MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION, MINISTRY OF SCIENCE, HIGHER EDUCATION AND INNOVATION OF THE KYRGYZ REPUBLIC

Kyrgyz-Russian Slavic University named after the first President of the Russian Federation B.N. Yeltsin

Endorsed by
Dean of the faculty
Abilova S.S.
23.10. 2025

Neurology, Medical Genetics, Neurosurgery

Abstract of the Discipline (Module)

Assigned to the Department of **Neurology, Neurosurgery and Medical Genetics**

Curriculum	310501_23_3 ldin.r1x 560001 - Kyrgyz Republic General Medicine (for international students)
Qualification	**Medical Doctor**
Form of study	**Full-time**
The program was compiled:	Candidate of Medical Sciences, Associate Professor, Head of the Department of Neurology, Neurosurgery and Medical Genetics of KRSU, Musabekova Tynar Obosbekovna_____;

Distribution of discipline hours by semester

Term (<Course>.<Semester on the course>)	5 (3.1)		6 (3.2)		Total	
Weeks	18		18			
Type of classes	UP	rp	UP	rp	UP	rp
Lectures	32	32	16	16	48	48
Practical applications	48	48	32	32	80	80
Contact work during the theoretical	0,3	0,3			0,3	0,3
training period Contact work during			0,5	0,5	0,5	0,5
the exam session	4	4	3	3	7	7
Including int.	80	80	48	48	128	128
Total aud. Contact	80,3	80,3	48,5	48,5	128,8	128,8
work Yourself.	39,7	39,7	12	12	51,7	51,7
work Hours per control Total			29,5	29,5	29,5	29,5
	120	120	90	90	210	210

1. COURSE OUTLINE OBJECTIVES	
1.1	Teaching students in the neurological examination and detection of symptoms of nervous system disorders, the ability to combine symptoms into syndromes and find out topical diagnosis;
1.2	obtaining knowledge about the etiology, pathogenesis, clinic, diagnosis, treatment, prevention of main Students' diseases of the nervous system;
1.3	Formation in students of clinical neurological reasoning, the ability to diagnose the most common neurological diseases independently, to treat urgent neurological conditions and prevent the diseases of the nervous system;
1.4	Creation of a certain stock of theoretical knowledge and practical skills for students in neurology, which are necessary for the doctor in his work with patients with impaired functions of the nervous system.

2. PLACE OF THE COURSE IN THE EDUCATIONAL PROGRAM	
EducationalProgramUnits:	B1.B
2.1	**Students' PreliminaryTrainingRequirements:**
2.1.1	Pathological Anatomy
2.1.2	General Surgery
2.1.3	Propaedeutics of Mental Disorders
2.1.4	Epidemiology
2.1.5	Propaedeutics of Internal Diseases
2.1.6	Pharmacology
2.1.7	Biochemistry
2.1.8	Microbiology, Virology
2.1.9	Normal Physiology
2.1.10	Histology, embryology, Cytology
2.1.11	Biology
2.1.12	Latin language
2.1.13	Pathophysiology, Clinical Pathophysiology
2.2	**Course Units and Practical Sessions imposing the prior Proficiency**
2.2.1	Obstetrics and Gynecology
2.2.2	Occupational Diseases
2.2.3	Psychiatry, Medical Psychology
2.2.4	Urology
2.2.5	Endocrinology
2.2.6	Hospital Therapy

2.2.7	Hospital Surgery
2.2.8	Infectious Diseases
2.2.9	Clinical Pharmacology
2.2.10	Clinical Biochemistry
2.2.11	Otorhinolaryngology
2.2.12	Ophthalmology
2.2.13	Pediatrics
2.2.14	Traumatology, Orthopedics
2.2.15	Gerontology
2.2.16	Oncology, Radiation Therapy
2.2.17	Polyclinic Therapy
2.2.18	Anesthesiology, Intensive care
2.2.19	Medical Rehabilitation
2.2.20	Forensic Medicine

