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Federal State Budget Educational Institution
of Higher Education
Pacific State Medical University
of the Ministry of Health of the Russian Federation

APPROVED BY

Director of the Institute of Therapy (Internal
Medicine) and Instrumental Diagnostics

_____/ Nevzorova V.A
"2nd" of April 2026

SUBJECT GUIDE FOR TEACHERS AND STUDENTS FOR

B1.V.14 Medical rehabilitation

(Name of discipline)

Specialty

**31.05.01 General Medicine (English-
language program)**

(code, name)

Degree

Specialist's degree

Profile

02 "Healthcare"

(in the field of providing primary health care to the
population in medical organizations: polyclinics,
outpatient clinics, inpatient/outpatient facilities of the
municipal health care system)

Mode of study

Full-time

Period of mastering the BEP

6 years

(nominal length of study)

Institute

of Therapy (Internal Medicine) and
Instrumental Diagnostics

Subject guide for teachers and students for **B1.V.14 Medical rehabilitation** is based on:

1) Federal State Educational Standard of Higher Education for the specialty approved by the Order No. 988 of Ministry of Science and Higher Education of the Russian Federation dated August 12, 2020.

2) Curriculum for the 31.05.01 General Medicine (English-language program), profile 02 "Healthcare" (in the field of providing primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient/outpatient facilities of the municipal health care system), approved by the Academic Council of FSBEI HE PSMU of the Ministry of Health of Russia, Report No. 1-7/25-26 dated March 27, 2026.

Subject guide for teachers and students for **B1.V.14 Medical rehabilitation** was developed by the writing team of the Institute of Therapy (Internal Medicine) and Instrumental Diagnostics of the FSBEI HE PSMU of the Ministry of Health of Russia, under the guidance of the director of the Institute, Doctor of Medical Sciences, Professor Nevzorova V.A.

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1. GENERAL PROVISIONS

Subject guide for **B1.V.14 Medical rehabilitation** is a set of recommendations and explanations that facilitate to optimal organization of mastering this discipline.

Regular analysis of lecture materials and work with end-of-the-text questions are necessary for better understanding of the material and systematization of knowledge of **B1.V.14 Medical rehabilitation**. Particular attention should be paid to emerging questions, confusing terms, and conflicts of points of view during the independent review of the lecture material. If necessary, a student should contact the teacher for advice. Lecture material streamlines students' thinking, while practical classes provide deeper insight into the material of the discipline.

Special attention should be paid to the content of the main provisions and conclusions, explanation of phenomena and facts, and clarification of the practical application of theoretic aspects of topic when preparing for a practical class. During this process students should aim to understand and remember the main provisions of the material under consideration, examples provided, as well as understand the illustrative material.

Collections of assessment tools are used to organize independent study of topics of **B1.V.14 Medical rehabilitation**.

Independent work of students is facilitated by the following:

1. availability and accessibility of the necessary educational and reference material;
2. a system of regular quality control of completed independent work;
3. availability of teacher's advice.

Subject guides for self-study are presented as literary sources. Subject guides for independent work of students include a list of library resources of the educational institution and other materials accessible to students.

Independent work is a type of in-person extracurricular work of teachers and students of **B1.V.14 Medical rehabilitation**. Control of independent work is conducted by the leading teacher. Evaluation of independent work results is taken into account when conducting interim examination of students throughout the **B1.V.14 Medical rehabilitation** course.

Continuous assessment during **B1.V.14 Medical rehabilitation** course is implemented in order to check indicators of achieving competencies, to stimulate students' academic work, and improve methods of mastering new knowledge. Continuous assessment during **B1.V.14 Medical rehabilitation** course is conducted during the semester to assess all types and sections of the academic discipline that encompass the competencies developed by the discipline: classroom questioning, conducting discussions, working with tests, preparing reports. Continuous assessment of students' knowledge and results of their preparation for practical classes is conducted during every class session.

