

№ЛД-16-ИИ

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

APPROVED
BY the minutes of the meeting
Central Coordinating Educational
and Methodological Council
«23» May 2023 г. №5

**EVALUATION MATERIALS for the discipline
"Neurology, neurosurgery, partially implemented in English"**

the main professional educational program of higher education – specialty
program in the specialty 31.05.01 General Medicine, partially implemented in English
approved on May 24, 2023

For 4th year partially English-taught students

Reviewed and approved at the meeting of the department

From 19.05.2023 г. (protocol № 9)

Head of the Department D.M.S Professor Bukanovskaya T.I.



Vladikavkaz, 2023

STRUCTURE OF EVALUATION MATERIALS

1. Title page
2. Structure of evaluation materials
3. Reviews of evaluation materials
4. Passport of evaluation materials
5. Set of evaluation materials:
 - questions for the module
 - questions for the exam
 - a bank of situational tasks and practical tasks
 - standards of test tasks
 - exam tickets

**ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ
ОБРАЗОВАТЕЛЬНОЕ УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ
«СЕВЕРО-ОСЕТИНСКАЯ-ГОСУДАРСТВЕННАЯ МЕДИЦИНСКАЯ
АКАДЕМИЯ» МИНИСТЕРСТВА ЗДРАВООХРАНЕНИЯ РОССИЙСКОЙ
ФЕДЕРАЦИИ**

**РЕЦЕНЗИЯ
на оценочные материалы**

по дисциплине «Неврология, нейрохирургия»

для студентов 4 курса по специальности 31.05.01 Лечебное дело

Оценочные материалы составлены на кафедре **Психиатрии с Неврологией, Нейрохирургией и медицинской реабилитацией**

на основании рабочей программы учебной дисциплины **«Неврология, нейрохирургия»**

утвержденной 24.05.2023 и соответствуют требованиям ФГОС ВО № 988 по специальности 31.05.01 Лечебное дело, утвержденный Министерством образования и науки РФ «12» августа 2020 г.

Оценочные материалы включают в себя:

- вопросы к модулю,
- вопросы к экзамену,
- банк ситуационных задач и практических заданий
- эталоны тестовых заданий (с титульным листом и оглавлением),
- экзаменационные билеты

Банк ситуационных задач и практических заданий включают в себя сами задания и шаблоны ответов. Все задания соответствуют рабочей программе дисциплины «Неврология, нейрохирургия» формируемым при ее изучении компетенциям, и охватывают все её разделы. Банк содержит ответы ко всем ситуационным задачам и практическим заданиям. Эталоны тестовых заданий включают в себя следующие элементы: тестовые задания, шаблоны ответов. Все задания соответствуют рабочей программе дисциплины **«Неврология, нейрохирургия»** формируемым при ее изучении компетенциям, и охватывают все её разделы. Сложность заданий варьируется. Количество заданий по каждому разделу дисциплины достаточно для проведения контроля знаний и исключает многократное повторение одного и того же вопроса в различных вариантах. Банк содержит ответы ко всем тестовым заданиям и задачам.

Количество экзаменационных билетов достаточно для проведения экзамена и исключает неоднократное использование одного и того же билета во время экзамена в одной академической группе в один день. Экзаменационные билеты выполнены на бланках единого образца по стандартной форме, на бумаге одного цвета и качества. Экзаменационный билет включает в себя **3 вопроса**. Формулировки вопросов совпадают с формулировками перечня вопросов, выносимых на экзамен. Содержание вопросов одного билета относится к различным разделам программы, позволяющее более полно охватить материал

учебной дисциплины.

Дополнительно к теоретическим вопросам предлагается банк ситуационных задач, практических заданий. Ситуационные задачи и практические задания дают возможность объективно оценить уровень усвоения студентом теоретического материала при текущем, промежуточном, итоговом контроле. Сложность вопросов в экзаменационных билетах распределена равномерно.

Замечаний к рецензируемым оценочным материалам нет.

В целом, оценочные материалы по дисциплине **«Неврология, нейрохирургия»** способствуют качественной оценке уровня владения обучающимися общекультурными и профессиональными компетенциями.

Рецензируемые оценочные материалы по дисциплине **«Неврология, нейрохирургия»** могут быть рекомендованы к использованию для текущего контроля успеваемости и промежуточной аттестации на лечебном факультете у студентов 4 курса.

Рецензент: Председатель ЦУМК д.м.н. заведующий кафедрой внутренних болезней № 1 Тотров И.Н.



**ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ
ОБРАЗОВАТЕЛЬНОЕ УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ
«СЕВЕРО-ОСЕТИНСКАЯ-ГОСУДАРСТВЕННАЯ МЕДИЦИНСКАЯ
АКАДЕМИЯ» МИНИСТЕРСТВА ЗДРАВООХРАНЕНИЯ РОССИЙСКОЙ
ФЕДЕРАЦИИ**

**РЕЦЕНЗИЯ
на оценочные материалы**

по дисциплине «Неврология, нейрохирургия»

для студентов 4 курса по специальности 31.05.01 Лечебное дело

Оценочные материалы составлены на кафедре **Психиатрии с Неврологией, Нейрохирургией и медицинской реабилитацией**

на основании рабочей программы учебной дисциплины **«Неврология, нейрохирургия»**

утвержденной 24.05.2023 и соответствуют требованиям ФГОС ВО № 988 по специальности 31.05.01 Лечебное дело, утвержденный Министерством образования и науки РФ «12» августа 2020 г.

Оценочные материалы включают в себя:

- вопросы к модулю,
- вопросы к экзамену,
- банк ситуационных задач и практических заданий
- эталоны тестовых заданий (с титульным листом и оглавлением),
- экзаменационные билеты

Банк ситуационных задач и практических заданий включают в себя сами задания и шаблоны ответов. Все задания соответствуют рабочей программе дисциплины «Неврология, нейрохирургия» формируемым при ее изучении компетенциям, и охватывают все её разделы. Банк содержит ответы ко всем ситуационным задачам и практическим заданиям. Эталоны тестовых заданий включают в себя следующие элементы: тестовые задания, шаблоны ответов. Все задания соответствуют рабочей программе дисциплины **«Неврология, нейрохирургия»** формируемым при ее изучении компетенциям, и охватывают все её разделы. Сложность заданий варьируется. Количество заданий по каждому разделу дисциплины достаточно для проведения контроля знаний и исключает многократное повторение одного и того же вопроса в различных вариантах. Банк содержит ответы ко всем тестовым заданиям и задачам.

Количество экзаменационных билетов достаточно для проведения экзамена и исключает неоднократное использование одного и того же билета во время экзамена в одной академической группе в один день. Экзаменационные билеты выполнены на бланках единого образца по стандартной форме, на бумаге одного цвета и качества. Экзаменационный билет включает в себя **3 вопроса**. Формулировки вопросов совпадают с формулировками перечня вопросов, выносимых на экзамен. Содержание вопросов одного билета относится к различным разделам программы, позволяющее более полно охватить материал

учебной дисциплины.

