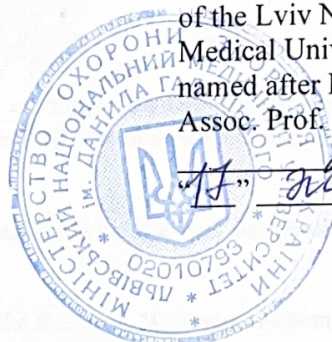


**DANYLO HALYTSKY LVIV NATIONAL MEDICAL UNIVERSITY
DEPARTMENT OF NEUROLOGY**

The first deputy vice-rector
on scientific and pedagogical work
of the Lviv National
Medical University,
named after Danylo Halytsky,
Assoc. Prof. I. Solonyenko



[Signature]
"17" *November* 2023

**EDUCATIONAL WORKING PROGRAM FOR THE FREE ELECTIVE COURSE
CURRENT PROBLEMS OF NEUROLOGY
ББ 1.72**

5 years of study

**training of specialists
of the second level of higher education (master of medicine)
field of knowledge 22 "Health"
specialty 222 "Medicine"**

Discussed and approved
at a meeting of the Department
of neurology
protocol № *4*
"11" *October* 2023
Head of the Department of
neurology
prof. T.Nehrych

[Signature]

Approved by the profile
methodical commission on
therapeutic disciplines
protocol № *5*
"12" *October* 2023
Chairman of the profile methodical
commission
prof. O.Radchenko

[Signature]

Working curriculum of the free elective subject "**Current problems of neurology**" for 5th year students of the Faculty of Medicine, specialty 222 Medicine, fields of knowledge 22 Health, qualifications: master of medicine. Doctor; created and adapted by prof. Nehrych T.I., assoc. , Ph.d. Malyarska N.V., on the basis of a standard curriculum prepared by the staff of the Department of Neurology of Kharkiv National Medical University (Head of the Department Professor IA Grigorova) and agreed with the Central Methodical Office for Higher Medical Education of the Ministry of Health of Ukraine for specialty 222 "Medicine".

Changes and additions to the curriculum for the 2018-2019 academic year were not made.

Head of the Department of Neurology

Prof. Nehrych T.I.

The program was discussed and approved at the meeting of the Department of Neurology on October 29 (Minutes № 8) at the meeting of the profile methodical commission on therapeutic disciplines on November 14 (Minutes №2) in 2019.

Reviewers: Head of the Department of Internal Medicine №2, prof. Radchenko O.M., Ph.D., Assoc. Filipyuk A.L.

Changes and additions to the Curriculum in the discipline "**Current problems of neurology**" (elective course) for students of VI year of the Faculty of Medicine, specialty 222 Medicine for 2019-2020 academic year

№	Contents of changes (additions)	Date and № minutes of the department meeting	Remark
1.	The list of Basic Literature has been changed and supplemented	October 29, 2019 protocol №8	
2.	The list of Auxiliary literature has been changed and supplemented	October 29, 2019 protocol №8	

Head of the Department of Neurology

Prof. Nehrych T.I.

The program was discussed and approved at the meeting of the Department of Neurology on August 28, 2020. (Minutes № 1.)

Changes and additions to the Curriculum in the discipline "**Current problems of neurology**" (elective course) for students of VI year of the Faculty of Medicine, specialty 222 Medicine for the 2020- 2021 academic year

№	Contents of changes (additions)	Date and № minutes of the department meeting	Remark
1.	Literature sources have been supplemented in the form of methodical recommendations for examination, diagnosis, prevention and treatment of vascular pathology of the brain and spinal cord.	August 28, 2020 protocol №1	

Head of the Department of Neurolog

Prof. Nehrych T. I.

Changes and additions to the curriculum for the 2021-2022 academic year were not made.

Head of the Department of Neurology

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Prof. Nehrych T. I.

The program was discussed and approved at the meeting of the Department of Neurology on August 31, 2022. (Minutes № 1.)

Changes and additions to the Curriculum in the discipline "Current problems of neurology" (elective course) for students of VI year of the Faculty of Medicine, specialty 222 Medicine for the 2022- 2023 academic year

№	Contents of changes (additions)	Date and № minutes of the department meeting	Remark
1.	Literature sources have been supplemented in the form of methodical recommendations for examination, diagnosis, prevention and treatment of vascular pathology of the brain and spinal cord.	August 31, 2022 protocol №1	

Head of the Department of Neurology




Prof. Nehrych T.I.

