine diseases: diabetes mellitus, hypoparathyroidism and pseudohypoparathyroidism, hypothyroidism, hyperthyroidism.</p>	34
	Total	68

Approved at the meeting of the Department of neurology, neurosurgery, medical genetics  
Protocol № 19 29.05.2023

Head of department

A handwritten signature in blue ink, consisting of several loops and a long horizontal stroke.

O.V. Kurushina