



**«С.Ж. АСФЕНДИЯРОВ АТЫНДАҒЫ ҚАЗАҚ ҰЛТТЫҚ МЕДИЦИНА УНИВЕРСИТЕТІ» КЕАҚ
НАО «КАЗАХСКИЙ НАЦИОНАЛЬНЫЙ МЕДИЦИНСКИЙ УНИВЕРСИТЕТ ИМЕНИ С.Д.АСФЕНДИЯРОВА»**

Department of Psychiatry and Narcology named
after Professor G.I. Saltzman
Department of Nervous Diseases

Syllabus

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«Approved»

By Head of the Department of Psychiatry and
Narcology named after Professor G.I. Saltzman
B.B. Jarbusynova

Head of the Department of Nervous Diseases
S.T. Turaspekova

« ___ » _____ 2023 г.

SYLLABUS

Learning program	Bachelor's program		
The cipher and the name of the Educational Program	6B.0107 «General medicine»		
The cycle of discipline	ПД/РК		
Discipline code	B.23- FNP		
Name of the discipline	Module: Fundamentals of neurology and psychiatry B.23-FNP.FPC Fundamentals of psychiatry, including children's B.23-FNP.FNC Fundamentals of neurology, including children's		
Course	5	Semestr	IX, X
Credits ECTS	7: of them Fundamentals of neurology, including children's- 4 Fundamentals of psychiatry, including children's 3		
Total hours	210h	classroom	105
		independent work of a student with a teacher	35
		independent work of a student	40
Department/course	Department of Psychiatry and Narcology named after Professor G.I. Saltzman Department of Nervous Diseases		
Language of learning	English		
Form of final control	Integrated assessment Stage 1 – practical skills training (CbD) Stage 2 – MCQ- testing		

Almaty, 2023



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Regulatory references:

The syllabus is compiled in accordance with:


- By Order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan No. 647 dated 31.07.2015 "On approval of state mandatory standards and standard professional training programs in medical and pharmaceutical specialties" (as amended on 21.02.2020);
- Educational program in the specialty 6B10107 "General Medicine", approved by the Rector's order No. 195 dated 28.08.2019. (updated and approved by the decision of the Academic Council, Protocol No. 4 of 18.01.2023);
- By Order of the Minister of Education and Science of the Republic of Kazakhstan dated April 20, 2011 No. 152 "On approval of the Rules for the organization of the educational process on credit technology of education in organizations of higher and (or) postgraduate education" (as amended on 04/05/2023).

Developed and discussed:	Signature	Full name	Protocol details
Associate Professor of the Department of Psychiatry and Narcology named after G.I. Saltzman, c.m.s.		Kalieva Zh.D.	Minutes of the meeting of the Department No. 12 dated 06.06.2023
Associate Professor of the Department of Psychiatry and Narcology named after G.I. Saltzman, assistant		Akshelova A.K.	
Associate Professor of the Department of Nervous Diseases, c.m.s.		Izbasarova A.Sh.	Minutes of the meeting of the Department No. 12 dated 06.06.2023
Agreed:			
Chairman of the Committee of Educational Programs for the School of General Medicine -2		Yesenkulova S.A.	Minutes of the meeting of the Committee of Educational Programs No. dated 13.06.2023 y.
Technical expertise			
Senior Methodologist of the Educational and Methodical Department		Korganbayeva A.A.	

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Information about teachers

№	Head of the department, head teacher, responsible for discipline and/or developers	Position	Academic degree	Email address
Кафедра нервных болезней				
1.	Turuspekova Saule Tleubergenovna	Head of department, professor	Doctor of Medical Sciences	+7(705)6667755 doctorsaule@mail.ru
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Department of Psychiatry and Narcology named after Professor G.I. Salzman				
1.	Dzharbusynova Botagoz Bineshovna	Head of Department Professor	doctor of medicine	87017152209 botagozj@mail.ru,
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1. Training format:

- 100% face-to-face format, if the epidemiological situation worsens, switch to the online format.

2. **The purpose of the discipline:** to form knowledge and understanding on the theoretical foundations of neurology, psychiatry and narcology, to teach communication skills with patients.


3. **A brief description of the discipline:** A graduate will be able to engage in medical activities taking into account regulatory and legal aspects, applying knowledge about the etiology, pathogenesis, common pathology of the nervous system and urgent conditions, their clinical, laboratory and instrumental diagnostics, experimental psychological research, principles of therapy, psychopharmacotherapy and cupping, taking into account age characteristics; establish professional relationships with colleagues and patients, for the effective performance of professional tasks.

Learning outcomes

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LO EP	The result of the discipline/module training	Evaluation method	Share of evaluation (%)	Training method
Upon completion of training in the discipline / module, the student will be able to:				
LO 1	Apply knowledge about the anatomical and physiological structure, biochemical aspects and functional organization of the nervous and mental system in humans, taking into account age characteristics	Testing	40%	Lecture material, Practical lesson Practical master class (demonstration), Work in small groups
LO 2	2.1 Interpret the results of clinical and instrumental methods of studying the nervous and mental system	OSCE	20%	Practical lesson Working in small groups
	2.2 Identify symptoms and syndromes of neurological and mental pathology.	Direct observation OSCE	20%	Practical lesson Working in small groups CBL
LO 5	5.1. Develop the ability to self-assess their own knowledge, skills and limitations to seek help from colleagues	Direct observation	5%	Practical lesson Working in small groups
	5.2. Set goals for further learning and self-improvement, eliminate gaps in knowledge, skills and approaches through training	Direct observation	5%	Practical lesson Working in small groups
LO 6	6.1.To work effectively in the existing system of medical care related to the clinical specialty	Direct observation	10%	Practical lesson Working in small groups

4. Diseases/ Clinical problems in the module "Fundamentals of neurology and psychiatry"

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№ in orde r	No. from the list in the EP	Diseases/ Clinical problems	Training level
1	26	Parkinson's disease	PD
2	57	Coma	E
3	60	Tension headache	DT
4	62	Backache	PD
5	87	Benign paroxysmal positional vertigo	DT
6	97	Acute and transient disorders of cerebral circulation	E
7	112	cognitive disorders	PD
8	125	myasthenia gravis	PD
9	126	Migraine	DT
10	130	Myopathies	PD
11	135	Sleep disorders	D
12	137	Meningitis and encephalitis	PD
13	138	Neuropathy of the facial nerve	PD
14	187	Mononeuropathies and radiculopathies	PD
15	188	Polyneuropathies	PD
16	204	Demyelinating diseases of the CNS	PD
17	225	Guillain-Barré syndrome	PD
18	226	Myelopathy	PD
19	234	AIDS and HIV	PD
20	239	Seizures in a newborn	E
21	253	Febrile convulsions	E