Changes and additions to the Curriculum in the discipline "Current problems of neurology" (elective course) for students of V year of the Faculty of Medicine, specialty 222 Medicine for the 2023- 2024 academic year

№	Contents of changes (additions)	Date and № minutes of the department meeting	Remark
1.	Literature sources have been supplemented in the form of methodical recommendations for examination, diagnosis, prevention and treatment of vascular pathology of the brain and spinal cord.	August 30, 2023 protocol №1	

2.	The scope of practical classes has been supplemented and changed in accordance with modern requirements	August 30, 2023 protocol №1	
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Head of the Department of Neurology



Prof. Nehrych T.I.

Description of the curriculum of the elective course "Actual problems of neurology" for students of the 5th year of the medical faculty in the specialty 222 Medicine, fields of knowledge 22 Health care, qualification: Master of Medicine. Doctor

The structure of the discipline	Number of hours, of which			Year	Type of control	
	Total	Intramural				Independent
		Lectures	Classes			
	60	-	26	34	5 Year	
Кредитів ECTS	2,0					
	30 h. / 1,0 ECTS credit				Credit test	

Note: 1 ECTS credit - 30 hours.

The purpose and objectives of the discipline

The purpose of the discipline is to create in students a holistic view of the main theoretical and methodological problems of neurology and the acquisition of practical skills to use them in a clinical setting. The task of the discipline is: the ability to formulate a clinical diagnosis (review of neurological status, prescribe the necessary laboratory and instrumental research methods, provide emergency care for major neurological diseases, develop rehabilitation and prevention of major neurological diseases from the standpoint of evidence-based medicine.

Final goals:

- To formulate the main symptoms and syndromes of lesions of different parts of the nervous system.
- To determine the etiological factors and pathogenetic mechanisms of the development of major neurological diseases.
- Make a preliminary diagnosis of major neurological diseases.
- Analyze the main indicators of laboratory and instrumental research methods in neurological practice.
- To plan the tactics of managing a patient with neurological pathology from the standpoint of evidence-based medicine and nosology treatment protocols.
- Develop rehabilitation and prevention measures for major neurological diseases.

The structure of the discipline

The program of the discipline "Actual problems of neurology" is a course of choice and is designed for 5th year students of the medical faculty. The program is designed for 20 classroom

hours (practical classes) and 40 hours of VTS. Distribution of the educational process: total academic hours: 60 hours. , which is 2 ECTS credits.

INDICATIVE STRUCTURE OF THE CREDIT LOAN: "Actual problems of neurology".

Topic	Lecture	Classes	Independent work	Individual independent work
1. Vascular diseases of the brain and spinal cord.	-	2	4	Independent study outside the classroom topics. Participation in the work of the student scientific circle, interuniversity Olympiad.
2. Epilepsy and non-epileptic paroxysmal disorders.	-	1	3	
3. Perinatal encephalopathy.	-	1	2	
4. Infectious lesions of the nervous system. Acute respiratory disease COVID-19 is caused by the crown virus SARS-COV-2.	-	1	2	
5. Headache: primary, secondary. Other types of pain.	-	2	3	
6. Pathology of the ANS: asthenic syndrome, psycho-autonomic syndrome, panic attack.	-	1	2	
7. Diseases of the peripheral nervous system.	-	1	2	
8. Hereditary diseases of the nervous system.	-	1	2	
9. Demyelinating diseases of the nervous system.	-	1	2	
10. Somatoneurological syndromes.	-	1	3	
11. Emergencies: disorders of consciousness, epileptic seizure, status epilepticus, neonatal asphyxia, hypertensive crisis, acute cerebral insufficiency.	-	2	4	
12. Functional diagnosis of diseases of the nervous system.	-	1	4	
13. Drugs used in neurology.	-	1	3	
14. Practical skills. Analysis of patients.	-	2	4	
15. Credit class	-	2		
Total hours 60 / 2 ECTS credits		26	34	

