Документ подписан простой электронной подписью
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Khanty-Mansiysk Autonomous Okrug-Ugra
"Surgut State University"

Approved by
Deputy Rector for Academic Affairs

_____ E. V. Konovalova

“__ ” _____ 20__, Record No.__

Neurology, Medical Genetics, Neurosurgery

Syllabus

Department **Cardiology**

Curriculum s310501-ЛечДелоИн-24-1.plx
31.05.01 Specialty: General Medicine

Qualification **General Practitioner**

Form of education **Full-time**

Total (in credits) **6**

Total academic hours 216
including:
Classes 128
Self-study 61
Control hours 27

Control:
Exam, 8th term

Course outline in terms

Academic year (Term)	**7 (4.1)**		**8 (4.2)**		Total	
Weeks	17 2/6		17 2/6			
Types of classes	УП	РП	УП	РП	УП	РП
Lectures	16	16	10	10	26	26
Practical classes	56	56	32	32	88	88
Interactive	6	6	6	6	12	12
Total	108	108	108	108	216	216
Contact work	72	72	42	42	114	114
Self-study	36	36	30	30	66	66
Control hours			36	36	36	36
Total	108	108	108	108	216	216

The Syllabus is compiled by

candidate of Medical Sciences, Associate Professor, Smertina L. P. _____

The Syllabus of the discipline

Neurology, medical genetics, neurosurgery

Developed in accordance with the Federal State Educational Standard:

Federal State Educational Standard of Higher Education in the specialty 31.05.01 General Medicine (order of the Ministry of Education and Science of Russia from 12.08.2020г. №988)

Based on the Curriculum:

31.05.01 General Medicine
Specialization: General Medicine
Approved by the Academic Council of Surgut State University, 17 June 2021, Record № 6

The Syllabus was approved by the Department of

Cardiology

26 April 2021, Record № 6

Head of the Department, Candidate of Medical Sciences, Associate Professor I. A. Urvantseva._____

Chairman of the Academic and Medical Council, Candidate of Medical Sciences, Associate Professor _____ Lopatskaya Zh. N.

21 May 2021, Record № 7

1. COURSE OBJECTIVES	
1.1	The **aim** of the course is mastering the main functions of the professional activity of a doctor, the formation and development of professional competence, the formation of professionally significant personal qualities in accordance with the requirements of the Federal State Educational Standard of Higher Education.

2. COURSE OVERVIEW	
Course code (in Curriculum):	Б1.О.04.28
2.1	**Assumed background:**
2.1.1	Biology
2.1.2	Hygiene
2.1.3	Pharmacology
2.1.4	Internal Diseases Propaedeutics
2.1.5	Microbiology, Virology
2.1.6	Biochemistry
2.1.7	Hominal Physiology
2.1.8	Human Anatomy
2.1.9	Histology, Embryology, Cytology
2.1.10	General Surgery
2.1.11	Pathologic Syndromes in Clinical Medicine
2.1.12	Clinical Cytology and Biochemistry
2.1.13	Immunology and Allergology
2.1.14	Pathologic Anatomy
2.1.15	Pathophysiology
2.1.16	Clinical Pathologic Anatomy
2.1.17	Molecular Biology
2.1.18	Human Genetics
2.1.19	Clinical Pathologic Anatomy
2.1.20	Clinical Pathophysiology
2.1.21	Topographic Anatomy, Operative Surgery
2.2	**Post-requisite courses and practice:**
2.2.1	Clinical Pharmacology
2.2.2	Medical Rehabilitation
2.2.3	Traumatology and Orthopaedics
2.2.4	Pathophysiological bases of emergency conditions in the clinic of internal diseases
2.2.5	Anaesthesiology, Resuscitation, Intensive Care

3. COMPETENCES UPON COMPLETION OF THE COURSE (MODULE)

PC-1.1: Demonstrates knowledge in etiology, pathogenesis, diagnostic criteria (clinical - subjective, physical, laboratory, instrumental, identifies the patient's common pathological conditions, symptoms, disease syndromes and diagnoses nosological forms according to the International Statistical Classification of Diseases and Related Health Problems, X - XI revisions)
PC-1.2: Carries out diagnostics, evaluates the prognosis (short-, medium- and long-term course) of the disease, identifies acute complications and complications of chronic diseases
PC-3.1: Examines the patient (handle the patient's complaints, anamnesis, physical data based on the examination results, determines the necessary examination plan, evaluates the parameters of laboratory, instrumental, pathological and anatomical and other methods in order to diagnose diseases, assesses the prognosis (short-, medium- , long-term) of its course and outcomes
PC-3.2: Makes an initial and clinical diagnosis in accordance with the International Statistical Classification of Diseases and Health Problems X - XI revisions and current clinical classifications
PC-3.3: Carries out early and differential diagnostics of diseases
PC-3.4: Provides routing and management of patients based on the current legislation (standards, procedures for the provision of medical care, Clinical guidelines)
PC-5.1: Demonstrates knowledge of the mechanisms and methods applied in pharmacotherapy, medical nutrition, medical devices and methods of non-drug treatment, palliative and personalized medical care
PC-5.2: Provides various categories of patients with outpatient treatment, treatment in hospitals and high-tech medical care (HMC) centers applying drugs, medical devices and medical nutrition, according to clinical pattern and current procedures, standards of medical care, Clinical guidelines (treatment protocols)
PC-5.4 Demonstrates knowledge of side effects of drugs, methods and duration of their use; assesses the effectiveness and safety of pharmacotherapy, medical nutrition and non-drug treatment, medical nutrition of palliative care.
PC-8.2: Keeps medical records, including the electronic format