Interim assessment aims to determine the level of mastery of competency indicators. It is conducted in the pass/fail test format after the student has mastered all sections of **B1.V.14 Medical rehabilitation** and takes into account learning outcomes for all types of student work over the entire period of mastering **B1.V.14 Medical rehabilitation** course.

Time allotted for interim assessment is indicated in the schedule.

Assignments given during practical classes, as well as assignments aimed to prepare students for continuous and interim assessment, are included in the collection of assessment tools for **B1.V.14 Medical rehabilitation**. If necessary, students should contact the teacher for advice. It is necessary to thoroughly think over questions that need clarification before seeking teacher's advice.

2. SUBJECT GUIDES FOR LECTURE CLASSES

Table 1. Subject Guides for **B1.V.14 Medical rehabilitation** Lectures

Topic No.1 Rehabilitation: history, main concepts, regulatory framework, principles, stages	
Duration of the lecture (in academic hours):	2
Purpose of the lecture: 1. tell students about the main stages of rehabilitation process development, historical aspects; 2. define rehabilitation; 3. examine methods of rehabilitation, main principles, stages.	
Lecture plan, order of presentation of its sections: - Principles of organizing the rehabilitation process, historical aspects - Rehabilitation program. Stages of rehabilitation process. Multidisciplinary rehabilitation team - Rehabilitation potential. Classification - Basic principles of rehabilitation from a modern perspective - Rehabilitation prognosis. Levels of prognosis. Factors that have influence on it	
Recommended literature 1. Lisitsyn, Yu. P. History of Medicine : textbook / Yu. P. Lisitsyn. – M.: GEOTAR-Media, 2020. - 352 с. - ISBN 978-5-9704-5445-9. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : https://www.studentlibrary.ru/book/ISBN9785970454459.html 2. Epifanov, V. A. Physical therapy: tutorial guide / V. A. Epifanov, A. V. Epifanov. – M.: GEOTAR-Media, 2022. - 576 с. - ISBN 978-5-9704-6795-4. – electronic source // URL : https://www.studentlibrary.ru/book/ISBN9785970467954.html 3. General Care of Patient: tutorial / V. N. Oslopov, O. V. Bogoyavlenskaya. – M.: GEOTAR-Media, 2019. - 206 p.	
Topic No.2 International Classification of Functioning, Disability and Health (ICF). Diagnosing impaired functioning and disability (functional tests, questionnaires, scores)	
Duration of the lecture (in academic hours):	2
Purpose of the lecture: 1. tell students about the International Classification of Functioning, Disability and Health (ICF); 2. define functional tests, questionnaires, scores; 3. examine classification and terminology of health and health-related domains.	
Lecture plan, order of presentation of its sections: - Definition of International classification of functioning, disability and health (ICF) - ICF is the WHO framework for measuring health and disability at both individual and population levels - The rules of using the International classification of functioning, disability and health (ICF) - ICF checklist. Rules of making conclusion - Diagnosing impaired functioning and disability - The variants of functional tests, questionnaires, scores	
Recommended literature 1. Epifanov, V. A. Physical therapy: tutorial guide / V. A. Epifanov, A. V. Epifanov. - Moscow : GEOTAR-Media, 2022. - 576 с. - ISBN 978-5-9704-6795-4. – electronic source // URL : https://www.studentlibrary.ru/book/ISBN9785970467954.html 2. General Care of Patient: tutorial / V. N. Oslopov, O. V. Bogoyavlenskaya. - Moscow : GEOTAR-Media, 2019. - 206 p.	

3. Medical rehabilitation : textbook / edited by A. V. Epifanov, E. E. Achkasov, V. A. Epifanov. - Moscow : GEOTAR-Media, 2022. - 664 c. - ISBN 978-5-9704-6688-9: electronic source // - URL : <https://www.studentlibrary.ru/book/ISBN9785970466889.html>

Topic No.3 Medical supervision during rehabilitation. Comprehensive assessment of physical development. Assessment of the functional state of the body

Duration of the lecture (in academic hours):

2

Purpose of the lecture:

1. tell students about types of medical supervision during rehabilitation;
2. define comprehensive assessment of physical development;
3. examine assessment of the functional state of the body.