№ in orde r	No. from the list in the EP	Diseases/ Clinical problems	Training level
1	20	Bipolar disorder	PD
2	52	Generalized anxiety disorder	PD
3	64	Depression	PD
4	84	Dissociative disorders	PD
5	104	Hypochondria	PD
6	112	Cognitive disorders	PD
7	114	Conversion disorders	PD
8	136	Neurasthenia	PD
9	158	Acute reaction to stress, adaptation disorders	D
10	175	Panic disorders	PD
11	197	Post-traumatic stress disorder	DT
12	199	Problems with the use of psychoactive substances	D
13	200	Problems of sexual orientation	PD
14	207	Eating disorders	PD

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15	208	Behavioral disorders	PD
16	209	Mental development disorders, autism	PD
17	231	Somatoform disorders	DT
18	240	Suicide, self-harm	E
19	244	Traumatic brain injury	D
20	268	Schizophrenia and other psychotic disorders	PD
21	275	Epilepsy	PD
22	205	Personality disorders (psychopathies)	PD

Levels of knowledge acquisition on diseases and conditions

Coding of the level of development (performance):	
E	Able to recognize a life-threatening condition, provide emergency care and refer to a specialized specialist
PD	He is able to make a preliminary diagnosis with subsequent referral to a specialized specialist
D	He is able to diagnose and plan the principles of treatment of the most common diseases, having completed the necessary preliminary actions, directs the patient to a specialized specialist
DT	Able to independently manage the processes of diagnosis and treatment of the patient

5. Practical skills, manipulations, procedures in the module "Fundamentals of neurology and psychiatry"

№ in order	No. from the list in the EP	Practical skills, manipulations, procedures	Training level
		<i>Patient-oriented collection of complaints, anamnesis of the disease and life</i>	
1	5.	Collection of complaints, anamnesis of the disease and life	4
		General inspection	
2	16.	Physical examination of the nervous system	4
		Record keeping in the medical information system	
3	25.	Drawing up an examination (treatment) plan in the medical information system	4
4	26.	Maintaining an outpatient patient record in a medical information system	4
		Laboratory and functional diagnostics	
5	30.	Interpretation of laboratory studies (cerebrospinal fluid).	4
6	34.	Interpretation of instrumental studies (interpretation of EEG, ENMG, UZDG, CT, MRI)	4
		Urgent Care	
7	42.	Emergency care Treatment for an epileptic seizure	3
8		Help with a migraine attack	3
9		Help for myasthenic crisis	3
10		Helping with a cholinergic crisis	3

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11		Help with pains syndrome	3
12		Stroke care	3

№ in order	No. from the list in the EP	Practical skills, manipulations, procedures	Training level
		<i>Patient-oriented collection of complaints, medical history and life</i>	
1	5.	Collection of complaints, anamnesis of the disease and life	4
		General examination	
2	95	Assessment of mental state	3
		Keeping records in the medical information system	
3	25.	Drawing up an examination (treatment) plan in a medical information system	4
4	26.	Maintaining the patient's outpatient card in the medical information system	4
		Laboratory and functional diagnostics	
5	30.	Interpretation of laboratory tests	4
6	34.	Interpretation of instrumental studies (interpretation of EEG, ENMG, UZDG, CT, MRI)	4
		Emergency care	
7	96	Assessment of suicide risk	3

6. Practical skills conducted in the Simulation Center (SC) (hours in the Working Curriculum, the list of skills to coordinate with the SC – no

7. Thematic plan B.23-ONP.OND Fundamentals of neurology incl. children's

№ in order	Theme	Contact hours	Hours independent work		task
		Practical Classes	IWST (consultation)	IWS	
1	Sensitivity and its disorders. Investigations of surfaces and deep sensitivity. Symptoms and syndromes of sensitivity disorders.	6	2	2,5	Conduct a physical examination and a description of the neurological status in patients with impaired sensitivity. Identify and explain the symptoms and syndromes of damage to the sensitive area Basic literature: pp. 38-54 Kaishibaev S.K. Neurology. Textbook. Part I, Almaty, 2015. pp. 147-151 Fedulov S.A., Nurguzhaev E.S. Neurology and neurosurgery. Tutorial. Top school. –

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					<p>Minsk, 2015</p> <p>DeJong's The Neurologic Examination, 8ed, 2020 William W. Campbell, Richard J. Barohn</p> <p>Атантаева Э.Б. Основы топической диагностики в неврологии [Текст]: Учебно-метод. Пособие: НАО КазНМУ имени Асфендиярова – Алматы, 2022. – 114с. /</p> <p>Electronic resources: http://research.nhgri.nih.gov http://www.ncbi.nlm.nih.gov/PubMed /</p>
2	Voluntary movements and their disorders. Research methods. Types of paralysis	6	2	2,5	<p>Conduct a physical examination and a description of the neurological status in patient with a violation of the motor system. Identify and explain neurological symptoms and syndromes of pathology of the motor system.</p> <p>Literature: pp. 64-78 Kayshibaev S.K. Neurology. Textbook. Part I, Almaty, 2015.</p> <p>pp. 56-73 Fedulov S.A., Nurguzhaev E.S. Neurology and neurosurgery. Tutorial. Top school. – Minsk, 2015.</p> <p>DeJong's The Neurologic Examination, 8ed, 2020 William W. Campbell, Richard J. Barohn</p> <p>Атантаева Э.Б. Основы топической диагностики в неврологии [Текст]: Учебно-метод. Пособие: НАО КазНМУ имени Асфендиярова – Алматы, 2022. – 114с. /</p> <p>Electronic resources: http://www.medscape.com http://www.ncbi.nlm.nih.gov/PubMed /</p>
3	Extraparapidal system. Research methods and syndromes of her disorders.	6	2	2,5	<p>Conduct a physical examination and a description of the neurological status with the setting of a syndromic diagnosis in patients with diseases of the extrapyramidal system (Parkinson's disease, hyperkinesis). Identify and explain neurological symptoms and syndromes of the</p>