By the end of the course students must:

3.1	**know:**
3.1.1	the specificities of the discipline and the tasks of the discipline Neurology, Medical Genetics, Neurosurgery;
3.1.2	the role, place and connection with other sciences in the system of biological and medical disciplines;
3.1.3	the main historical stages of the development of Neurology, Medical Genetics, Neurosurgery;
3.1.4	the prospects of development and new directions in the study of Neurology, Medical Genetics, Neurosurgery;
3.1.5	basic concepts used in Neurology, Medical Genetics, Neurosurgery
3.1.6	etiology, pathogenesis and preventive measures of the most common diseases; modern classification of diseases
3.1.7	the clinical picture, features of the course and possible complications of the most common diseases that occur in a typical form in different age groups;
3.1.8	diagnostic methods, diagnostic capabilities of methods of direct examination of a patient with a neurological profile, modern methods of clinical, laboratory instrumental examination of patients (including endoscopic, X-ray methods, ultrasound diagnostics, clinical picture, features of the course and possible complications of the most common diseases occurring in a typical form in different age groups;
3.1.9	diagnostic methods, diagnostic capabilities of methods of direct examination of a patient with a neurological profile, modern methods of clinical, laboratory instrumental examination of patients (including endoscopic, X-ray methods, ultrasound diagnostics
3.2	**be able to:**
3.2.1	use the acquired knowledge of Neurology, Medical Genetics, Neurosurgery in the study of other biomedical and medical disciplines;
3.2.2	correctly interpret and apply the basic concepts of Neurology, Medical Genetics, Neurosurgery in the study of biomedical and medical literature and in collaboration with medical specialists
3.2.3	determine the status of the patient: (assessment of consciousness, meningeal symptoms, general brain, cranial innervation, motor system, extrapyramidal, etc.) collect anamnesis, conduct a survey of the patient and/or his relatives, conduct a physical examination of the patient
3.2.4	determine the patient's status: collect anamnesis, conduct a survey of the patient and / or his relatives, conduct a physical examination of the patient (assessment of consciousness, meningeal symptoms, general cerebral, cranial innervation, motor system, extrapyramidal, etc.)
3.2.6	determine the patient's status: collect anamnesis, conduct a survey of the patient and / or his relatives, conduct a routine neurological examination of the patient (assessment of consciousness, meningeal symptoms, general brain, cranial innervation, motor system, etc.);
3.2.7	assess the patient's condition to make a decision about the need for medical care;
3.2.8	provide first aid in emergency situations, first aid to victims in the affected areas in emergency situations

4. STRUCTURE AND CONTENTS OF THE COURSE (MODULE)

Class code	Topics /Class type	Term / Academic year	Academic hours	Competences	Literature	Interactive	Notes
	Section 1. General section						
1.1	Introduction to neurology. CSF. The liquor system. /Lecture/	7	2	PC-1.1; PC-1.2 PC-3.1; PC-3.2; PC-3.3; PC-3.4 PC-5.1; PC-5.2; PC-5.4 PC-8.2	L1.1 L1.2 L1.3 L2.1 L2.2 L2.3 L2.4 L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.2	Disruptions of consciousness /Lecture/	7	2	PC-1.1; PC-1.2 PC-3.1; PC-3.2; PC-3.3; PC-3.4 PC-5.1; PC-5.2; PC-5.4 PC-8.2	L1.1 L1.2 L1.3 L2.1 L2.2 L2.3 L2.4 L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	