Дополнительно к теоретическим вопросам предлагается банк ситуационных задач, практических заданий. Ситуационные задачи и практические задания дают возможность объективно оценить уровень усвоения студентом теоретического материала при текущем, промежуточном, итоговом контроле. Сложность вопросов в экзаменационных билетах распределена равномерно.



Замечаний к рецензируемым оценочным материалам нет.

В целом, оценочные материалы по дисциплине **«Неврология, нейрохирургия»** способствуют качественной оценке уровня владения обучающимися общекультурными и профессиональными компетенциями.

Рецензируемые оценочные материалы по дисциплине **«Неврология, нейрохирургия»** могут быть рекомендованы к использованию для текущего контроля успеваемости и промежуточной аттестации на лечебном факультете у студентов 4 курса.

Рецензент: Главный внештатный невролог МЗ РСО-Алания, д.м.н., профессор
Дзугаева Ф.К.

Подпись Дзугаевой Ф.К. удостоверяю,
Начальник отдела кадров ФГБУ «СКММЦ» Минздрава России (г. Беслан)



**Passport of evaluation materials on the discipline "Neurology,
neurosurgery"**

№п/п	Name of the controlled section (topic) of the discipline / module	Code of the formed competence (stage)	Name of the evaluation material
1	2	3	4
Type of control	current, intermediate		
1.	Subject and history of clinical neurology. The principles of the structure and function of the nervous system. Research methods of the nervous system. Construction of a topical diagnosis in neurology.	UC-1, UC-6 OPC-1, OPC-4, OPC-5 OPC-10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets
2.	Voluntary movements and their disorders. Symptoms of the lesion of the cortical-muscular pathway at different levels. Central and peripheral paresis.	UC-1, UC-6 OPC-1, OPC-4, OPC-5 OPC-10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets
3.	Extrapyramidal system and symptoms of its defeat..	UC-1, UC-6 OPC-1, OPC-4, OPC-5 OPC-10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets
4.	Coordination of movements and its disorders.	UC-1, UC-6 OPC-1, OPC-4, OPC-5 OPC-10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets
5.	Sensitivity and its disorders. Central and peripheral mechanisms of pain.	UC-1, UC-6 OPC-1, OPC-4, OPC-5 OPC-10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets
6.	Symptoms and syndromes of damage to the spinal cord, its roots and peripheral nerves.	UC-1, UC-6 OPC-1, OPC-4, OPC-5 OPC-10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets
7.	Symptoms and syndromes of	UC-1, UC-6	test control, questions for

	damage to the brain stem and cranial nerves.	OPC-1,OPC-4, OPC -5 OPC -10	the module, bank of situational tasks, practical tasks, exam tickets
8.	Autonomic (autonomic) nervous system and autonomic disorders. Neurogenic dysfunctions of the pelvic organs	UC-1, UC-6 OPC-1,OPC-4, OPC -5 OPC -10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets
9.	Crains of the brain, cerebrospinal fluid. Meningeal and hypertensive syndromes. Hydrocephalus.	UC-1, UC-6 OPC-1,OPC-4, OPC -5 OPC -10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets
10.	Disturbances of consciousness, wakefulness and sleep. Higher brain functions and their disorders: aphasia, apraxia, agnosia, amnesia, dementia. Syndromes of damage to individual lobes of the brain and hemispheres.	UC-1, UC-6 OPC-1,OPC-4, OPC -5 OPC -10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets
11.	Acute disorders of the cerebral circulation Dyscirculatory encephalopathy. Vascular dementia.	UC-1, UC-6 OPC-1,OPC-4, OPC -5 OPC -10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets
12.	Vertebrogenic neurological disorders and other musculoskeletal diseases.	UC-1, UC-6 OPC-1,OPC-4, OPC -5 OPC -10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets
13.	Movement disorders (parkinsonism, muscular dystonia, chorea, tics). Multiple sclerosis.	UC-1, UC-6 OPC-1,OPC-4, OPC -5 OPC -10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets
14.	Infectious diseases of the nervous system.	UC-1, UC-6 OPC-1,OPC-4, OPC -5 OPC -10	test control, questions for the module, bank of situational tasks, practical tasks,

			exam tickets
15.	Tumors of the nervous system. Tumors of the brain and spinal cord, peripheral nerves.	UC-1, UC-6 OPC-1, OPC-4, OPC-5 OPC-10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets
16.	Cranial and spinal injuries.	UC-1, UC-6 OPC-1, OPC-4, OPC-5 OPC-10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets
17.	Paroxysmal disorders of consciousness. Epilepsy, coma, fainting.	UC-1, UC-6 OPC-1, OPC-4, OPC-5 OPC-10	test control, questions for the module, bank of situational tasks, practical tasks, exam tickets

Department of Neurology

Modular Questions for Topical Diagnosis of Neurological Diseases

1. Classification of types of sensitivity. Sensitive disorders.
2. Classification of surface types of sensitivity and the course of their conductors
3. Classification of deep types of sensitivity and the course of their conductors.
4. Types of sensitivity disorders (peripheral, radicular, segmental, conductive, central)
5. Cortico-muscular (motor, pyramidal) pathway, its features.
6. Syndrome of damage to the occipital lobes of the brain
7. Damage to the pyramidal pathway and peripheral motor neuron (central and peripheral paresis, paralysis).
8. Syndrome of transverse spinal cord injury at the C1 level. Clinic
9. Syndrome of transverse spinal cord injury at the level of the D10 segment.
10. Cauda equina syndrome
11. Syndrome of transverse spinal cord injury at the D3 level
12. Brown-Séquard syndrome at the C5 level on the right
13. Meningeal syndrome
14. Syndrome of defeat of the precentral gyrus on the right. Clinic
15. Syndrome of defeat of the right hemisphere of the cerebellum
16. Syndrome of defeat of the frontal lobes of the brain
17. Syndrome of damage to the inner part of the optic nerve chiasm
18. Syndrome of defeat of the postcentral gyrus on the left, clinic
19. Trigeminal nerve. Anatomy, physiology
20. Syndrome of damage to the outer part of the optic nerve chiasm
21. Syndrome of lesion of the left temporal lobe
22. Deep reflexes, reflex arcs
23. Facial nerve, anatomy
24. Syndrome of defeat of the inner capsule on the left. Clinic
25. Lesion of the left parietal lobe of the brain
26. Lateral and anterior spinothalamic pathways. Pathways and their pathology
27. Paths of deep sensitivity, paths, their pathology
28. Oculomotor nerves, anatomy, pathology
29. Vagus nerve, anatomy, pathology.
30. General cerebral syndrome and its symptoms
31. Pseudobulbar syndrome, clinic
32. Damage of the optic nerve, clinic
33. Gnosis disorders
34. Alternating midbrain syndromes
35. Bulbar syndrome, clinic
36. Speech disorders: Dysarthria, aphasia
37. Agrafia, alexia, clinic