3. STUDENTS' COMPETENCIES RESULTING FROM THE COURCE UNIT (MODULE)	
Competency-5: readiness to collect and analyze patient complaints, data of his medical history, examination results, laboratory, instrumental, pathologic-anatomical and other studies in order to recognize the state or establish the presence or absence of the disease.	
Knowledge:	
Level 1	1. Collection of complaints and anamnesis from patients with neurological diseases. 2. Method of neurological examination. 3. The main clinical symptoms and syndromes of frequent neurological diseases. 4. Additional methods for diagnosis of commonly occurring neurological diseases.
Level 2	1. Risk factors for neurological diseases in the adult population. 2. Etiopathogenesis, clinical picture and diagnosis of frequent neurological diseases.
Level 3	1. Topical diagnosis of lesions of the nervous system. 2. Indications and contraindications for additional research methods.
Skills:	
Level 1	1. To collect complaints, history of disease of neurological patients. 2. To make a model of bloodline for families with hereditary diseases of the nervous system. 3. To examine neurological status.

Level 2	1. To determine neurological syndromes in neurological diseases. 2. To determine indications and contraindications for the choice of additional methods of research.
Level 3	1. To determine a topical diagnosis. 2. To conduct a comprehensive medical examination to confirm the neurological diagnosis.
Expertise:	
Level 1	1. Skills of collecting patient complaints and data of his medical history. 2. Medical ethics and deontology. 3. Method of neurological examination. 4. Skills to appoint necessary laboratory and instrumental examination methods for the diagnosis of common neurological diseases.
Level 2	1. Skills of formulation of topical diagnosis. 2. Skills of interpretation of the main laboratory and x-ray examination methods.
Level 3	1. Skills of registration of the history of disease of the neurological patient. 2. Skills of justification of the preliminary neurological diagnosis.
Competency-6: ability to determine the patient's main pathological conditions, symptoms, syndromes of diseases, nosological forms in accordance with the International Statistical Classification of Diseases and healthrelated Problems, X revision.	
Knowledge:	
Level 1	Neurological symptoms, syndromes of diseases, basic nosological forms in accordance with ICD.
Level 2	The algorithm of formulation of topical and clinical diagnosis.
Level 3	Additional research methods in diseases of the nervous system.
Skills:	
Level 1	To distinguish the neurologic symptoms and syndromes in the main neurological diseases.
Level 2	To reveal the nosological form of the main neurological diseases.
Level 3	To justify the main neurological diseases.
Expertise:	
Level 1	Skills of formation of neurological syndromes, nosological forms in accordance with ICD.
Level 2	Skills of differential diagnosis of main neurological diseases.
Level 3	Skills of interpretation of results of additional methods of examination at the main neurological diseases.
Competency-8: ability to determine the tactics of management of patients with different nosological forms.	
Knowledge:	
Level 1	Tactics of management of neurological patients with the main diseases.

Level 2	Features of treatment of the main neurological diseases.
Level 3	Treatment, prevention and rehabilitation of neurological patients, assistance in emergency situations.
Skills:	
Level 1	To substantiate the principles of treatment of patients with the main neurological diseases.
Level 2	To determine the main types and methods of treatment of patients with neurological pathology.
Level 3	To define preventive actions and rehabilitation at neurological diseases.
Expertise:	
Level 1	Principles of treatment of the main neurological diseases.
Level 2	Principles of treatment, prevention and rehabilitation of neurological patients.
Level 3	Skills to assist patients with neurological pathology of different age groups.
Competency-11: readiness to participate in emergency medical care in conditions requiring urgent medical intervention.	
Knowledge:	
Level 1	Types of emergency care in neurology.
Level 2	Principles of assistance at emergencies in neurology.
Level 3	Peculiarities of treatment of emergency conditions in neurology.
Skills:	
Level 1	To determine the tactics of emergency care in neurology.
Level 2	To use the algorithm of emergency measures in neurology.
Level 3	To determine the treatment of patients with urgent conditions in neurology.
Expertise:	
Level 1	Principles of emergency care in neurology.
Level 2	Algorithm of emergency care in neurology in different age groups.
Level 3	Skills of emergency care for patients with urgent neurological pathology.
Competency-16: readiness for educational activity on elimination of risk factors and formation of skills of a healthy way of life.	
Knowledge:	
Level 1	Types of prevention of the main neurological diseases.
Level 2	Methods and techniques for the prevention of the main neurological diseases.
Level 3	Complexes of preventive measures for major neurological diseases.
Skills:	
Level 1	To identify risk factors for major neurological diseases.