1.3	Acute disorders of cerebral circulation. Chronic cerebrovascular pathology./Lecture/	7	2	PC-1.1; PC-1.2 PC-3.1; PC-3.2; PC-3.3; PC-3.4 PC-5.1; PC-5.2; PC-5.4 PC-8.2	L1.1 L1.2 L1.3 L2.1 L2.2 L2.3 L2.4 L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.4	Acute infections of the nervous system. /Lecture/	7	2	PC-1.1; PC-1.2 PC-3.1; PC-3.2; PC-3.3; PC-3.4 PC-5.1; PC-5.2; PC-5.4 PC-8.2	L1.1 L1.2 L1.3 L2.1 L2.2 L2.3 L2.4 L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.5	Introduction to medical genetics. Heredity and pathology /Lecture/	7	2	PC-1.1; PC-1.2 PC-3.1; PC-3.2; PC-3.3; PC-3.4 PC-5.1; PC-5.2; PC-5.4 PC-8.2	L1.1 L1.2 L1.3 L2.1 L2.2 L2.3 L2.4 L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.6	Semiotics and principles of clinical diagnostics of hereditary diseases. General principles of treatment of hereditary diseases. /Lecture/	7	2	PC-1.1; PC-1.2 PC-3.1; PC-3.2; PC-3.3; PC-3.4 PC-5.1; PC-5.2; PC-5.4 PC-8.2	L1.1 L1.2 L1.3 L2.1 L2.2 L2.3 L2.4 L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.7	Chromosomal and gene diseases. /Lecture/	7	2	PC-1.1; PC-1.2 PC-3.1; PC-3.2; PC-3.3; PC-3.4 PC-5.1; PC-5.2; PC-5.4 PC-8.2	L1.1 L1.2 L1.3 L2.1 L2.2 L2.3 L2.4 L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.8	Organization of medical and genetic services./Lecture/	7	2	PC-1.1; PC-1.2 PC-3.1; PC-3.2; PC-3.3; PC-3.4 PC-5.1; PC-5.2; PC-5.4 PC-8.2	L1.1 L1.2 L1.3 L2.1 L2.2 L2.3 L2.4 L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	

1.9	Motor system, central and peripheral paralysis /Practical classes/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4;	L1.1 L1.2 L1.3 L2.1 L2.2 L2.3 L2.4 L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.10	Sensory system, surface and deep sensitivity /Practical classes/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4;	L1.1 L1.2 L1.3 L2.1 L2.2 L2.3 L2.4 L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	2	
1.11	Extrapyramidal nervous system, cerebellum /Practical classes/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2	L1.1 L1.2 L1.3 L2.1 L2.2 L2.3 L2.4 L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	2	
1.12	Cranial nerves. I-VI pairs of cranial nerves /Practical classes/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	2	
1.13	Cranial nerves. I-VI pairs of cranial nerves /Practical classes/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	2	
1.14	CSF. Cerebrospinal fluid syndromes /Practical classes/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	2	

1.15	Higher cortical functions./Practical classes/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.16	The autonomic nervous system. Vegetative dysfunction./Practical classes/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.17	Neuromuscular diseases./Practical classes/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.18	Mononeuropathy, polyneuropathy. /Practical classes/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.19	Introduction to medical genetics. Heredity and pathology /Practical classes/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.20	Semiotics and principles of clinical diagnostics of hereditary diseases. General principles of treatment of hereditary diseases. /Practical classes/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	

1.21	Chromosomal and gene diseases./Practical classes/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.22	Organization of medical and genetic services./Practical classes/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	Control work
1.23	Motor system, central and peripheral paralysis /Self-study/	7	2	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.24	Sensory system, surface and deep sensitivity /Self-study/	7	2	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	2	
1.25	Extrapyramidal nervous system, cerebellum /Self-study/	7	2	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	2	
1.26	Cranial nerves. I-XII pairs of cranial nerves /Self-study/	7	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	2	

1.27	CSF. Cerebrospinal fluid syndromes /Self-study/	7	2	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.28	Higher cortical functions./Self-study/	7	2	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.29	The autonomic nervous system. Vegetative dysfunction./Self-study/	7	2	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.30	Neuromuscular diseases./Self-study/	7	2	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.31	Mononeuropathy, polyneuropathy./Self-study/	7	2	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.32	Demyelinating diseases of the nervous system./Lecture/	8	2	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	

1.33	Osteochondrosis of the spine. Neurological complications./Lecture/	8	2	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.34	Craniocerebral and spinal injuries. Brain and spinal cord tumors /Lecture/	8	2	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.35	Epilepsy./Lecture/	8	2	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.36	Neuromuscular diseases./Lecture/	8	2	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.37	Acute disorders of cerebral circulation /Practical classes/	8	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.38	Chronic cerebrovascular insufficiency./Practical classes/	8	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	2	