Private Neurology Questions

1. Differentiated treatment of ischemic strokes
2. Differentiated treatment of hemorrhagic strokes
3. General principles of stroke treatment. Undifferentiated therapy
4. The clinical picture of TIA
5. Clinical picture of hemorrhagic and ischemic strokes, prevailing syndromes.
6. Instrumental diagnostics of ONMK
7. Etiology of ischemic and hemorrhagic strokes
8. Spinal stroke, clinical picture, diagnostics.
9. Epilepsy, etiology, pathogenesis, clinical manifestations.
10. International classification of epilepsy
11. Methods of approach to the treatment of epilepsy.
12. Treatment of epilepsy, help with status epilepticus
13. Meningitis, clinic, leading syndromes, diagnostics.
14. Clinical manifestations of meningitis, leading syndromes.
15. Etiology of meningitis and encephalitis
16. Classification of meningitis and encephalitis
17. Peripheral neuropathies, classification, etiology.
18. Acute inflammatory demyelinating polyneuropathy, etiology, clinic, leading syndromes.
19. Dorsopathies, protrusion and herniated discs, causes, clinical manifestations, diagnosis.
20. Methods for the treatment of dorsopathies.
21. Radial nerve neuropathy, clinic
22. Neuropathy of the ulnar nerve, clinic
23. Median nerve neuropathy, clinic
24. Neuropathy of the femoral nerve
25. Sciatic nerve neuropathy
26. Neuropathy of the facial nerve, clinic
27. Trigeminal neuralgia, clinical picture, diagnosis, treatment

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4

Neurology, neurosurgery, partially implemented in English

Situational task number 1

A 60-year-old woman rapidly develops weakness in her left limbs. On examination: there are no movements in the left limbs, the tone is increased in the flexors of the arm and extensors of the leg, tendon reflexes are animated, Babinsky's symptom is detected.

1. Neurological syndrome?
2. Localization of the lesion?
3. Additional research methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4

Neurology, neurosurgery, partially implemented in English

Situational task number 2

A 70-year-old man suddenly developed weakness in his left arm. Examination in the left hand reveals paresis up to 3 points in the proximal section and up to plegia in the hand, increased tone in the flexors of the hand and fingers, tendon reflexes are revived, Hoffman's symptom is determined.

1. Neurological syndrome?
2. Localization of the lesion?
3. Additional research methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

**Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Situational task number 3

A 20-year-old man suffered a traumatic brain injury at the age of 10, after which weakness developed in his left limbs. Examination of the left limbs reveals hypotrophy and size reduction (compared to the right limbs), a decrease in strength in the proximal sections up to 3 points, in the distal - up to 1 point, a significant increase in tone in the arm flexors and leg extensors, painful muscle information, revival of tendon reflexes, clonus of the foot and hand, symptoms of Babinsky and Rossolimo.

1. Neurological syndrome?
2. Type of change in muscle tone?
3. Localization of the lesion?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

**Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Situational task number 4

A 35-year-old woman complains of trembling of the head and fingers, which are aggravated by excitement. When alcohol is taken, the trembling weakens. Trembling of the hands and head is noted from a young age and in the mother of the patient. Objectively: at rest, trembling in the fingers is minimal, but it intensifies under certain

static loads, especially when stretching the arms forward and spreading the fingers; there is minimal head tremor; muscle tone is not changed, coordinating tests in the limbs are performed without gross violations; there are no other changes in the neurological status.

1. Neurological syndrome?
2. Suspected illness?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

**Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Situational task number 5

A 65-year-old man is concerned about trembling and stiffness in the extremities, more in the left. He considers himself ill for 5 years, when trembling and stiffness appeared in his left hand. The disease gradually progresses, stiffness in the left leg joined, and then trembling and stiffness in the right hand. Objectively: hypomimia, monotony of speech, in the hands (more in the left) trembling like "counting coins", increased muscle tone with the phenomenon of "gear wheel", slowing down the pace of movements; in the left leg - increased tone by the type of rigidity and hypokinesia; reflexes of medium liveliness, symmetrical, no pathological reflexes.

1. Neurological syndrome?
2. Localization of the lesion?
3. Suspected illness?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine **Course 4**
Neurology, neurosurgery, partially implemented in English

Situational task number 6

In a 45-year-old woman, involuntary rapid movements in her face and extremities have developed and have been growing for two years. The patient's mother had similar disorders at the age of 40, they progressed, were accompanied by impaired walking, dementia and led to death at the age of 55. When examining the patient, rapid involuntary movements in the face, trunk and limbs are determined, they make it difficult to walk and move; the tone of the muscles of the extremities is little changed, the reflexes are of medium liveliness, symmetrical, there are no pathological reflexes.

1. Neurological syndrome?
2. Suspected illness?
3. Prognosis of the disease?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**
Neurology, neurosurgery, partially implemented in English

Situational task number 7

A 45-year-old man has been complaining of unsteady gait and clumsiness in his left limbs for the last year. Objectively: there is sufficient strength in the left limbs, muscle hypotension, decreased reflexes, intentional tremor during the toe-nose and heel-knee tests, adiadochokinesis; in the Romberg test and when walking - staggering with a deviation to the left.

1. Neurological syndrome?
2. Localization of the lesion?
3. Additional research methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English

Situational task number 8

A 60-year-old woman suffers from pain, numbness and tingling in the fingers of her left hand. Objectively: there is a decrease in all types of sensitivity on the back surface of the thumb, index and middle fingers of the left hand, pain on percussion of the left carpal joint radiating to the index finger, there are no other disorders.

1. Neurological syndrome?
2. Localization of the lesion?
3. Additional research methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English

Situational task number 9

A 45-year-old woman notes weakness in the right leg and numbness in the left leg and left half of the body up to the level of the costal arch. The examination revealed a decrease in strength in the right leg up to 3 points with an increase in knee and Achilles reflexes, Babinsky's symptom on the right, weakening of pain and temperature sensitivity in the left leg and left half of the body to the level of Th8.

1. Neurological syndromes?
2. Localization of the lesion?
3. Additional research methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

**Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Situational task number 10

A 25-year-old man has been experiencing increasing weakness and stiffness in his legs for 5 years. According to him, a similar disease was observed from his youth in his father, who now, at the age of 50, walks with great difficulty due to weakness and stiffness in his legs. Examination of a young man revealed weakness in both legs up to 4 points and a significant increase in muscle tone, mainly in the extensors of the legs, with the "jackknife" phenomenon, revitalization of the knee and Achilles reflexes, bilateral Babinsky's symptom.

1. Neurological syndrome?
2. Type of increase in muscle tone?
3. Localization of the lesion?
4. Additional research methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

**Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Situational task number 11

A 65-year-old woman suddenly developed a speech disorder ("porridge in the mouth") and weakness in her right limbs. Examination a month after the onset of the disease revealed deviation of the tongue during protrusion, atrophy of the left half of the tongue,

a decrease in range of motion in the right limbs up to 3 points, revival of tendon reflexes and Babinsky's symptom on the right.