Lecture plan, order of presentation of its sections:

- The place of multidisciplinary team in rehabilitation process
- Medical supervision as a significant part of rehabilitation process
- Methods of comprehensive assessment of physical development
- The assessment of the functional state of the body

Recommended literature

1. Epifanov, V. A. Physical therapy: tutorial guide / V. A. Epifanov, A. V. Epifanov. - Moscow : GEOTAR-Media, 2022. - 576 c. - ISBN 978-5-9704-6795-4. – electronic source // URL : <https://www.studentlibrary.ru/book/ISBN9785970467954.html>
2. General Care of Patient: tutorial / V. N. Oslopov, O. V. Bogoyavlenskaya. - Moscow : GEOTAR-Media, 2019. - 206 p.
3. Medical rehabilitation : textbook / edited by A. V. Epifanov, E. E. Achkasov, V. A. Epifanov. - Moscow : GEOTAR-Media, 2022. - 664 c. - ISBN 978-5-9704-6688-9: electronic source // - URL : <https://www.studentlibrary.ru/book/ISBN9785970466889.html>

Topic No.4 Methods and means of medical rehabilitation (physical therapy, massage, reflexotherapy, rehabilitation equipment)

Duration of the lecture (in academic hours):

2

Purpose of the lecture:

1. tell students about the methods and means of medical rehabilitation;
2. define indications and contraindications for physical therapy, massage, reflexotherapy;
3. examine types of rehabilitation equipment, equipment that preferable to use in different diseases.

Lecture plan, order of presentation of its sections:

- The main areas of medical rehabilitation are physical, psychological and social rehabilitation
- Methods of rehabilitation
- Physical therapy, massage, reflexotherapy as widesprading methods of medical rehabilitation
- Indications and contraindications. Technology and methods of applying
- Main types of rehabilitation equipment
- Issues of rehabilitation equipment. Exercise equipment, physiotherapy devices, equipment for orthopedic rehabilitation, equipment for rehabilitation after stroke, heart attack and other diseases

Recommended literature

1. Epifanov, V. A. Physical therapy: tutorial guide / V. A. Epifanov, A. V. Epifanov. - Moscow : GEOTAR-Media, 2022. - 576 c. - ISBN 978-5-9704-6795-4. – electronic source // URL : <https://www.studentlibrary.ru/book/ISBN9785970467954.html>

2. General Care of Patient: tutorial / V. N. Oslopov, O. V. Bogoyavlenskaya. - Moscow : GEOTAR-Media, 2019. - 206 p.
3. Medical rehabilitation : textbook / edited by A. V. Epifanov, E. E. Achkasov, V. A. Epifanov. - Moscow : GEOTAR-Media, 2022. - 664 c. - ISBN 978-5-9704-6688-9: electronic source // - URL : <https://www.studentlibrary.ru/book/ISBN9785970466889.html>

Topic No.5 Physiotherapy as non-pharmaceutical method of rehabilitation. Integration of medical rehabilitation into health resort treatment

Duration of the lecture (in academic hours):	2
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Purpose of the lecture:

1. tell students about objectives of physiotherapy;
2. define main types of physiotherapeutically methods;
3. examine main principles of using physiotherapy in rehabilitation process, indications and contraindications for methods.