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					<p>extrapyramidal system. Literature: pp. 90-112 Kaishibaev S.K. Neurology. Textbook. Part I, Almaty, 2015. pp. 147-151 Fedulov S.A., Nurguzhaev E.S. Neurology and neurosurgery. Tutorial. Top school. – Minsk, 2015. DeJong's The Neurologic Examination, 8ed, 2020 William W. Campbell, Richard J. Barohn B.D. Chaurasia's Human Anatomy vol 3: Head and Neck & vol 4: Brain - Neuroanatomy with CD & Wall Chart 7/e CBS India 2016 Electronic resources: http://research.nhgri.nih.gov http://www.ncbi.nlm.nih.gov/PubMed /</p>
4	<p>Cranial nerves: functions and research 1, 2, 3, 4, 5, 6, 7, 8 pairs. Symptoms of their defeat. Cranial nerves: functions and research 9, 10, 11, 12 pairs. Symptoms of their defeat. Bulbar and pseudobulbar syndrome.</p>	6	2	2,5	<p>To collect anamnesis (complaints, analysis of life and disease) in patients with impaired cranial insufficiency. To conduct a physical examination and a description of the neurological status with the presentation of a syndromic diagnosis in patients with impaired cranial insufficiency. Identify and explain neurological symptoms and syndromes with dysfunction of craniocerebral insufficiency. Literature: pp. 119-158 Kayshibaev S.K. Neurology. Textbook. Part I, Almaty, 2015. pp. 80-117 Fedulov S.A., Nurguzhaev E.S. Neurology and neurosurgery. Tutorial. Top school. – Minsk, 2015. DeJong's The Neurologic Examination, 8ed, 2020 William W. Campbell, Richard J. Barohn Electronic resources http://www.medscape.com http://www.ncbi.nlm.nih.gov/PubMed /</p>
5	<p>Higher brain functions. Research methods and</p>	6	2	2,5	<p>To collect anamnesis (complaints, analysis of life and disease) in patients</p>



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	symptoms of the lesion. autonomicnervoussystem.				with diseases of the autonomic nervous system. Conduct a physical examination and a description of the neurological status with a syndromic diagnosis in patients with diseases of the autonomic nervous system. Identify and explain neurological symptoms and syndromes of the autonomic nervous system. Literature: pp. 172-180 Kaishibaev S.K. Neurology. Textbook. Part I, Almaty, 2015. pp. 184-195 Fedulov S.A., Nurguzhaev E.S. Neurology and neurosurgery. Tutorial. Top school. – Minsk, 2015. DeJong's The Neurologic Examination, 8ed, 2020 William W. Campbell, Richard J. Barohn Electronic resources: http://research.nhgri.nih.gov http://www.ncbi.nlm.nih.gov/PubMed /
6	Cerebrovascular diseases. Transient cerebral ischemic attacks and related syndromes. Brain infarction. hemorrhagic stroke. Features of the course of stroke in children.	6	2	2,5	To collect anamnesis (complaints, analysis of life and disease) in patients with acute cerebrovascular diseases. Conduct a physical examination and a description of the neurological status with a syndromic diagnosis in patients with acute cerebrovascular diseases. Determine treatment tactics and explain neurological symptoms and syndromes.. Literature: pp. 36-83 Kayshibaev S.K. Neurology. Textbook. Part II, Almaty, 2015. pp. 175-189 Fedulov S.A., Nurguzhaev E.S. Neurology and neurosurgery. Tutorial. Top school. – Minsk, 2015. Electronic resources: https://acls-algorithms.com/adult-stroke-algorithm/ https://www.rcpch.ac.uk/resources/stroke-in-childhood-clinical-guideline http://www.ncbi.nlm.nih.gov/PubMed
7	Affection of individual	6	2	2,5	To collect anamnesis (complaints,



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	nerves, nerve roots and plexuses.				analysis of life and disease) in patients with neurological manifestations of osteochondrosis of the spine. Conduct a physical examination and a description of the neurological status with a syndromic diagnosis in patients with neurological manifestations of osteochondrosis of the spine. Identify and explain neurological symptoms and syndromes. Literature: pp. 183-222 Kayshibaev S.K. Neurology. Textbook. Part II, Almaty, 2015. pp. 165-176 Fedulov S.A., Nurguzhaev E.S. Neurology and neurosurgery. Tutorial. Top school. – Minsk, 2015. B.D.Chaurasia`s Human Anatomy vol 3: Head and Neck & vol 4: Brain - Neuroanatomy with CD & Wall Chart 7/e CBS India 2016 Electronic resources: http://research.nhgri.nih.gov http://www.ncbi.nlm.nih.gov/PubMed
8	Inflammatory diseases of the CNS. Viral and bacterial infections of the CNS. epidemic encephalitis. Herpetic encephalitis. Tick-borne viral encephalitis. Meningococcal meningitis. Lymphocytic choreomeningitis	6	2	2,5	To collect anamnesis (complaints, analysis of life and disease) in patients with infections of the central nervous system. Conduct a physical examination and a description of the neurological status with a syndromic diagnosis in patients with infections of the central nervous system. Identify and explain neurological symptoms and syndromes. Literature: pp. 85-160 Kaishibaev S.K. Neurology. Textbook. Part II, Almaty, 2015. pp 193-205 Fedulov S.A., Nurguzhaev E.S. Neurology and neurosurgery. Tutorial. Top school. – Minsk, 2015. Electronic resources: https://www.rch.org.au/clinicalguide/guideline_index/Meningitis_encephalitis/ http://www.ncbi.nlm.nih.gov/PubMed/ http://www.medline.com http://www