1. Neurological syndromes?
2. Localization of the lesion?
3. Additional research methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

**Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Situational task number 12

A 30-year-old man has asymmetry of the face: the frontal and nasolabial folds are smoothed on the left, the corner of the mouth is lowered, it is not possible to perform mimic tests, when trying to close the eyes, the left eyeball goes up, the protein shell of the eye is visible, lacrimation from the left eye, the left palpebral fissure is wider right, left eye rarely blinks, lost taste in the anterior two-thirds of the tongue on the left.

1. What is the patient's paresis of the left half of the face: central or peripheral?
2. What are Bell's symptom and lagophthalmos?
3. Localization of the lesion?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

**Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Situational task number 13

A 50-year-old man has convergent strabismus, double vision when looking to the right; movement of the right eyeball outward is impossible, the frontal and nasolabial folds on the right are smoothed out, the movements of all mimic muscles on the right are lost; in the left limbs, a decrease in the volume and strength of movements, a revival of tendon reflexes, a symptom of Babinsky are revealed.

1. Neurological syndromes?
2. Localization of the lesion?
3. Additional research methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

**Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Situational task number 14

A 65-year-old woman complains of decreased sense of smell. The examination revealed no neurological disorders, except for a significant decrease in the sense of smell; computed tomography of the head also did not reveal any changes.

1. Neurological syndrome?
2. Localization of the lesion?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Φ Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine **Course 4**
Neurology, neurosurgery, partially implemented in English

Situational task number 15

A 69-year-old patient has been suffering from arterial hypertension and coronary heart disease for 20 years. One morning she complained to her relatives that she was not feeling well, but could not specify her complaints. Questions were answered inappropriately and not always clear. They turned for medical help. On examination: the patient is lucid, confused, trying to explain, but the patient's speech is incomprehensible, as it "scares" similar-sounding syllables (for example, "year" and "cat", "ba" and "pa"). The patient is unable to express her thoughts in writing. The request to repeat a phrase or individual words after the doctor meets the patient with bewilderment. The patient also does not fulfill other requests and instructions of doctors or does it incorrectly. Mild (up to 4 points) weakness in the right limbs, increased reflexes on the right, loss of all types of sensitivity on the right side of the body are revealed.

1. Neurological syndromes?
2. Localization of the lesion?
3. Additional examination methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine **Course 4**
Neurology, neurosurgery, partially implemented in English

Situational task number 16

A 70-year-old man was taken to the hospital due to sudden weakness in his left limbs. During the examination: the patient is oriented in his own personality, place and time, he answers questions in monosyllables, quickly exhausts himself and falls asleep. There are no meningeal symptoms, weakness of the lower part of the mimic muscles on the left, deviation of the tongue when protruding to the left, absence of movements in the left limbs, revival of tendon reflexes on the left, pathological Babinsky reflex on the left.

1. Neurological syndromes?
2. Degree and character of disturbance of consciousness?
3. Topical diagnosis?
4. Additional examination methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

**Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Situational task number 17

A 62-year-old man with diabetes mellitus developed and grew general weakness during the day, confusion appeared. According to his wife, fluctuations in blood sugar levels have been noted in the last few days, and the patient independently, without consulting a doctor, increased the dose of insulin taken. On examination: the skin is pale and moist, blood pressure 140/90 mm Hg. Art., pulse rate 90 beats per minute. The patient follows the simplest verbal instructions, but is disoriented in place and time, answers questions in monosyllables, quickly becomes exhausted, there are no meningeal symptoms or other neurological disorders. In the study of glucose in the blood, its level was 1.8 mmol/l.

1. The nature and degree of impaired consciousness?
2. The reason for the disturbance of consciousness?
3. Medical tactics?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Situational task number 18

A 70-year-old man was taken to the hospital due to sudden weakness in his left limbs. During the examination: the patient is oriented in his own personality, place and time, he answers questions in monosyllables, quickly exhausts himself and falls asleep. There are no meningeal symptoms, weakness of the lower part of the mimic muscles on the left, deviation of the tongue when protruding to the left, absence of movements in the left limbs, revival of tendon reflexes on the left, pathological Babinsky reflex on the left.

1. Neurological syndromes?
2. Degree and character of disturbance of consciousness?
3. Topical diagnosis?
4. Additional examination methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine **Course 4**
Neurology, neurosurgery, partially implemented in English

Situational task number 19

A 55-year-old man was taken to the hospital in the morning due to a sudden weakness in his left limbs. From the anamnesis it is known that over the past 10 years, there has been an increase in blood pressure up to 180/110 mm Hg from time to time. on examination: clear consciousness, blood pressure 190/115 mm Hg, pulse 80 beats per minute, correct rhythm. In the neurological status: no meningeal symptoms, weakness of the lower part of the mimic muscles on the left, decreased strength in the left limbs up to 3 points, revival of tendon reflexes, Babinsky's symptom on the left.

1. Neurological symptoms?

2. Topical diagnosis?
3. Preliminary clinical diagnosis?
4. Additional research methods?
5. Treatment?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

**Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Situational task number 20

A 60-year-old woman was taken to the hospital due to intense pain and weakness in her left limbs, which arose while cleaning the apartment. For a long time observed by a cardiologist with a diagnosis of "Hypertension". On examination: confused state of consciousness, flushing of the face, blood pressure 210/120 mm Hg, pulse 90 beats per minute, correct rhythm. Neurological status: rigidity of the neck muscles, prolapse of the left visual fields, paresis of the lower part of the mimic muscles on the left, absence of movements in the left limbs, revitalization of tendon reflexes and Babinsky's symptom on the left, decrease in all types of sensitivity on the left half of the face, trunk and left limbs. In the future, the patient's condition worsened, drowsiness and divergent strabismus appeared.

1. Neurological syndromes?
2. Estimated location of the lesion?
3. Preliminary clinical diagnosis?
4. How to explain the worsening of the patient's condition?
5. Most informative follow-up study?
6. Treatment if the preliminary diagnosis is confirmed?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"**

of the Ministry of Health of the Russian Federation

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English

Situational task number 21

A 30-year-old young woman had an acute severe headache, nausea, vomiting, and after a few minutes her consciousness was disturbed. Emergency doctors revealed stupor, blood pressure 180/100 mm Hg, pulse 80 beats per minute, correct rhythm, stiffness of the neck muscles, symptoms of Kernig, Brudzinsky. Paresis and other neurological disorders were not detected.

1. Neurological syndromes?
2. preliminary clinical diagnosis?
3. Proposed cause (etiology) of the disease?
4. Additional examinations?
5. medical tactics?

Head of the Department D.M.S Professor Bukanovskaya T.I.

Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English

Situational task number 22

A 25-year-old man complains of increasing headaches and fever up to 37.5°C during the last two days. Before the illness, he had a cold. On examination: consciousness is clear, oriented in place and time, stiffness of the neck muscles, Kernig's symptom on both sides; there are no other neurological disorders. The patient underwent a lumbar

puncture for diagnostic purposes. In the study of cerebrospinal fluid, an increase in the number of lymphocytes up to 150 cells per μl , protein 0.65 g/l, glucose level is normal.

1. Neurological status?
2. Localization of the lesion?
3. Suspected illness?
4. Additional examination methods?
5. Treatment?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

**Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Situational task number 23

For two months, a 53-year-old man has been troubled by headaches of a bursting nature, which intensify in the morning. During the last week in the morning at the height of headaches, vomiting occurs, weakness in the right limbs has appeared and is growing. On examination: a decrease in muscle strength in the right limbs up to 4 points, revitalization of tendon reflexes and Babinsky's symptom on the right. Echoencephalography revealed a displacement of the median structures brain from left to right by 7 mm.

1. Neurological syndromes?
2. Localization of the lesion?
3. Preliminary diagnosis?
4. Additional research?
5. Medical tactics?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English

Situational task number 24

A 65-year-old man is troubled by trembling and stiffness in the extremities, more in the left ones. He considers himself ill for 5 years, when trembling and stiffness appeared in his left hand. The disease gradually progresses, stiffness in the left leg joined, and then trembling and stiffness in the right hand. Objectively: hypomimia, monotony of speech, in the hands (more in the left) trembling like "counting coins", increased muscle tone with the phenomenon of "gear wheel", slowing down the pace of movements; in the left leg - increased tone by the type of rigidity and hypokinesia; reflexes of medium liveliness, symmetrical, no pathological reflexes.

1. Neurological syndrome?
2. Localization of the lesion?
3. Suspected illness?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English

Situational task number 25

A 45-year-old man has been troubled by an involuntary turn of the head to the right for six months, aggravated by excitement, walking and weakening at rest. During the examination, an involuntary turn of the head to the right is noted, tonic tension of the sternocleidomastoid muscle on the left, while sitting, the patient holds the lower jaw with the index finger of the right hand, which reduces the degree of turn of the head;

reflexes of average liveliness, no pathological reflexes, coordination and sensitivity are normal.

1. Neurological syndrome?

2. Suspected illness?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

**Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Situational task number 26

In a 45-year-old woman, involuntary rapid movements in her face and extremities have developed and have been growing for two years. The patient's mother had similar disorders at the age of 40, they progressed, were accompanied by impaired walking, dementia and led to death at the age of 55. When examining the patient, rapid involuntary movements in the face, trunk and limbs are determined, they make it difficult to walk and move; the tone of the muscles of the extremities is little changed, the reflexes are of medium liveliness, symmetrical, there are no pathological reflexes.

1. Neurological syndrome?

2. Suspected illness?

3. Prognosis of the disease?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English

Situational task number 27

A 45-year-old man has been complaining of unsteady gait and clumsiness in his left limbs for the last year. Objectively: there is sufficient strength in the left limbs, muscle hypotension, decreased reflexes, intentional tremor during the toe-nose and heel-knee tests, dysdiadochokinesis; in the Romberg test and when walking - staggering with a deviation to the left.

1. Neurological syndrome?
2. Localization of the lesion?
3. Additional research methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English

Situational task number 28

During the last year, a 25-year-old woman has been troubled by slurred speech, weakness in her legs, unsteady gait, and imperative urge to urinate. Objectively: vertical nystagmus, chanted speech, decrease in strength in the legs up to 4 points with increased muscle tone and revitalization of reflexes, bilateral Babinsky's symptom; intentional tremor in the left extremities in the toe-to-nose and heel-to-knee tests, dysdiadochokinesis on the left, no other neurological disorders.

1. Neurological syndromes?
2. Localization of the lesion?
3. Additional research methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

**Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Situational task number 29

A 67-year-old patient consults at the insistence of relatives. According to them, the patient has changed recently: he has become less sociable, lost interest in work and family, most of the time he does nothing, is untidy in clothes, has forgotten how to open the door lock on his own and use household appliances. He does not present active complaints. On examination: we are easily distracted, from time to time side associations pop up that the patient does not control, cannot reproduce a series of sequential movements following the doctor: instead of the "fist-rib-palm" series, the patient stereotypically knocks his fist on the table; there are no other neurological disorders.

1. Neurological syndromes?
2. Localization of the lesion?
3. Additional research methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

**Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Situational task number 30

A 35-year-old woman's vision deteriorates over the course of a year. During the examination, there was a loss of the left visual field of the left eye and the right visual

field of the right eye, visual acuity was not reduced, there were no other neurological disorders.

1. Neurological syndrome?
2. Localization of the lesion?
3. Additional research methods?

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation
Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Practice #1

1. Собрать анамнез у больного с заболеванием нервной системы
2. Оценить двигательные нарушения у больного
3. Оценить результаты анализа ликвора

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation
Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Practice #2

1. Collect anamnesis in a patient with a disease of the nervous system

2. Explore speech
3. Read radiographs of the skull and spine

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation
Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Practice #3

Практическое задание № 3

1. Explore surface sensitivity
2. Explore praxis
3. Explore dermatographism

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation
Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Practice #4

1. Assess the patient's movement disorders
2. Examine the oculomotor nerves
3. Evaluate the data of ECHO - encephaloscopia

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4

Neurology, neurosurgery, partially implemented in English

Practice #5

1. Examine the facial nerve
2. Examine muscle tone
3. Evaluate the results of the CSF analysis

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4

Neurology, neurosurgery, partially implemented in English

Practice #6

1. Examine cerebellar function
2. Research Meningeal Syndrome
3. Read head CT scan

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4

Neurology, neurosurgery, partially implemented in English

Practice #7

1. Assess the severity of cerebral symptoms
2. Explore praxis
3. Read the CT scan of the spine

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation
Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Practice #8

1. Explore the function of IX, X and XII pairs of cranial nerves
2. Examine muscle tone
3. Read a CT scan of the spinal cord

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation
Faculty of Medicine Course 4
Neurology, neurosurgery, partially implemented in English**

Practice #9

1. Examine the function of the auditory nerve
2. Explore deep sensitivity
3. Carry out liquorodynamic tests

Head of the Department D.M.S Professor Bukanovskaya T.I.

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine Course 4

Neurology, neurosurgery, partially implemented in English

Practice #10

1. Assess the condition of the sensitive area
2. Explore gnosis
3. Analyze angiograms

Head of the Department D.M.S Professor Bukanovskaya T.I.