1.39	Acute neuroinfections – meningitis, encephalitis, myelitis./Practical classes/	8	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	2	
1.40	Chronic neuroinfections./Practical classes/	8	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	2	
1.41	Demyelinating diseases of the nervous system. Multiple sclerosis. Acute multiple encephalomyelitis /Practical classes/	8	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.42	Epilepsy /Practical classes/	8	4	PC-1.1; PC-1.2; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.43	Osteochondrosis of the vertebral column. Vertebrogenic neurological syndromes./Practical classes/	8	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.44	Craniocerebral and spinal cord injury Brain and spinal cord tumors /Practical classes/	8	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	Control work

1.45	Acute disorders of cerebral circulation /Self-study/	8	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.46	Chronic cerebrovascular insufficiency. /Self-study/	8	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.47	Acute neuroinfections – meningitis, encephalitis, myelitis./Self-study/	8	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.48	Chronic neuroinfections. /Self-study/	8	2	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.49	Demyelinating diseases of the nervous system. Multiple sclerosis. Acute multiple encephalomyelitis /Self-study/	8	4	PC-1.1; PC-3.1; PC-3.2; PC-3.3; PC-3.4; PC-5.1; PC-5.2; PC-5.4; PC-8.2;	L1.1 L1.2 L1.3L2.1 L2.2 L2.3 L2.4L3.1 L3.2 L3.3 L3.4 L3.5 E1 E2 E3	0	
1.50	/ Exam/	8	36			0	Exam

5. ASSESSMENT TOOLS
5.1. Tests and tasks
Presented by a single document
5.2. Topics for written papers
Presented by a single document

6. COURSE (MODULE) RESOURCES

6.1. Recommended literature

6.1.1. Core

	Authors, compilers	Title	Publisher, year	Quantity
L1.1	Shchipkov V. P., Krivosheina G. N.	General and Medical Genetics: A textbook for medical university students	Moscow: Akademiya, 2003	90
L1.2	Gusev E. I., Konovalov A. N., Skvortsova V. I.	Neurology and neurosurgery. Vol. 1	Moscow: GEOTAR-Media, 2015, Electronic resource	1
L1.3	Gusev E. I., Konovalov A. N., Skvortsova V. I.	Neurology and neurosurgery. Vol. 2	Moscow: GEOTAR-Media, 2015, Electronic resource	1

6.1.2. Supplementary

	Authors, compilers	Title	Publisher, year	Number of
L2.1	Martynov Yu. S.	Neurology: textbook	Moscow: Publishing House of the Peoples ' Friendship University of Russia, 2006	8
L2.2	Smertina L. P., Bogdanov A. N.	Chronic neuroinfections: educational specializations	Surgut: Publishing Center of Surgut State University, 2015	59
L2.3	Mozhaev S. V., Skoromets A. A., Skoromets T. A..	Neurosurgery: Vulture of the Ministry of Education And Science of Russia.	Moscow: GEOTAR-Media, 2009, Electronic resource	1
L2.4	Bochkov N. P., Asanov A. Yu., Zhuchenko N. A., Subbotina T. I., Filippova M. G., Filippova T. V.	Medical genetics	Moscow: GEOTAR-Media, 2014, Electronic resource	1

6.1.3. Methodological manuals

	Authors, compilers	Title	Publisher, year	Number of
L3.1	Barashnev Yu. I.	Perinatal neurology	Moscow: Triad-X, 2005	2
L3.2	Skoromets A. A., Skoromets A. P., Skoromets T. A.	Topical diagnostics of diseases of the nervous system: a guide for doctors	Saint Petersburg: Politechnika, 2007	2
L3.3	Newssbaum R. L., McInnes R. R., Willard H. F.	Medical genetics: 397 visual illustrations, diagrams and tables, 43 clinical cases	Moscow: GEOTAR-Media, 2010	3
L 3.4	Smertina L. P.	Private neurology: an educational and methodological guide	Surgut: Publishing Center of Surgut State University, 2010	35

	Authors, compilers	Title	Publisher, year	Number of
L 3.5	Triumfov A.V.	Topical diagnostics of diseases of the nervous system: a brief guide	Electronic resource	1

6.2. Internet resources

E1	Electronic Library of the Russian National Library: the fund of dissertations ' abstracts
E2	Scientific electronic Library "CyberLeninka"
E3	VINITI

6.3.1 Software	
6.3.1.1	Microsoft Office
6.3.2 Information referral systems	
6.3.2.1	http://www.garant.ru
6.3.2.2	http://www.consultant.ru

7. MATERIAL AND TECHNICAL SUPPORT OF THE DISCIPLINE (MODULE)	
7.1	The premises for conducting lectures and practical classes are located on the basis of the Surgut District Clinical Hospital and are equipped with the necessary specialized educational furniture and educational medical equipment and tools: a medical examination couch , a 3-section polycarbonate screen, a tonometer, a phonendoscope, a thermometer, medical scales, an anti-shock kit, a set and laying for emergency preventive and therapeutic measures, neurological hammers.