Lecture plan, order of presentation of its sections:

- The subject and objectives of physiotherapy. History of development. General mechanisms of the therapeutic effect of physical factors
- Electrotherapy. Direct electric current. Galvanization. Electrophoresis
- Electrical stimulation. Diadynamic currents. Amplipulse therapy
- Electromagnetic fields and their application in medicine. microwave resonance therapy. Magnetic therapy, ultrasound therapy
- Light therapy (visible spectrum, bioptron, IR and UV radiation, laser)
- Heat therapy. Hydrotherapy, pelotherapy. Fundamentals of balneology. The use of physiotherapeutic methods to restore physical performance

Recommended literature

1. Epifanov, V. A. Physical therapy: tutorial guide / V. A. Epifanov, A. V. Epifanov. - Moscow : GEOTAR-Media, 2022. - 576 c. - ISBN 978-5-9704-6795-4. – electronic source // URL : <https://www.studentlibrary.ru/book/ISBN9785970467954.html>
2. General Care of Patient: tutorial / V. N. Oslopov, O. V. Bogoyavlenskaya. - Moscow : GEOTAR-Media, 2019. - 206 p.
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3. SUBJECT GUIDES FOR PRACTICAL CLASSES

Table 2. Subject Guides for Practical **B1.V.14 Medical rehabilitation** Classes

Topic No.1 Rehabilitation. Types of rehabilitation. Medical rehabilitation, significance. Goal and objectives of rehabilitation. Main aspects. Main principles, regulatory documents. Stages and setting of medical rehabilitation

Duration of the practical class (in academic hours):	4
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Purpose of the practical class:

1. consolidate knowledge acquired during lectures;
2. during the discussion, outline the main goal and objectives of rehabilitation;
3. thoroughly go over definitions and concepts of rehabilitation mechanisms, regulatory documents;
4. study the stages and setting of medical rehabilitation.

Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, medical equipment and tools for patient examination, and subject guides for the discipline.	
Independent work of the student: preparing for practical classes; preparing slides presentations on selected topics; working with literary sources; preparing a report on the lecture.	
Methods of evaluation of acquired knowledge and skills: classroom questioning, discussions of the reports, tests, working with case studies.	
Recommended reading: 1. Medical rehabilitation : textbook / edited by A. V. Epifanov, E. E. Achkasov, V. A. Epifanov. - Moscow : GEOTAR-Media, 2022. - 664 c. - ISBN 978-5-9704-6688-9: electronic source // - URL : https://www.studentlibrary.ru/book/ISBN9785970466889.html 2. Epifanov, V. A. Physical therapy: tutorial guide / V. A. Epifanov, A. V. Epifanov. - Moscow : GEOTAR-Media, 2022. - 576 c. - ISBN 978-5-9704-6795-4. – electronic source // URL : https://www.studentlibrary.ru/book/ISBN9785970467954.html 3. General Care of Patient: tutorial / V. N. Oslopov, O. V. Bogoyavlenskaya. - Moscow : GEOTAR-Media, 2019. - 206 p.	
Topic No.2 International Classification of Functioning, Disability and Health (ICF). Rehabilitation diagnosis, rehabilitation potential. Multidisciplinary rehabilitation team	
Duration of the practical class (in academic hours):	4
Purpose of the practical class: 1. consolidate knowledge acquired during lectures; 2. during the discussion, outline main stages of rehabilitation, main documentation outlining provision of medical aid in the sphere of medical rehabilitation; 3. thoroughly go over definitions and concepts of definitions and concepts of rehabilitation, rehabilitation potential, rehabilitation diagnosis, short-term and long-term rehabilitation goals.	
Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, medical equipment and tools for patient examination, and subject guides for the discipline.	
Independent work of the student: preparing for practical classes; preparing slides presentations on selected topics; working with literary sources; preparing a report on the lecture.	
Methods of evaluation of acquired knowledge and skills: classroom questioning, discussions of the reports, tests, working with case studies.	
Recommended reading: 1. Medical rehabilitation : textbook / edited by A. V. Epifanov, E. E. Achkasov, V. A. Epifanov. - Moscow : GEOTAR-Media, 2022. - 664 c. - ISBN 978-5-9704-6688-9: electronic source // - URL : https://www.studentlibrary.ru/book/ISBN9785970466889.html 2. Epifanov, V. A. Physical therapy: tutorial guide / V. A. Epifanov, A. V. Epifanov. - Moscow : GEOTAR-Media, 2022. - 576 c. - ISBN 978-5-9704-6795-4. – electronic source // URL : https://www.studentlibrary.ru/book/ISBN9785970467954.html 3. General Care of Patient: tutorial / V. N. Oslopov, O. V. Bogoyavlenskaya. - Moscow : GEOTAR-Media, 2019. - 206 p.	
Topic No.3 Medical supervision. Assessment of physical development. Assessment of the functional state of the body	
Duration of the practical class (in academic hours):	4
Purpose of the practical class: 1. consolidate knowledge acquired during lectures;	