№ЛД-16-ИИ

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

**Samples of test tasks
by discipline
«Neurology, neurosurgery, partially implemented in English»**

the main professional educational program of higher education – specialty
program in the specialty 31.05.01 General Medicine, partially implemented in English
approved on May 24, 2023

For 4th year partially English-taught students

Vladikavkaz, 2023

Table of contents

No.	Name of the controlled section (topic) of the discipline/module	Code of competence being formed	Number of tests (total)	Page no.
1	2	3	4	5
View control	Ongoing progress monitoring/interim assessment			
1.	Incoming control of the level of training of students	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	thirty	2-6
2.	Subject and history of clinical neurology. Principles of the structure and function of the nervous system. Methods for studying the nervous system. Construction of a topical diagnosis in neurology.	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	7-8
3.	Voluntary movements and their disorders. Symptoms of damage to the cortical-muscular tract at different levels. Central and peripheral paresis.	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	9-12
4.	Extrapyramidal system and symptoms of its damage.	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	13-17
5.	Coordination of movements and its disorders.	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	18-19
6.	Sensitivity and its disorders. Central and peripheral mechanisms of pain	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	20-22
7.	Symptoms and syndromes of damage to the spinal cord, its roots and peripheral nerves.	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	23-25
8.	Symptoms and syndromes of damage to the brain stem and cranial nerves.	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	26-27

9.	Autonomic (autonomic) nervous system and autonomic disorders. Neurogenic disorders	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	28-32
10.	Meninges, cerebrospinal fluid. Meningeal and hypertension syndromes. Hydrocephalus.	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	33-35
11.	Disturbances of consciousness, wakefulness and sleep. Higher brain functions and their disorders: aphasia, apraxia, agnosia, amnesia, dementia. Syndromes of damage to individual lobes of the brain and hemispheres.	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	36-38
12.	Acute disorders of cerebral circulation Discirculatory encephalopathy. Vascular dementia.	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	39-41
13.	Vertebrogenic neurological disorders and other musculoskeletal diseases.	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	42-43
14.	Movement disorders (parkinsonism, muscular dystonia, chorea, tics). Multiple sclerosis.	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	44
15.	Infectious diseases of the nervous system.	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	45-46
16.	Tumors of the nervous system. Tumors of the brain, spinal cord, and peripheral nerves.	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	47
17.	Cranial and spinal injuries.	UK- 1, UK -6, OPK-1, OPK-4 OPK- 5, OPK -10	10	48
18.	Paroxysmal disorders of	UK- 1, UK -6,	10	49-50

	consciousness. Epilepsy, coma, fainting.	OPK-1, OPK-4 OPK- 5, OPK - 10		
--	--	-------------------------------------	--	--

**Federal State Budgetary Educational Institution of Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 1

1. Domestic neurological schools: Moscow, Kazan, St. Petersburg (A.Ya. Kozhevnikov, A.S. Darkshevich, V.M. Bekhterev).
2. Classification of acute disorders of cerebral circulation. hemorrhagic stroke. Etiology, pathogenesis, clinic, diagnosis, treatment
3. Hereditary degenerative diseases with a primary lesion of the neuromuscular system. Myopathies.
4. Syndrome of transverse lesion of the spinal cord at the C3 level.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 2

1. Pavlov's doctrine of the localization of functions in the cerebral cortex. Localizationism . Equipotentialism .
2. Classification of acute disorders of cerebral circulation. Subarachnoid hemorrhage. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Primary infectious polyneuritis. Etiology, pathogenesis, clinic, diagnostics, treatment.

4. Syndrome of transverse lesion of the spinal cord at the level of D3.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 3

1. Paraclinical methods for studying the nervous system (study of cerebrospinal fluid, liquorodynamic samples, X-ray studies, electroencephalography, electromyography, echoencephalography, study of the electrical excitability of the neuromuscular apparatus, examination of the fundus)
2. Classification of acute disorders of cerebral circulation. Hemorrhage in the ventricles of the brain. Etiology, pathogenesis, clinic, diagnosis, treatment
3. Diphtheria polyneuritis. Pathogenesis, clinic, treatment.
4. Syndrome of transverse spinal cord injury at the D10 level

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 4

1. Olfactory nerve. Anatomy, physiology, pathology and research methods.
2. Neurorheumatism . The pathogenesis of rheumatic endovasculitis . Clinic, treatment.
3. Hereditary-degenerative diseases of the nervous system with a primary lesion of the pyramidal system. Strümpel 's disease .
4. Anatomy, physiology and pathology of the sciatic nerve.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 5

1. Hypoglossal nerve. Anatomy, physiology, pathology and research methods.
2. Classification of acute disorders of cerebral circulation. Embolism of cerebral vessels. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Demyelinating diseases of the CNS. Etiopathogenesis . Acute disseminated encephalomyelitis .
4. Brown-Sequard syndrome at the D3 level on the left.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 6

1. accessory nerve. Anatomy, physiology, pathology and research methods.
2. Classification of acute disorders of cerebral circulation. Thrombosis of cerebral vessels. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Demyelinating diseases of the CNS. Etiopathogenesis . Subacute and chronic leukoencephalitis .
4. Brown-Sequard syndrome at the D10 level on the right.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation
Faculty of Medicine **Course 4**
Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 7

1. Classification of types of sensitivity. Sensory disorders.
2. Transient ischemic attacks. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Hereditary-degenerative diseases of the nervous system. Classification. The main signs of hereditary diseases.
4. Syndrome of defeat of a cervical thickening.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation
Faculty of Medicine **Course 4**
Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 8

1. Cortico-muscular (motor) path, its features.
2. Spinal ischemic stroke in the basin of the large radicular artery of Adamkevich and the accessory radiculo-medullary artery of Desproges-Getteron .
3. Alcoholic polyneuritis. Clinic, treatment.
4. Syndrome of defeat of a lumbar thickening.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation
Faculty of Medicine **Course 4**
Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 9

1. Damage to the pyramidal tract and peripheral motor neuron (central and peripheral paresis, paralysis).
2. General principles of stroke treatment. Undifferentiated and differentiated therapy. Treatment of residual effects and consequences of strokes.
3. Arsenic and lead polyneuritis. Clinic, diagnosis, treatment.
4. Cauda equina syndrome.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 10

1. Disorders of genesis and praxis
2. Differentiated therapy of acute cerebrovascular accidents.
3. Hereditary-degenerative diseases of the nervous system with a primary lesion of the neuromuscular system. Secondary progressive muscular dystrophy.
4. Syndrome of damage to one leg of the brain.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 11

1. Surface reflexes, reflex arcs
2. Classification of acute disorders of cerebral circulation. Parenchymal hemorrhage. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Ganglionitis (shingles), etiology, clinic, treatment.

4. Brown-Sequard syndrome at the D3 level on the right.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 12

1. optic nerve. Anatomy, physiology, pathology and research methods.
2. Emergency and undifferentiated therapy of acute cerebrovascular accidents.
3. Hereditary degenerative diseases with a primary lesion of the extrapyramidal system. Hepatolenticular degeneration. Chorea of Huntington .
4. Dejerine-Klumpke lower brachial plexitis syndrome .

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 13

1. Oculomotor nerves (III , IV , VI). Anatomy, physiology, pathology and research methods.
2. Dyscirculatory encephalopathy. Etiology, pathogenesis, stages of development, treatment.
3. Hereditary-degenerative diseases with a primary lesion of the coordination system. Friedreich 's familial ataxia . Hereditary-cerebellar ataxia of Pierre-Marie.
4. Duchenne-Erb upper brachial plexitis syndrome .