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9	Demyelinating diseases (multiple sclerosis). Degenerative diseases (ALS).	6	2	2,5	<p>To collect anamnesis (complaints, analysis of life and disease) in patients with demyelinating diseases of the nervous system. Conduct a physical examination and a description of the neurological status with a syndromic diagnosis in patients with demyelinating diseases of the nervous system. Identify and explain neurological symptoms and syndromes.</p> <p>Literature: pp. 166-173 Kaishibaev S.K. Neurology. Textbook. Part II, Almaty, 2015. pp. 185-225 Fedulov S.A., Nurguzhaev E.S. Neurology and neurosurgery. Tutorial. Top school. – Minsk, 2015.</p> <p>Electronic resources: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10169923/ MS https://emedicine.medscape.com/article/1170097-guidelinesALS http://www.ncbi.nlm.nih.gov/PubMed /</p>		
10	Epilepsy. epileptic status. Epileptic syndromes of early age. Migraine.	6	2	2,5	<p>To collect anamnesis (complaints, anamnesis of life and disease) in patients with epilepsy. Perform physical examination and neurologic status in patients with epilepsy. Identify and explain neurological symptoms and syndromes.</p> <p>Literature: pp. 349-351 Kaishibaev S.K. Neurology. Textbook. Part II, Almaty, 2015. pp. 175-189 Fedulov S.A., Nurguzhaev E.S. Neurology and neurosurgery. Tutorial. Top school. – Minsk, 2015.</p> <p>Electronic resources: /www.ilae.org/guidelines/definition-and-classification-of-epilepsy-syndromes https://pubmed.ncbi.nlm.nih.gov/31492106/J Headache Pain. (2019) http://www.medline.com http://www.medlit.com</p>		



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1	Symptoms and syndromes of sensitivity disorders.	6	2	2,5	Work in pairs: a technique for studying the sensitive sphere; Evaluation of skill demonstration of practical skill.
2	Микрокурация пациентов с расстройствами в двигательной сфере	6	2	2,5	Работа в парах: методика исследования двигательной сферы; Оценка умения демонстрации практического навыка.
3	Cerebellum. Studies of motor coordination and syndromes of their disorders	6	2	2,5	Work in pairs: a technique for studying of motor coordination; Evaluation of skill demonstration of practical skill.
4	Examination of the cranial nerves. Bulbar and pseudobulbar syndromes in children.	6	2	2,5	Work in pairs: a technique for studying of the cranial nerves; Evaluation of skill demonstration of practical skill.
5	Study of the autonomic nervous system and syndromes of its disorders. Disorders of the autonomic nervous system.	6	2	2,5	Work in pairs: a technique for studying of autonomic nervous system; Evaluation of skill demonstration of practical skill.
6	Consequences of cerebrovascular diseases. Chronic cerebral ischemia.	6	2	2,5	Fill in the clinical protocol, solve situational problems
7	Polyneuropathy. tunnel syndromes.	6	2	2,5	Fill in the clinical protocol, solve situational problems, study presentations, video material on the topic
8	Secondary meningitis. Viral meningitis. Herpetic meningitis. tuberculous meningitis. Pneumococcal meningitis. Staphylococcal meningitis. . Streptococcal meningitis.	6	2	2,5	Fill in the clinical protocol, solve situational problems, study presentations, video material on the topic
9	Neuromuscular diseases. Diseases of the neuromuscular junction and muscles Myasthenia. myasthenic syndromes.	6	2	2,5	Fill in the clinical protocol, solve situational problems, study presentations, video material on the topic
10	Non-epileptic paroxysmal disorders of consciousness.	6	2	2,5	Fill in the clinical protocol, solve situational problems, study presentations, video material on the topic



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					topic
1	Noceptive systems in the central nervous system. Painsyndromesinneurology.	6	2	2,5	Compose and solve situational problems, study presentations, video material on the topic
2	Neurophysiological processes in the central nervous system providing voluntary movements	6	2	2,5	Compose and solve situational problems, study presentations, video material on the topic
3	Neurotransmitter exchange in the subcortical nodes, providing the motor process.	6	2	2,5	Compose and solve situational problems, study presentations, video material on the topic
4	The concept of alternating syndromes	6	2	2,5	Compose and solve situational problems, study presentations, video material on the topic
5	Additional research methods in neurology	6	2	2,5	Compose and solve situational problems, study presentations, video material on the topic
6	Basics of rehabilitation of neurological diseases	6	2	2,5	Fill in the clinical protocol, solve situational problems, study presentations, video material on the topic.
7	Дорсопатия	6	2	2,5	Решить ситуационные задачи, изучить презентации, видео материал по теме.
8	Secondary neuroinfections. Neurobrucellosis, neurosyphilis, HIV, rheumovasculitis. Clinical forms. Diagnostics. Features of damage to the CNS in brucellosis and tuberculosis.COVID-associated CNS complication.	6	2	2,5	Fill in the clinical protocol, solve situational problems, study presentations, video material on the topic.
9	Acutedisseminatedencephalomyelitis. Syringomyelia	6	2	2,5	Fill in the clinical protocol, solve situational problems, study presentations, video material on the topic.
10	Perinatal pathology of the nervous system. Cerebral palsy	6	2	2,5	Fill in the clinical protocol, solve situational problems, study presentations, video material on the topic.

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Total: 4 credits (120 hours)	60	20	25	
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Thematic plan B.23-ONP.OPD Fundamentals of psychiatry, including children's

№ in order	Theme	Cont act hour s*	Hours of independent work		Task
		Pract ical traini ngs	IWST (consulta tion)	IWS	
1	The subject and tasks of psychiatry. Classification of mental disorders. Methods of examination. Types of expertise in psychiatry. Clinical and psychopathological symptoms and syndromocomplexes of disorders of sensations, perception, thinking. Features in childhood and adolescence.	6,5	2	2	<p>Methods of examination. Types of expertise in psychiatry. Identify and explain mental symptoms and syndromes of sensations, perception and thinking. Describe the mental status.</p> <p>Literature, including electronic resources: No.1 - Ivanets N.N., Tulpin V.V., Chirko V.V., Kinkulkina M.A. Psychiatry and narcology. Textbook for medical university students. GEOTAR-Media 496 p. 2012. pp.14-32</p> <p>Electronic resources Internet resources (Web resources): www.medscape.com www.clinical.corruption.com www.oxfordmedicine.com Information and didactic block prepared by the teaching staff of the department, topic 1</p>
2	Clinical and psychopathological symptoms and syndromocomplexes of disorders of memory and attention, speech, intelligence of emotions, motor-volitional disorders and disorders of attraction. Features in childhood and adolescence.	6,5	2	2	<p>Identify and explain mental symptoms and syndromes of memory and attention, speech, intelligence of emotions, motor-volitional disorders and disorders of attraction.</p> <p>Literature, including electronic resources: No.1 - Ivanets N.N., Tulpin V.V., Chirko V.V., Kinkulkina M.A. Psychiatry and narcology. Textbook for medical university students.</p>