2. during the discussion, outline the main principles of medical supervision;
3. thoroughly go over definitions and concepts of assessment of physical development;
4. study the assessment of the functional state of the body;
5. form an idea of measurements main parameters of body development, conduct a practical training.

Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, medical equipment and tools for patient examination, and subject guides for the discipline.

Independent work of the student: preparing for practical classes; preparing slides presentations on selected topics; working with literary sources; preparing a report on the lecture.

Methods of evaluation of acquired knowledge and skills: classroom questioning, discussions of the reports, tests, working with case studies.

Recommended reading:

1. Medical rehabilitation : textbook / edited by A. V. Epifanov, E. E. Achkasov, V. A. Epifanov. - Moscow : GEOTAR-Media, 2022. - 664 c. - ISBN 978-5-9704-6688-9: electronic source // - URL : <https://www.studentlibrary.ru/book/ISBN9785970466889.html>
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Topic No.4 Methods of medical supervision: functional tests, questionnaires, scores. Medical assessment report

Duration of the practical class (in academic hours):

4

Purpose of the practical class:

1. consolidate knowledge acquired during lectures;
2. during the discussion, outline the main methods of medical supervision;
3. thoroughly go over definitions and concepts of the functional tests, questionnaires, scores;
4. study the content of main functional tests, questionnaires, scores, learn to analyze the results and make a conclusions;
5. to form an idea of medical assessment report.

Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, medical equipment and tools for patient examination, and subject guides for the discipline.

Independent work of the student: preparing for practical classes; preparing slides presentations on selected topics; working with literary sources; preparing a report on the lecture.

Methods of evaluation of acquired knowledge and skills: classroom questioning, discussions of the reports, tests, working with case studies.

Recommended reading:

1. Medical rehabilitation : textbook / edited by A. V. Epifanov, E. E. Achkasov, V. A. Epifanov. - Moscow : GEOTAR-Media, 2022. - 664 c. - ISBN 978-5-9704-6688-9: electronic source // - URL : <https://www.studentlibrary.ru/book/ISBN9785970466889.html>
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Topic No.5 Medical rehabilitation. Rehabilitation technologies. Methods and means. Physical therapy and massage. Physiotherapy and health resort treatment. Reflexotherapy

Duration of the practical class (in academic hours):

4

Purpose of the practical class:

1. consolidate knowledge acquired during lectures;
2. during the discussion, outline the main rehabilitation technologies, classifications;
3. thoroughly go over definitions and concepts of physical therapy and massage;
4. study the mechanisms of physiotherapy and health resort treatment;
5. form an idea of the methods of reflexotherapy in different cases.

Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, medical equipment and tools for patient examination, and subject guides for the discipline.

Independent work of the student: preparing for practical classes; preparing slides presentations on selected topics; working with literary sources; preparing a report on the lecture.

Methods of evaluation of acquired knowledge and skills: classroom questioning, discussions of the reports, tests, working with case studies.