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 14

1. Trigeminal nerve. Anatomy, physiology, pathology and research methods.
2. Vegetative-vascular dystonia . Etiology, pathogenesis, diagnosis, treatment.
3. Classification of closed craniocerebral injury. General characteristics of brain injuries. Physician tactics.
4. Syndrome of destruction of half of the pons .

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 15

1. Facial and intermediate nerve (XIII). Anatomy, physiology, pathology and research methods.
2. Neurorheumatism . The pathogenesis of rheumatic endovasculitis . Clinic, treatment.
3. Subdural and epidural hematomas of the brain. Clinic, diagnostics, doctor's tactics.
4. Syndrome of damage to half of the medulla oblongata.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 16

1. Auditory nerve. Anatomy, physiology, pathology and research methods.
2. Damage to the nervous system in diabetes mellitus. The pathogenesis of diabetic-cerebral angiopathy and neuroangiopathy . Clinic and treatment.
3. Myasthenia gravis - Erb-Goldflam disease . Features of etiology and pathogenesis, clinical picture, treatment.
4. Syndrome of defeat of the right red kernel.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 17

1. Glossopharyngeal (IX) and vagus (X) nerves. Anatomy, physiology, pathology and research methods.
2. Purulent cerebral epidemic meningitis. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Osteocondritis of the spine. Etiology, pathogenesis, classification of clinical syndromes.
4. Syndrome of damage to the right hemisphere of the cerebellum

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 18

1. Classification of deep types of sensitivity and the course of their conductors.
2. tuberculous meningitis. Pathogenesis, clinic, diagnostics, treatment.
3. Lateral amyotrophic sclerosis. Etiopathogenesis , clinic, treatment , outcome of the disease.
4. Syndrome of defeat of the left internal bag.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 19

1. Classification of surface types of sensitivity and the course of their conductors.
2. Acute serous meningitis (primary, secondary). Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Compression syndromes of cervical osteochondrosis of the spine. Clinic, diagnosis, treatment.
4. Syndrome of lesions of the central convolutions of the right hemisphere.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 20

1. Bulbar and pseudobulbar syndromes. Clinic.
2. Economo epidemic lethargic encephalitis . Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Reflex (vegetative) syndromes of cervical osteochondrosis of the spine. Clinic, diagnosis, treatment.
4. Syndrome of lesions of the frontal lobes of the brain.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 21

1. The cerebellum and its connections. Anatomy, physiology, pathology and research methods.
2. Influenza encephalitis and hemorrhagic encephalitis. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Compression syndromes of lumbosacral osteochondrosis of the spine. Clinic, diagnosis, treatment .
4. Syndrome of damage to the inner part of the optic chiasm.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 22

1. Extrapyrarnidal system (old and new). Damage syndromes (parkinsonism, chorea, torsion dystonia , athetosis).
2. Tick-borne encephalitis. Etiology, epidemiology, pathogenesis, clinic, diagnostics, treatment.
3. Reflex (vegetative) syndromes of lumbosacral osteochondrosis. Clinic, diagnosis, treatment.
4. Syndrome of damage to the outer part of the optic chiasm.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 23

1. Deep reflexes, reflex arcs.
2. Multiple sclerosis. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Hereditary-degenerative diseases with a primary lesion of the visual pathways.
Amaurotic idiocy (Tay-Sachs disease).
4. Claude-Bernard-Horner Syndrome

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the**

Ministry of Health of the Russian Federation

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 24

1. Speech Disorders: Dysarthria, aphasia, mutism .
2. Vaccine encephalitis. Clinic, treatment.
3. Tumors of the spinal cord. Classification, clinic, diagnosis and treatment of intramedullary tumor.
4. Anatomy, physiology and pathology of the femoral nerve.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 25

1. Classification of polyneuritis. General symptomatology of polyneuritis.
2. Infectious chorea. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Tumors of the pituitary gland. Clinic and diagnosis of eosinophilic , chromophobic and basophilic pituitary adenomas.
4. Syndrome of lesions of the left temporal lobe of the brain.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation
Faculty of Medicine **Course 4**
Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 26

1. Sympathetic and parasympathetic innervation of the eye. Syndrome of Claude Bernard-Horner.
2. Pachymeningitis (epiduritis) of the spinal cord. Classification, clinic of purulent and non-purulent epiduritis, diagnosis, treatment.
3. Classification of brain tumors. Cerebral , hypertensive , focal syndromes. Diagnostic methods and doctor's tactics.
4. Syndrome of lesions of the left parietal lobe of the brain.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation
Faculty of Medicine **Course 4**
Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 27

1. Bladder innervation and urination disorders.
2. Arachnoiditis of the spinal cord. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Subtentorial tumors of the brain (tumors of the posterior cranial fossa). Clinic, diagnosis and treatment of tumors of the cerebellopontine angle.
4. Syndrome of damage to the occipital lobes of the brain.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

Department of Psychiatry with Neurology, Neurosurgery and Medical Rehabilitation
Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 28

1. Anatomy, physiology and syndromes of lesions of the segmental and suprasegmental (hypothalamic) autonomic nervous system.
2. Acute infectious myelitis. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Classification of craniocerebral and spinal cord herbs m (open, closed, penetrating, non-penetrating).
4. Anatomy, physiology and pathology of the ulnar nerve.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 29

1. Meninges and cerebrospinal fluid. Anatomy, physiology and pathology. Meningeal syndrome, cerebrospinal fluid changes, cerebrospinal fluid tests).
2. Funicular myelosis .
3. brain abscesses. Etiology, pathogenesis, clinical stages of the course, diagnosis, treatment.
4. Anatomy, physiology and pathology of the median nerve.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 30

1. X-ray and radiopaque research methods in neurology and neurosurgery: survey and contrast myelo- , spondylo- , craniography, CT, MRI, positron emission tomography.
2. Chronic meningomyelitis . Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Classification of closed craniocerebral injury. Clinic and treatment of concussions of the brain.
4. Anatomy, physiology and pathology of the radial nerve ..

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 31

1. Paraclinical methods for studying the nervous system (study of cerebrospinal fluid, liquorodynamic tests, X-ray studies, electroencephalography, electromyography, echoencephalography , study of the electrical excitability of the neuromuscular apparatus, examination of the fundus).
2. Classification of acute disorders of cerebral circulation. Hemorrhage in the ventricles of the brain. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Hereditary-degenerative diseases of the nervous system with a primary lesion of the pyramidal system. Strümpel 's disease . Lateral amyotrophic sclerosis.
4. Syndrome of transverse lesion of the spinal cord at the level of D10.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 32

1. Olfactory nerve. Anatomy, physiology, pathology and research methods.
2. Classification of acute disorders of cerebral circulation. Subarachnoid hemorrhage. Etiology, pathogenesis, clinic, diagnosis, treatment
3. Acute inflammatory demyelinating polyradiculoneuropathy (Guillain-Barré syndrome).
4. Syndrome of transverse lesion of the spinal cord at the level of D3.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 33

1. accessory nerve. Anatomy, physiology, pathology and research methods.
2. Classification of acute disorders of cerebral circulation. Thrombosis of cerebral vessels. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Chronic inflammatory demyelinating polyradiculoneuropathy .
4. Brown-Sequard syndrome at the D10 level on the right.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 34

1. Hypoglossal nerve. Anatomy, physiology, pathology and research methods.
1. Spinal ischemic stroke in the basin of the great radicular artery of Adamkevich .
Etiology, pathogenesis, clinic, diagnostics, treatment.