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					GEOTAR-Media 496 p. 2012. pp.14-32 Electronic resources Internet resources (Web resources): www.medscape.com www.clinical.corroption.com www.oxfordmedicine.com Information and didactic block prepared by the teaching staff of the department, topic 2
3	Disorders of consciousness and paroxysmal disorders. Features in childhood and adolescence. Endogenous mental disorders, their features in childhood and adolescence. Rules for writing mental status. The basics of psychopharmacotherapy, including in childhood and adolescence	6,5	2	2	Identify and explain mental symptoms and syndromes of disorders of consciousness and paroxysmal disorders. Literature, including electronic resources: No.1 - Ivanets N.N., Tulpin V.V., Chirko V.V., Kinkulkina M.A. Psychiatry and narcology. Textbook for medical university students. GEOTAR-Media 496 p. 2012. pp.14-32 Electronic resources Internet resources (Web resources): www.medscape.com www.clinical.corroption.com www.oxfordmedicine.com Information and didactic block prepared by the teaching staff of the department, topic 3
4	Exogenous and exogenous-endogenous mental disorders, their features in childhood and adolescence.	6,5	2	2	To collect anamnesis (complaints, life analysis and diseases) in patients with exogenous and endogenous disorders. Conduct a physical examination and a description of the mental status with a syndromic diagnosis. Literature, including electronic resources: No.1 - Ivanets N.N., Tulpin V.V., Chirko V.V., Kinkulkina M.A. Psychiatry and narcology. Textbook for medical university students. GEOTAR-Media 496 p. 2012. pp.14-32 Electronic resources Internet resources (Web resources): www.medscape.com www.clinical.corroption.com



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					www.oxfordmedicine.com Information and didactic block prepared by the teaching staff of the department, topic 4
5	Personality disorders, mental disorders associated with stress, especially in childhood and adolescence	6,5	2	2	To collect anamnesis (complaints, life analysis and diseases) in patients with personality disorders, mental disorders associated with stress, especially in childhood and adolescence. Conduct a physical examination and a description of the mental status with a syndromic diagnosis Literature, including electronic resources: No.1 - Ivanets N.N., Tulpin V.V., Chirko V.V., Kinkulkina M.A. Psychiatry and narcology. Textbook for medical university students. GEOTAR-Media 496 p. 2012. pp.14-32 Electronic resources Internet resources (Web resources): www.medscape.com www.clinical.corruption.com www.oxfordmedicine.com Information and didactic block prepared by the teaching staff of the department, topic 5
6	Classification of narcological diseases. Physiology and pharmacology of psychoactive substances. Big drug addiction syndrome. Mental and behavioural disorders as a result of alcohol consumption (F 10). Alcoholic psychoses. Boundary control.	6,5	2	2	To collect anamnesis (complaints, life analysis and diseases) in patients with alcoholism. Conduct a physical examination and a description of the mental status with a syndromic diagnosis Literature, including electronic resources: No.1 - Ivanets N.N., Tulpin V.V., Chirko V.V., Kinkulkina M.A. Psychiatry and narcology. Textbook for medical university students. GEOTAR-Media 496 p. 2012. pp.14-32 Electronic resources Internet resources (Web resources): www.medscape.com www.clinical.corruption.com www.oxfordmedicine.com Information and didactic block


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					prepared by the teaching staff of the department, topic 6
7	Features of the formation and clinical manifestations of the most common forms of drug addiction and substance abuse. Treating Substance Use Disorders - Continuum of Care. IWS	6,5	3	3	To collect anamnesis (complaints, life analysis and diseases) in patients with various forms of drug addiction. Literature, including electronic resources: No.1 - Ivanets N.N., Tulpin V.V., Chirko V.V., Kinkulkina M.A. Psychiatry and narcology. Textbook for medical university students. GEOTAR-Media 496 p. 2012. pp.14-32 Electronic resources Internet resources (Web resources): www.medscape.com www.clinical.corruption.com www.oxfordmedicine.com Information and didactic block prepared by the teaching staff of the department, topic 7
Independent work of a student with a teacher					
1	Symptoms and syndromes of disturbance of sensations, perception, thinking.	6,5	2	2	Fill out the clinical protocol, solve the clinical case, study presentations, video material on the topic
2	Symptoms and syndromes of memory and attention disorders, speech, intelligence, emotions, motor-volitional disorders and drive disorders.	6,5	2	2	Fill out the clinical protocol, solve the clinical case, study presentations, video material on the topic
3	Symptoms and syndromes of impaired consciousness and paroxysmal disorders. The most common endogenous mental disorders. Rules for writing mental status. Fundamentals of psychopharmacotherapy, including in childhood and adolescence.	6,5	2	2	Fill out the clinical protocol, solve the clinical case, study presentations, video material on the topic
4	The most common endogenous-exogenous and exogenous mental disorders.	6,5	2	2	Fill out the clinical protocol, solve the clinical case, study presentations, video material on the topic
5	The most common personality disorders and	6,5	2	2	Fill out the clinical protocol, solve the clinical case, study presentations,


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	mental disorders associated with stress				video material on the topic
6	Types of alcoholic intoxication. Alcoholic psychoses.	6,5	2	2	Fill out the clinical protocol, solve the clinical case, study presentations, video material on the topic
7	The most common substance abuse and drug addiction in the Republic of Kazakhstan.	6,5	3	3	Fill out the clinical protocol, solve the clinical case, study presentations, video material on the topic