Thematic plan of practical classes

№	Topic	Hours
1.	Vascular diseases of the brain and spinal cord.	2
2.	Epilepsy and non-epileptic paroxysmal conditions.	1
3.	Perinatal encephalopathy.	1
4.	Infectious diseases of the nervous system. Acute respiratory disease COVID-19 is caused by the crown virus SARS-COV-2.	1
5.	Headache: primary, secondary. Other types of headaches.	2
6.	Pathology of the ANS: asthenic syndrome, psycho-autonomic syndrome, panic attack.	1
7.	Diseases of the peripheral nervous system.	1
8.	Hereditary diseases of the nervous system.	1
9.	Demyelinating diseases of the nervous system.	1
10.	Somatoneurological syndromes.	1
11.	Emergencies: disorders of consciousness, epileptic seizure, status epilepticus, neonatal asphyxia, hypertensive crisis, acute cerebral insufficiency.	2
12.	Functional diagnosis of diseases of the nervous system.	1
13.	Drugs used in neurology.	1
14.	Practical skills. Analysis of patients.	2
15.	Credit class	2
	In total	26

Types of independent work of students (IWS) and its control

№	Topic	IWS	Type of control
1.	Preparation for practical classes - theoretical training and acquisition of practical skills.	10	Current control in practical classes
2.	Independent elaboration of topics that are not included in the plan of classroom classes: -Chronic occupational injuries (vibration disease, occupational dyskinesias). -Vertebrogenic syndromes in pathology of the spine. -Prevention of vascular diseases of the brain and spinal cord. -Rehabilitation of patients after a stroke: modern aspects to improve the quality of life of the patient.	18	Current control
3.	Functional diagnosis of diseases of the nervous system.	4	Current control
4.	Drugs used in neurology.	4	Current control
5.	<i>Individual independent work</i>	2	Current control in practical classes
	Participation in a scientific student group, interuniversity competitions		
4.	<i>Preparation for the test</i>	2	Credit test
	In total	34	

Individual task.

The individual task is performed by students independently under the guidance of the teacher. The purpose of the individual task - independent study of part of the program material, systematization, deepening, generalization and practical application of student knowledge of the course, the development of skills of independent work. The individual task has the form of independent abstract work of the student and consists of sections: the maintenance of the task, theoretical and practical component, the conclusion, the list of the used (modern) literature. Disclosure of the individual task should have a practical focus, recommendations for prevention and rehabilitation to improve the quality of life of the patient.

Individual tasks in the study of "Actual problems of neurology" include: self-study of topics that are not included in the plan of classrooms, preparation for practical classes and credit tests.

Independent study of the following extracurricular topics:

1. Chronic occupational injuries (vibration disease, occupational dyskinesias).
2. Vertebrogenic syndromes in spinal pathology.
3. Prevention of vascular diseases of the brain and spinal cord.
4. Rehabilitation of patients after stroke: modern aspects to improve the quality of life of the patient.

Changes and additions to the list of literature (Minutes №1 of August 28, 2020) in the discipline "Current issues of neurology (elective course)":

References:

1. Neurology = Неврология : textbook for students of higher education establishments - medical universities, institutes and academies. / edit by L.A.Hryhorova, L. I. Sokolova. - K. : AUS Medicine Publishing, 2017. - 624 c.
2. Stuhan Davis. Neurology: NEUROLOGY CLINICAL PRACTICE AND CRITICAL CARE: The Clinical Practice of Neurology (Kindle Edition) Amazon Digital Services LLC (August 22, 2019).
3. Mervat Wahba. The Clinical Practice of Critical Care Neurology: clinical localization, Diagnosis & Treatment in Clinical Neurology and Neuroanatomy, of
4. Neurological disorders and the investigative modalities (Kindle Edition) Amazon Digital Services LLC (August 8, 2019)
5. Lidia Morawska, Donald K Milton. It is Time to Address Airborne Transmission of COVID-19. Clinical Infectious Diseases, ciaa939, <https://doi.org/10.1093/cid/ciaa939>. Published: 06 July 2020.
6. Coronavirus Disease 2019 (COVID-19). CASES, DATA & SURVEILLANCE. Data on COVID-19 during Pregnancy. Updated July 23, 2020.
7. Coronavirus: These maps show risk levels for every county and every state in real time. By KURT SNIBBE | Southern California News Group. PUBLISHED: July 13, 2020.