Recommended reading:

1. Medical rehabilitation : textbook / edited by A. V. Epifanov, E. E. Achkasov, V. A. Epifanov. - Moscow : GEOTAR-Media, 2022. - 664 c. - ISBN 978-5-9704-6688-9: electronic source // - URL : <https://www.studentlibrary.ru/book/ISBN9785970466889.html>
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Topic No.6 Medical rehabilitation of patients with cardiovascular diseases

Duration of the practical class (in academic hours):

4

Purpose of the practical class:

1. consolidate knowledge acquired during lectures;
2. during the discussion, outline the main stages and timing of rehabilitation of patients with cardiovascular diseases (AH, IHD, HF, myocardial infarction, etc.);
3. thoroughly go over the indications for therapeutic exercise in cardiovascular diseases;
4. study the mechanisms of the cardiovascular disease prevention and recommendations;
5. to form an idea of rehabilitation potential in main cardiovascular diseases, prognosis, and complications prevention.

Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, medical equipment and tools for patient examination, and subject guides for the discipline.

Independent work of the student: preparing for practical classes; preparing slides presentations on selected topics; working with literary sources; preparing a report on the lecture.

Methods of evaluation of acquired knowledge and skills: classroom questioning, discussions of the reports, tests, working with case studies.

Recommended reading:

1. Medical rehabilitation : textbook / edited by A. V. Epifanov, E. E. Achkasov, V. A. Epifanov. - Moscow : GEOTAR-Media, 2022. - 664 c. - ISBN 978-5-9704-6688-9: electronic source // - URL : <https://www.studentlibrary.ru/book/ISBN9785970466889.html>

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Topic No.7 Medical rehabilitation of patients with respiratory diseases

Duration of the practical class (in academic hours):

4

Purpose of the practical class:

1. consolidate knowledge acquired during lectures;
2. during the discussion, outline the main stages and timing of rehabilitation of patients with respiratory diseases (pneumonia, COPD, bronchial asthma etc.);
3. thoroughly go over indications for therapeutic breathing exercises, physiotherapy methods in respiratory diseases;
4. study the mechanisms of the respiratory diseases and its complications;
5. form an idea of rehabilitation potential in main respiratory diseases, prognosis; complications prevention, secondary prophylaxis, and prescription of medicines

Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, medical equipment and tools for patient examination, and subject guides for the discipline.

Independent work of the student: preparing for practical classes; preparing slides presentations on selected topics; working with literary sources; preparing a report on the lecture.

Methods of evaluation of acquired knowledge and skills: classroom questioning, discussions of the reports, tests, working with case studies.

Recommended reading:

1. Medical rehabilitation : textbook / edited by A. V. Epifanov, E. E. Achkasov, V. A. Epifanov. - Moscow : GEOTAR-Media, 2022. - 664 c. - ISBN 978-5-9704-6688-9: electronic source // - URL : <https://www.studentlibrary.ru/book/ISBN9785970466889.html>
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Topic No.8 Medical rehabilitation of patients with diseases of digestive tract and metabolic diseases

Duration of the practical class (in academic hours):

4

Purpose of the practical class:

1. consolidate knowledge acquired during lectures;
2. during the discussion, outline the main stages and timing of rehabilitation of patients with diseases of digestive tract and metabolic diseases (gastritis, peptic ulcer, colitis, obesity, gout etc.);
3. thoroughly go over indications for physiotherapy methods in patients with diseases of digestive tract and metabolic diseases;
4. study the mechanisms of the digestive tract diseases and metabolic diseases;
5. form an idea of diet therapy, kinesiotherapy, prescription of medicines.

Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, medical equipment and tools for patient examination, and subject guides for the discipline.

Independent work of the student: preparing for practical classes; preparing slides presentations on selected topics; working with literary sources; preparing a report on the lecture.

Methods of evaluation of acquired knowledge and skills: classroom questioning, discussions of the reports, tests, working with case studies.