2. Alcoholic polyneuropathy . Clinic, treatment.
3. Syndrome of defeat of a lumbar thickening.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 35

1. Cortico-muscular (motor) path, its features.
2. hemorrhagic stroke. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Hereditary-degenerative diseases with a primary lesion of the neuromuscular system. Myopathies.
4. Syndrome of transverse lesion of the spinal cord at the C3 level.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 36

1. Classification of types of sensitivity. Sensory disorders.
2. Classification of disorders of cerebral circulation. Dyscirculatory encephalopathy. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Hereditary-degenerative diseases with a primary lesion of the neuromuscular system. Secondary progressive muscular dystrophy.
4. Syndrome of damage to the left leg of the brain.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 37

1. Speech Disorders: Dysarthria, aphasia, mutism .
2. Hereditary-degenerative diseases of the nervous system. Classification. The main signs of hereditary diseases.
3. Transient ischemic attacks. Etiology, pathogenesis, clinic, diagnostics, treatment.
4. Syndrome of defeat of a cervical thickening.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 38

1. Disorders of gnosis and praxis .
2. General principles of stroke treatment. Undifferentiated and differentiated therapy.
3. Arsenic polyneuritis. Clinic, diagnosis, treatment.
4. Cauda equina syndrome.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

Federal State Budgetary Educational Institution

**higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 39

1. Trigeminal nerve. Anatomy, physiology, pathology and research methods.
2. Classification of acute disorders of cerebral circulation. Parenchymal hemorrhage. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Classification of closed craniocerebral injury. General characteristics of brain injuries. Physician tactics.
4. Brown-Sequard syndrome at the D3 level on the right

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 40

1. Oculomotor nerve. Anatomy, physiology, pathology and research methods.
2. tuberculous meningitis. Pathogenesis, clinic, diagnostics, treatment.
3. Subdural and epidural hematomas of the brain. Clinic, diagnostics, doctor's tactics.
4. Syndrome of damage to the left half of the medulla oblongata.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**
Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 41

1. Classification of deep types of sensitivity and the course of their conductors.
2. Neurorheumatism . The pathogenesis of rheumatic endovasculitis . Clinic, treatment.
3. Lateral amyotrophic sclerosis. Etiopathogenesis , clinic, treatment , outcome of the disease.
4. Syndrome of defeat of the left internal bag . (to the capsule).

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**
Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 42

1. facial nerve. Anatomy, physiology, pathology and research methods
2. Purulent cerebral epidemic meningitis. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Myasthenia gravis - Erb-Goldflam disease . Features of etiology and pathogenesis, clinical picture, treatment.
4. Syndrome of damage to the right hemisphere of the cerebellum

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine **Course 4**
Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 43

1. Glossopharyngeal (IX) and vagus (X) nerves. Anatomy, physiology, pathology and research methods.
2. Economo epidemic lethargic encephalitis . Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Osteocondritis of the spine. Etiology, pathogenesis, classification of clinical syndromes.
4. Syndrome of defeat of the right red kernel.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation
Faculty of Medicine Course 4
Discipline «Neurology, neurosurgery, partially implemented in English»**

Examination ticket No. 44

1. Bulbar and pseudobulbar syndromes. Clinic.
2. Acute serous meningitis (primary, secondary). Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Reflex (vegetative) syndromes of cervical osteochondrosis of the spine. Clinic, diagnosis, treatment.
4. Syndrome of lesions of the frontal lobes of the brain.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation
Faculty of Medicine Course 4
Discipline «Neurology, neurosurgery, partially implemented in English»**

Examination ticket No. 45

1. Extrapyramidal system (old and new). Damage syndromes (parkinsonism, chorea, torsion dystonia , athetosis).
2. Vaccine encephalitis. Clinic, treatment.
3. Tumors of the spinal cord. Classification, clinic, diagnosis and treatment of intramedullary tumor.
4. optic nerve. Anatomy, physiology, pathology and research methods.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 46

1. Bulbar and pseudobulbar syndromes. Clinic.
2. Tick-borne encephalitis. Etiology, epidemiology, pathogenesis, clinic, diagnostics, treatment.
3. Reflex (vegetative) syndromes of lumbosacral osteochondrosis. Clinic, diagnosis, treatment.
4. Syndrome of damage to the outer part of the optic chiasm.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 47

1. accessory nerve. Anatomy, physiology, pathology and research methods.
2. Classification of acute disorders of cerebral circulation. Embolic stroke. Etiology, pathogenesis, clinic, diagnostics, treatment.

3. Compression syndromes of cervical osteochondrosis of the spine. Radicular compression syndromes. Clinic, diagnosis, treatment.
4. Anatomy, physiology and pathology of the radial nerve.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 48

1. Types of sensitivity disorders (peripheral, radicular, segmental, conductive, central).
2. Infectious chorea. Etiology, pathogenesis, clinic, diagnostics, treatment.
3. Tumors of the pituitary gland. Clinic, diagnosis and treatment.
4. Syndrome of lesions of the frontal lobes of the brain.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 49

1. Hypoglossal nerve. Anatomy, physiology, pathology and research methods.
2. Subtentorial tumors of the brain (tumors of the posterior cranial fossa). Clinic, diagnosis and treatment
3. Compression syndromes of cervical osteochondrosis of the spine. Compression spinal syndromes of cervical osteochondrosis Clinic, diagnosis, treatment.
4. Syndrome of damage to the occipital lobes of the brain.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya

**Federal State Budgetary Educational Institution
higher education "North Ossetian State Medical Academy" of the
Ministry of Health of the Russian Federation**

**Department of Psychiatry with Neurology, Neurosurgery and Medical
Rehabilitation**

Faculty of Medicine

Course 4

Discipline «Neurology, neurosurgery, partially implemented in English»

Examination ticket No. 50

1. Meninges and cerebrospinal fluid. Anatomy, physiology and pathology. Meningeal syndrome, cerebrospinal fluid changes, cerebrospinal fluid tests).
2. Classification of closed craniocerebral injury. Clinic and treatment of concussions of the brain.
3. Funicular myelosis . Etiology, pathogenesis, clinic, diagnostics, treatment.
4. Anatomy, physiology and pathology of the median nerve.

Head of the Department Doctor of Medical Sciences T. I. Bukanovskaya