Independent work of the student

1	Clinical features of sensation and perception disorders in childhood and adolescence. Health Code. Standard of psychiatric care for the population of the Republic of Kazakhstan.	6,5	2	2	Compose and solve clinical case, study presentations, video material on the topic
2	Clinical features of speech, intelligence, thinking, memory and attention disorders in childhood and adolescence.	6,5	2	2	Compose and solve clinical case, study presentations, video material on the topic
3	Clinical features of emotion, motor-volitional and attraction disorders, consciousness and paroxysmal disorders in childhood and adolescence. Features of psychopharmacotherapy, including in childhood and adolescence	6,5	2	2	Compose and solve clinical case, study presentations, video material on the topic
4	Clinical features of endogenous mental disorders in childhood and adolescence.	6,5	2	2	Compose and solve clinical case, study presentations, video material on the topic
5	Clinical features of personality and mental disorders associated with stress, exogenous and exogenous-endogenous mental disorders in childhood and adolescence.	6,5	2	2	Compose and solve clinical case, study presentations, video material on the topic
6	Common Co-Occurring Mental and Medical Disorders—An Overview	6,5	2	2	Compose and solve clinical case, study presentations, video material on the topic
7	Clinical features of formation and clinical	6,5	3	3	Compose and solve clinical case, study presentations, video material on

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	manifestations of the most common forms of substance abuse. Basic Counseling Skills of persons dependent on surfactants (UTC SUD)				the topic
	Total: 3 credits (90 hours)	45	15	15	

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Evaluation Policy

Type of control	The specific weight of the assessment	Structure of evaluation of learning outcomes	Form of conducting
Current	40% from AAR	<p>Discipline "Fundamentals of neurology incl. children's": Knowledge score - 10 Assessment of understanding and application of knowledge - 4, Assessment of communication skills - 2 Evaluation of the results of independent work of students - 1 Total assessments of the current control – 17</p> <p>Discipline "fundamentals of psychiatry, including children's": Assessment of knowledge – 7 Formation of judgments-1 Assessment of communication skills -1 Assessment of understanding and application of knowledge – 1, Learning skills or learning abilities, IWS -1 Boundary control-1 Total ratings of the current control – 12 Total assessments of the boundary control module "fundamentals of neurology and psychiatry"-3</p>	<p>The current control provides for the assessment of theoretical knowledge, the development of practical skills on volunteers (students), the student's communication skills in practical classes is carried out by the method of oral / written questioning, solving cases, situational tasks, evaluating tasks on the IWS.</p> <p>Current assessments are carried out within the time limits specified in the summative assessment matrix for the discipline.</p> <p>Scoring is carried out when filling out the appropriate assessment sheets.</p>
Border control	60% from AAR In the disciplines of differential credit, current grades =100% AAR	<p>The arithmetic mean of all BC. Total BC=2, in which classes (BC1 at 5-th class, BC 2 at 10-s class): $BC = (BC_1 + BC_2) / 2$</p>	<p>Discipline "Fundamentals of neurology incl. children's": The first Midterm carried out orally in the form of solving cases indicating the syndromological, topical diagnosis and demonstrating practical skills (on student volunteers, improvised means). One of the questions of Midterm is accompanied by an explanation of 5 terms in three</p>



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			languages, according to the subject of this question. The second Midterm in the form of testing, in the case of online formats, TK is uploaded to the dis.kaznmu.kz (Moodle) platform or Classroom in the language of instruction - 50%, in the second language - 20%, in English - 30% is carried out in writing (testing). The calculation of points is carried out after filling out the corresponding evaluation sheet.
Assessment of the admission rating (AAR)	AAR= (CC arithmetic mean*0,4)+(BC*0,6)	If the AAR is less than 50%, the student is not allowed to take the final exam AAR discipline = CC arithmetic mean*0,4 + BC arithmetic mean*0,6	The minimum AAR score for admission to the exam = 50. With a lower AAR value, the student is not allowed to take the exam and re-studies the discipline in the summer additional semester, on a fee basis.
Assessment of the final control (AFC, exam)		Final control (exam) the discipline is conducted in 2 stages	The exam in the discipline is conducted in 2 stages: stage 1 - according to clinical cases (CbD) 2nd stage. in the form of testing MCQ The assessment of the final control is set on the basis of scoring after filling out the appropriate assessment sheet.
Final assessment (FA)	FA= (AAR *0,6)+(EFC * 0,4)	When calculating the final assessment (FA) for the discipline, the assessment of the admission rating (AAR) and the assessment of the final control (AFC) are multiplied by the corresponding coefficients and summed up. FA = (AAR *0,6)+(AFC *0,4) IAmodule= AARmodule * 0.6+ AFCmodule*0.4, where AFCmodule=AFC stage 1*0.5+AFC stage 2*0.5 IAmodule=AARmodule*0.6+AF Cmodule*0.4, where AFCmodule=(AFC md1 * number	The minimum score of a positive FA in the discipline = 50. If a student receives 25-49 points on the exam (grade FX) , he has the right to retake the exam during the interim certification period. A student who does not agree with the exam result has the right to appeal, no later than the next day after passing the exam.

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		of credits md1+AFC md2* number of credits md2+....+AFC md n* number of credits md n)/total number of credits	

Literature

Literature on the discipline/module "Fundamentals of neurology incl. children's"

Main: (for undergraduate students - no more than two sources available in the library, depth no more than 10 years)


1. Кайшибаев С.К. Неврология. Учебник. I часть, 2 часть. - Алматы, 2015.
2. Федулов С.А., Нургужаев Е.С. Неврология и нейрохирургия. Учебное пособие. Высшая школа. – Минск, 2015.

Additional:

1. А.А. Скоромец, А.П. Скоромец, Т.А. Скоромец. Неврологический статус и его интерпретация: учебное руководство для врачей + DVD под редакцией профессора М. М. Дьяконова. - 5-е изд. Москва: МЕДпресс-информ, 2017 - 255 с. : ил. ; 22 +1 электрон. опт. Диск.
2. С.Н. Иллариошкин, О.С. Левин. Руководство по диагностике и лечению болезни Паркинсона /Национальное общество по изучению болезни Паркинсона и расстройств движений. - Москва : [б. и.], 2017 - 323 с. : табл. ; 16.
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In English:

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2. Harrison`s Principle`s of internal medicine, 21-edition, 2022. Part 13/ Neurologic disorders/ Section 1 – Diagnosis of neurologic disorders, Section 2 – Diseases of Central Nervous System, Section 3 – Nerves and Muscles Disorders
3. DeJong`s The Neurologic Examination, 8ed, 2020 William W. Campbell, Richard J. Barohn
4. Davidson's Principles and Practice of Medicine. 24th Edition - March 1, 2022. Editors: Ian D Penman, Stuart H. Ralston, Mark W J Strachan, Richard Hobson.
5. Kaplan Medical USMLE Step 2CK. Internal Medicine. Lectures Notes. 2013. Chapter 11 Neurology, page 353-379
6. Atlas of Neuroanatomy and Neurophysiology by Netter. Special edition/ 2014/ page 1-98 - Clinics in neurology, Deshpande. 2014