Recommended reading:

1. Medical rehabilitation : textbook / edited by A. V. Epifanov, E. E. Achkasov, V. A. Epifanov. - Moscow : GEOTAR-Media, 2022. - 664 c. - ISBN 978-5-9704-6688-9: electronic source // - URL : <https://www.studentlibrary.ru/book/ISBN9785970466889.html>
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Topic No.9 Medical rehabilitation of patients with diseases and injuries of the central and peripheral nervous systems

Duration of the practical class (in academic hours):

4

Purpose of the practical class:

1. consolidate knowledge acquired during lectures;
2. during the discussion, outline the main stages and timing of rehabilitation of patients with diseases with diseases and injuries of the central and peripheral nervous systems (stroke, inflammatory neuritis, compression neuropathies, radiculopathy, plexopathy, polyneuropathy etc.);
3. thoroughly go over indications for physiotherapy methods in patients with diseases of diseases and injuries of the central and peripheral nervous systems;
4. study the mechanisms of the diseases and injuries of the central and peripheral nervous systems;
5. form an idea of therapeutic gymnastics (passive and active gymnastics), massage, hydrokinesitherapy, mechanotherapy, physiotherapy, reflexotherapy, pharmacotherapy in patients with diseases of the central and peripheral nervous systems.

Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, medical equipment and tools for patient examination, and subject guides for the discipline.

Independent work of the student: preparing for practical classes; preparing slides presentations on selected topics; working with literary sources; preparing a report on the lecture.

Methods of evaluation of acquired knowledge and skills: classroom questioning, discussions of the reports, tests, working with case studies.

Recommended reading:

1. Medical rehabilitation : textbook / edited by A. V. Epifanov, E. E. Achkasov, V. A. Epifanov. - Moscow : GEOTAR-Media, 2022. - 664 c. - ISBN 978-5-9704-6688-9: electronic source // - URL : <https://www.studentlibrary.ru/book/ISBN9785970466889.html>
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3. General Care of Patient: tutorial / V. N. Oslopov, O. V. Bogoyavlenskaya. - Moscow : GEOTAR-Media, 2019. - 206 p.

Topic No.10 Medical rehabilitation of patients with diseases and injuries of the musculoskeletal system

Duration of the practical class (in academic hours):	4
Purpose of the practical class: 1. consolidate knowledge acquired during lectures; 2. during the discussion, outline the main stages and timing of rehabilitation of patients with diseases and injuries of the musculoskeletal system (fractures, arthritis, osteochondrosis, sprains etc.); 3. thoroughly go over indications for physiotherapy methods in patients with diseases of diseases and injuries of the musculoskeletal system; 4. study the mechanisms of the diseases and injuries of the musculoskeletal system; 5. form an idea of therapeutic gymnastics (passive and active gymnastics), massage, hydrokinesitherapy, mechanotherapy, physiotherapy, reflexotherapy, pharmacotherapy in patients with diseases and injuries of the musculoskeletal system.	
Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, medical equipment and tools for patient examination, and subject guides for the discipline.	
Independent work of the student: preparing for practical classes; preparing slides presentations on selected topics; working with literary sources; preparing a report on the lecture.	
Methods of evaluation of acquired knowledge and skills: classroom questioning, discussions of the reports, tests, working with case studies.	
Recommended reading: 1. Medical rehabilitation : textbook / edited by A. V. Epifanov, E. E. Achkasov, V. A. Epifanov. - Moscow : GEOTAR-Media, 2022. - 664 c. - ISBN 978-5-9704-6688-9: electronic source // - URL : https://www.studentlibrary.ru/book/ISBN9785970466889.html 2. Epifanov, V. A. Physical therapy: tutorial guide / V. A. Epifanov, A. V. Epifanov. - Moscow : GEOTAR-Media, 2022. - 576 c. - ISBN 978-5-9704-6795-4. – electronic source // URL : https://www.studentlibrary.ru/book/ISBN9785970467954.html 3. General Care of Patient: tutorial / V. N. Oslopov, O. V. Bogoyavlenskaya. - Moscow : GEOTAR-Media, 2019. - 206 p.	
Topic No.11 Rehabilitation equipment. Types, purpose, principles of choosing correct equipment	
Duration of the practical class (in academic hours):	4
Purpose of the practical class: 1. consolidate knowledge acquired during lectures; 2. during the discussion, outline main types of rehabilitation equipment; purpose, principles of choosing correct equipment; 3. thoroughly go over exercise equipment and mechanotherapy: exercise bikes, treadmills, stabilization platforms, and biofeedback devices for strength, endurance, and coordination training and gait rehabilitation systems: walkers, rollators, parallel bars, and specialized suspension systems for gait training and balance maintenance; 4. study verticalization and mobility aids: verticalizers, tilt tables, wheelchairs, and lifts for bedridden patients; physiotherapy and hydrotherapy: electrical stimulators, magnetic therapy devices, ultrasound devices, and therapeutic baths for pain relief and improved blood flow; robotic systems and VR.	
Practical classes requirements: classrooms equipped with multimedia equipment, blackboards, medical equipment and tools for patient examination, and subject guides for the discipline.	
Independent work of the student: preparing for practical classes; preparing slides presentations on selected topics; working with literary sources; preparing a report on the lecture.	