Level 2	To determine the necessary preventive measures for major neurological diseases.
Level 3	To make the individual plan of complex prevention of the main neurological diseases.
Expertise:	
Level 1	Ways to identify risk factors for major neurological diseases.
Level 2	Skills of definition of preventive actions at the main neurological diseases.
Level 3	Skills of stepwise preventive measures in the main neurological diseases.

Final Students' Competences

3.1	**Knowledge:**
3.1.1	Collection of complaints and anamnesis from patients with neurological diseases.
3.1.2	Method of neurological examination.
3.1.3	The main clinical symptoms and syndromes of frequent neurological diseases.
3.1.4	Additional methods for diagnosis of commonly occurring neurological diseases.
3.1.5	Risk factors for neurological diseases in the adult population.
3.1.6	Etiopathogenesis, clinical picture and diagnosis of frequent neurological diseases.
3.1.7	Topical diagnosis of lesions of the nervous system.
3.1.8	Indications and contraindications for additional research methods.
3.1.9	Neurological symptoms, syndromes of diseases, basic nosological forms in accordance with ICD.
3.1.10	The algorithm of formulation of topical and clinical diagnosis.
3.1.11	Additional research methods in diseases of the nervous system.
3.1.12	Tactics of management of neurological patients with the main diseases.
3.1.13	Features of treatment of the main neurological diseases.
3.1.14	Treatment, prevention and rehabilitation of neurological patients, assistance in emergency situations.
3.1.15	Types of emergency care in neurology.
3.1.16	Principles of assistance at emergencies in neurology.
3.1.17	Peculiarities of treatment of emergency conditions in neurology.
3.1.18	Types of prevention of the main neurological diseases.
3.1.19	Methods and techniques for the prevention of the main neurological diseases.
3.1.20	Complexes of preventive measures for major neurological diseases.
3.2	**Skills:**
3.2.1	To collect complaints, history of disease of neurological patients.
3.2.2	To make a model of bloodline for families with hereditary diseases of the nervous system.

3.2.3	To examine neurological status.
3.2.4	To determine neurological syndromes in neurological diseases.
3.2.5	To determine indications and contraindications for the choice of additional methods of research.
3.2.6	To determine a topical diagnosis.
3.2.7	To conduct a comprehensive medical examination to confirm the neurological diagnosis.
3.2.8	To distinguish the neurologic symptoms and syndromes in the main neurological diseases.
3.2.9	To reveal the nosological form of the main neurological diseases.
3.2.10	To justify the main neurological diseases.
3.2.11	To substantiate the principles of treatment of patients with the main neurological diseases.
3.2.12	To determine the main types and methods of treatment of patients with neurological pathology.
3.2.13	To define preventive actions and rehabilitation at neurological diseases.
3.2.14	To determine the tactics of emergency care in neurology.
3.2.15	To use the algorithm of emergency measures in neurology.
3.2.16	To determine the treatment of patients with urgent conditions in neurology.
3.2.17	To identify risk factors for major neurological diseases.
3.2.18	To determine the necessary preventive measures for major neurological diseases.
3.2.19	To make the individual plan of complex prevention of the main neurological diseases.
3.3	**Expertise:**
3.3.1	Skills of collecting patient complaints and data of his medical history.
3.3.2	Medical ethics and deontology.
3.3.3	Method of neurological examination.
3.3.4	Skills to appoint necessary laboratory and instrumental examination methods for the diagnosis of common neurological diseases.
3.3.5	Skills of formulation of topical diagnosis.
3.3.6	Skills of interpretation of the main laboratory and x-ray examination methods.
3.3.7	Skills of registration of the history of disease of the neurological patient.
3.3.8	Skills of justification of the preliminary neurological diagnosis.
3.3.9	Skills of formation of neurological syndromes, nosological forms in accordance with ICD.
3.3.10	Skills of differential diagnosis of main neurological diseases.
3.3.11	Skills of interpretation of results of additional methods of examination at the main neurological diseases.
3.3.12	Principles of treatment of the main neurological diseases.

3.3.13	Principles of treatment, prevention and rehabilitation of neurological patients.
3.3.14	Skills to assist patients with neurological pathology of different age groups.
3.3.15	Principles of emergency care in neurology.
3.3.16	Algorithm of emergency care in neurology in different age groups.
3.3.17	Skills of emergency care for patients with urgent neurological pathology.