	«С.Ж. АСФЕНДИЯРОВ АТЫНДАҒЫ ҚАЗАҚ ҰЛТТЫҚ МЕДИЦИНА УНИВЕРСИТЕТІ» КЕАҚ НАО «КАЗАХСКИЙ НАЦИОНАЛЬНЫЙ МЕДИЦИНСКИЙ УНИВЕРСИТЕТ ИМЕНИ С.Д.АСФЕНДИЯРОВА»	
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7. Hansen JM, Charles A. Differences in treatment response between migraine with aura and migraine without aura: lessons from clinical practice and RCTs. *J Headache Pain*. (2019) 20:96. doi: 10.1186/s10194-019-1046-4

Electronic resources:

1. <http://research.nhgri.nih.gov>
2. <http://www.ncbi.nlm.nih.gov/PubMed/>
3. <http://www.medscape.com>
4. <http://www.medline.com> <http://www.medlit.com>
5. [oxfordmedicine.com](http://www.oxfordmedicine.com)
6. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10169923/>
7. <https://emedicine.medscape.com/article/1170097-guidelines-ALS>
8. https://www.rch.org.au/clinicalguide/guideline_index/Meningitis_encephalitis/
9. www.ilae.org/guidelines/definition-and-classification-of-epilepsy-syndromes
10. <https://pubmed.ncbi.nlm.nih.gov/31492106/>
11. <https://acls-algorithms.com/adult-stroke-algorithm/>
12. <https://www.rcpch.ac.uk/resources/stroke-in-childhood-clinical-guideline>

"Fundamentals of psychiatry, including children's"

In Russian:

Obligatory:

1. - Neznanov N. G. Psychiatry: textbook. GEOTAR-Media 496 p. 2018.
2. Tsygankov B.D., Ovsyannikov S.A. Psychiatry. I.M. Sechenov MMA State Educational Institution, 2016.

In Kazakh:

1. Zharikov N.M., Ursova L.G., Hritinin D.F., Sarsembayev K.T. Psychiatry, textbook (with glossary in 3 languages), Kazakh language, 2nd edition revised and supplemented - M: Littera, 2016.

In English:

1. KaplanMedical. USMLETM Step 2 CK. Psychiatry, Epidemiology and Ethics.
2. Psychiatry at a Glance 6th Edition. 2016.

Additional literature:

In Russian:


1. Ivanets N.N., Tulpin V.V., Chirko V.V., Kinkulkina M.A. Psychiatry and narcology. Textbook for medical university students. GEOTAR-Media 496 pages 2012.
2. Mendelevich V.D. Psychiatric propaedeutics. 5th ed., reprint. and additional. publishing house GEOTAR-Media. – 2014 - 576 p .
3. Tsygankov B.D., Ovsyannikov S.A. Psychiatry. I.M. Sechenov MMA State Educational Institution, 2016.
4. Tsygankov B.D., Yevtushenko V.Ya., Registration and maintenance of a medical history in a psychiatric hospital.-2013.

In Kazakh:

1. Zharikov N. M., Ursova L. G., Hritinin D. F., Sarsembaev K. T. Psychiatry (Textbook).2010-524 P.
2. Ilesheva R. G. Medical Psychology.- Almaty, LLP "Evero", 2009, 228p.

Internet resource:

1. www.medscape.com
2. www.clinical.corruption.com
3. www.oxfordmedicine.com
4. www.uptodate.com

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5. www.research.nhgri.nih.gov

List of equipment and/or software of the course

The integrated module " Fundamentals of neurology and psychiatry " does not require equipment and/or software.



EVALUATION SHEETS

1. Evaluation criteria of oral examination

1. Date of classes « ____ » _____ 20__ y
2. The theme of the lesson _____
3. Name of student _____
4. Faculty _____ Course _____ Group _____

№	Evaluation criterion	Level			
		excellent	acceptably	requires corrections	unacceptably
1.	Level of understanding of the topic	20	15	10	5
2.	Compliance of the presented material questions raised.	20	7,5	5,0	2,5
3.	Ability to think logically.	20	15	10	5
4.	The answer contains all the necessary theoretical facts.	10	7,5	5,0	2,5
5.	Illustration of the response with correctly selected examples.	10	7,5	5,0	2,5
6.	Proficiency in professional terminology.	10	7,5	5,0	2,5
7.	Ability to draw reasonable conclusions.	10	7,5	5,0	2,5
8.	Culture of speech.	10	7,5	5,0	2,5
	total	100	75	50	25

5. Maximally score – 100

6. Total points _____

7. Signature of teacher _____

Assessment sheet of basic practical skills in the discipline " fundamentals of neurology including children's»

The completion of each skill is described in steps, each of which is evaluated in such a way that the total score is 100.0 points. Thus, the student who completed all the steps gets the maximum digital equivalent for the correct, complete completion of the skill - 100.0 points, which corresponds to the letter a rating according to the letter-point system..

- 1 Date of classes « ____ » _____ 20__ y
- 2 The theme of the lesson _____
- 3 Name of student _____
- 4 Faculty _____ Course _____ Group _____

Number of steps	Criteria for evaluating steps	Fully proficient in this skill	The skill is incomplete	Doesn't have the skills
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1-10	According to the algorithm of practical skills	10 points	5 points	0 points
1-20	According to the algorithm of practical skills	5 points	2,5 points	0 points
	Total: 100 points			