Methods of evaluation of acquired knowledge and skills: classroom questioning, discussions of the reports, tests, working with case studies.

Recommended reading:

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4. GUIDELINES FOR CONTINUOUS AND INTERIM ASSESSMENT

Table 3. Guidelines for Conducting Continuous and Interim Assessment during **B1.V.14 Medical rehabilitation** Course

Type of assessment	Assessment format
Continuous assessment	- conducting and evaluating oral quizzes during practical classes; - assessment and evaluation of completion and results of assignments given during practical classes; - assess and evaluate completion and results of individual assignments and exam tasks given during practical classes; - assessment and evaluation of lecture notes quality.
Interim certification	is conducted in oral format; it allows to assess the development of students' competencies correlating with types of professional activity.

5 ASPECTS OF THE IMPLEMENTATION OF THE COURSE FOR STUDENTS WITH DISABILITIES AND SPECIAL NEEDS

5.1. Availability of accessible environment

For students with disabilities and special needs, if a written application is submitted, lectures and practical classes are carried out taking into account health limitations, individual capabilities and medical status (hereinafter referred to as individual characteristics) of the student. Compliance with the following general requirements is ensured: teaching aids for collective and individual use are provided, required technical assistance is provided by an assistant, buildings and premises where lectures and practical classes are taking place meet accessibility requirements, other arrangements lack of which makes it impossible or difficult to master the discipline are made.

5.2. Compliance with general requirements

When lectures and practical classes are carried out at the written application of the student, the following general requirements are met: lectures and practical classes for students with disabilities and special needs take place at the same location as for students who do not have disabilities, if this does not cause difficulties for students; an assistant (assistants), who provide(s) students with the necessary technical assistance taking into account individual characteristics of the student, is (are) provided; necessary teaching aids are provided, taking into account individual characteristics of the student.

5.3. Availability of the internal policies and procedures of FSBEI HE PSMU of the Ministry of Health of Russia to students with disabilities in a form accessible to them.

All internal policies and procedures of FSBEI HE PSMU of the Ministry of Health of Russia concerning the discipline are made available to students with disabilities in a form accessible to them.

5.4. Increase in the duration of interim assessment of students with disabilities and special needs in relation to the established duration

Format of the interim assessment of academic performance within the scope of the discipline for students with disabilities and special needs is selected taking into account individual characteristics (orally, by writing on paper, by typing on a computer, as a test, etc.). The duration of the interim assessment in relation to the established duration is increased at the written application of the student with disabilities. Time limit for the student's preparation for the test is increased by at least 0.5 hours

6. STAFFING REQUIREMENTS OF THE DISCIPLINE

Academic teaching personnel that ensure the implementation of the discipline education process meet the requirements of the Federal State Educational Standard of Higher Education for the 31.05.01 General Medicine specialty; list of the aforementioned personnel is available on the website of the educational organization.