5. Maximally score – 100

6. Total points _____

7. Signature of teacher _____

Criteria for evaluating communication skills

1 Date of classes « ____ » _____ 20 ____

2 The theme of the lesson _____

3 Name of student _____

4 Faculty _____ Course _____ Group _____

Уровень					
№	Evaluation criterion	20 points Perfectly	17 points Acceptably	15 points Requires correction	0 points
1	Introduction (establishing contact with the patient and his relatives)	He introduces himself, calls the patient by name and patronymic.	He introduces himself	Makes 1 out of 3: introduces himself, calls the patient by name and patronymic or shake hands (if possible).	he doesn't introduce himself
		15 points	11 points	8 points	0 points
2	Tone (manner of behavior).	Shows genuine interest. Tone chooses in accordance with the mood of the patient	Shows interest and respect for the patient.	Neutral behavior or at times clumsy or insecure.	Shows neutral behavior or at times clumsy or uncertain.
		20 points	18 points	16 points	0 points
3	The clarity in formulating the question,	Formulates and asks very clear questions.	Formulates and specifies a sufficiently clear and precise questions.	Sometimes he asks vague questions.	Formulates and asks fuzzy questions. The patient finds it difficult to understand what is being asked.
		15 points	13 points	9 points	0 points
4	Attention and care	Looks attentive. Quickly responds to verbal and	Looks attentive and caring	Attention sometimes shifts asks questions that were	Doesn't look really attentive or listening, interrupts



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		nonverbal signals.		previously answered(does not apologize).	without apology or explanation.
		15 points	13 points	9 points	0 points
5	The pace and sequence of the conversation	Makes sure of understanding or summarizes briefly. The sequence of switching from one topic to another.	The normal pace of the conversation. The sequence of switching from one topic to another.	Acceptable pace of conversation; but jumps from topic to topic.	Questions follow quickly; the student jumps from topic to topic.
		15 points	13 points	8 points	0 points
6	Use of professional vocabulary in the course of conversation with the patient.	Avoids the use of professional vocabulary or explains in detail the meaning of professional terms	Avoids the use of professional vocabulary or explains the meaning of professional terms.	Sometimes uses professional vocabulary without further explanation.	Often uses professional vocabulary without further explanation.
	Total	95	85	65	0

5. Maximally score – 100

6. Total points _____

7. Signature of teacher _____

**EVALUATION of DIAGNOSTIC and TREATMENT ALGORITHMS in the discipline
 "fundamentals of neurology, including children's»**

1. Date of classes «___» _____ 20__ y
2. The theme of the lesson _____
3. Name of student _____
4. Faculty _____ Course _____ Group _____

№	Criteria	0 points	10 points	15 points	20 points	25 points
1.	Content and consistency of the algorithm.	the algorithm is made correctly	most of these algorithm are not reflected accurately	the algorithm data is not reflected sufficiently and inconsistently	There is some error in the construction of the algorithm	the algorithm is composed of consistent and meaningful
2.	Disclosure of the topic.	there is no proper reflection of the topic on all issues	most of the issues are not covered accurately enough.	The topic is not disclosed, the questions raised are not sufficiently	The topic is not fully disclosed, there are some inaccuracies in the reflection of	The topic is revealed, all questions are reflected from modern positions

				covered.	questions.	
3.	using tables and diagrams when creating algorithms.	there are no illustrations.	the illustrations are uninformative and of poor quality	the illustrations are not informative enough.	illustrations are informative, but not meaningful	illustrations are informative and of high quality
4.	availability of the main sources covering the current state of the issue in the list of references	there is no list of references	the list is limited to educational literature	the list includes sources that do not reflect the current state of the issue	an incomplete list of sources that reflect the current state of the issue	full list of sources that reflect the current state of the issue (literature of the last 3 years)

5. Maximally score – 100

6. Total points _____

7. Signature of teacher _____

Evaluation of the presentation in multimedia format

1. Name of student _____
2. Faculty _____ Course _____ Group _____
3. Topic of Independent work of the student _____
4. The date when the student's independent work was submitted « ____ » _____ 20__ y

№	Evaluation criterion	15 excellent	12 Above the average	10 acceptably	8 Requires correction	6 unacceptabl y
1	Fits the theme Authenticity of information					
2	Presentability of the material					
3	Consistency, logic, structure					
4	Creative approach					
5	Clear and accessible					
6	The topic is fully disclosed					
	Control question					
	Subtotal					

5. Maximally score – 100

6. Total points _____

7. Signature of teacher _____



Evaluation of test results (current, border control)

1. Date of classes « ____ » _____ 20__ y
2. The theme of the lesson _____
3. Name of student _____
4. Faculty _____ Course _____ Group _____

Number of correct answers (Number of tasks in the test form 20)	Point	Rating according to the traditional system
19-20	95-100	Perfectly
17-18	90-94	
15-16	85-89	Good
13-14	80-84	
11-12	75-79	
9-10	70-74	Satisfactorily
7-8	65-69	
5-6	60-64	
3-4	55-59	
1-2	50-54	
0	45	Unsatisfactorily

5. Maximally score – 100

6. Total points _____

7. Signature of teacher _____

Evaluation checklist for the final stage I control (CbD) in the discipline «fundamentals of neurology, including children's »

Full name of the examinee _____

Specialty _____

Group _____

Date of the exam _____

Task № _____

Criteria	Time	15 points	10 points	5 points	0 points
Practical manipulations	each manipulation is given a certain amount of time, as suggested below.	Performing manipulations is consistent and correct, taking into account communication skills.	Performing manipulations independently, but with errors in technique and sequence, not fully observed communication skills.	Performing manipulations with errors and inconsistencies. Communication skills are not met.	Task failed
	1 minute				
	1 minute				
	1 minute				



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Criteria	Time	15 points	10 points	5 points	0 points
	1 minute				
	1 minute				
Subtotal	5 minute				

Assessment of the problem: 25 points – the answer is complete; 20 points-only the syndrome is named; 15-did not specify a topical diagnosis; 10 points-answered only 1 question.

Examiner's full name and signature _____

The student agrees with the assessment _____

**Evaluation checklist for the final stage I control (CbD)
on the discipline «fundamentals of psychiatry, including children's»**

Discipline: «fundamentals of psychiatry and narcology, including children's »

Student's full Name: _____

Course: 5

Group: _____

Date: _____

	fundamentals of psychiatry, including child psychiatry in the work of a GP
Clinical case №	
Evaluation criterion:	
To identify the psychopathological symptoms – 30p.	
Formulate a syndromal diagnosis and nosological- 30 p.	
Tactics of providing medical care and justification for prescribing psychotropic drugs – 40 p.	
Final rating	
Full name of the examiner	
Signature	

I am familiar with the assessment of the final control of the 1 stage _____
(student's signature)

Head teacher's signature _____

Signature of the head of the Department _____