

Summary of the working program of the academic discipline

« Medical Rehabilitation »

General Educational Program of higher education (specialist's degree programs)

31.05.03 DENTISTRY

Department: Medical Rehabilitation

1. The purpose of mastering the discipline - *participation in the formation of relevant competencies – GPC-12, PC – 9*

2. Position of the academic discipline in the structure of the General Educational Program (GEP).

2.1. The discipline refers to the core part of *Block 1 of GEP.*

The discipline is taught in 6th semester /4th year of study.

3. Deliverables of mastering the academic discipline and metrics of competence acquisition

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				know	be able to	possess
1.	GPC-12	Able to implement and monitor the effectiveness of medical rehabilitation of a dental patient		procedures for organizing medical rehabilitation and sanatorium treatment; methods of medical rehabilitation of the patient, medical indications and medical contraindications for their implementation, taking into account the diagnosis in accordance with the current procedures for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care;	develop an action plan for medical rehabilitation in patients with dental diseases in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care; determine medical indications for medical rehabilitation of patients with dental diseases in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care; referring	Has practical experience in: drawing up an action plan for the medical rehabilitation of a patient with dental diseases in accordance with the current procedure for medical rehabilitation, clinical recommendations, taking into account the standards of medical care; carrying out medical rehabilitation measures for patients with dental diseases in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care; referring

				<p>medical indications and medical contraindications for medical rehabilitation measures in patients with dental diseases;</p> <p>medical indications for referring patients with dental diseases to specialist doctors for the appointment of medical rehabilitation measures, sanatorium treatment;</p> <p>the procedure for providing medical care to the adult population in case of dental diseases;</p> <p>the procedure for providing medical care to children with dental diseases;</p> <p>ways to prevent or eliminate complications, side effects, adverse reactions, including serious and unforeseen, resulting from medical rehabilitation of children and adults with dental diseases</p>	<p>taking into account the standards of medical care;</p> <p>refer patients with dental diseases for a consultation with specialist doctors for the appointment and implementation of medical rehabilitation, sanatorium treatment, in accordance with the current procedures for organizing medical rehabilitation and sanatorium treatment, clinical recommendations, taking into account the standards of medical care;</p> <p>evaluate the effectiveness and safety of medical rehabilitation measures for patients with dental diseases in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care</p>	<p>patients with dental diseases for consultation with specialist doctors;</p> <p>evaluation of the effectiveness and safety of measures for the medical rehabilitation of patients with dental diseases</p>
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2.	PC-9	<p>Willingness to determine the need for the use of natural healing factors, drug, non-drug therapy and other methods in patients with diseases of the maxillofacial region in need of medical rehabilitation and spa treatment</p>		<p>Clinical guidelines (treatment protocols) on the provision of medical care to patients with diseases or conditions, in connection with the development of which medical rehabilitation measures are provided; Methods of medical rehabilitation of patients with various diseases or conditions; Mechanism of action of drugs, medical products and medical nutrition used in medical rehabilitation ; medical indications and medical contraindications to the appointment; possible complications, side effects, adverse reactions, including serious and unexpected; ICF; Features of dysfunction, activity and participation in the main diseases that cause disability, non-communicable diseases, Pathogenesis</p>	<p>Justify the use of medicines, medical devices, dietary nutrition, non-drug treatment for patients with impaired functions and structures of the human body and subsequent disability, in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care , taking into account the standards of medical care; Determine the sequence of the use of drugs, non-drug therapy for patients with impaired functions and structures of the human body and subsequent disability, in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical</p>	<p>Development of a plan for the medical rehabilitation of patients with impaired functions and structures of the human body and subsequent disability, regardless of age, diseases and (or) conditions in accordance with the procedure for organizing medical rehabilitation, current procedures for the provision of medical care, clinical guidelines (treatment protocols)) on the provision of medical care, taking into account the standards of medical care; Interpretation of the data obtained during the consultation of a patient with impaired functions and structures of the human body and subsequent disability, by specialist doctors, specialists with higher professional (non-medical) education of a multidisciplinary rehabilitation team, data from laboratory, instrumental and clinical studies in order to obtain an idea of the degree of impairment of</p>
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					<p>the human body, limited life activity of the patient in diseases and (or) conditions</p> <p>of the motor mode, individual boundaries of the intensity of the applied influences on a patient who has impaired functions and structures of the human body and subsequent disability;</p> <p>Determination of risk factors and factors limiting the implementation of measures for the implementation of an individual program of medical rehabilitation;</p> <p>Prescribing medicines, medical devices and medical nutrition in order to correct impaired functions and structures of the human body, life limitations of a patient with various diseases and (or) conditions;</p> <p>Evaluation of the effectiveness and safety of the use of drugs, medical devices and clinical nutrition for patients with impaired functions and structures of the human body and subsequent limitations of human life due to various diseases and (or) conditions</p>
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4. Volume of the academic discipline and types of academic work

Total labor intensity of the discipline is 2,1 CU (75,2 AH)

Type of educational work	Labor intensity		Labor intensity (AH) in semesters
	volume in credit units (CU)	volume in academic hours (AH)	6
Classroom work, including	1,2	44	44
Lectures (L)	0.3	10	10
Laboratory practicum (LP)*	-	-	-
Practicals (P)	0.9	34	34
Seminars (S)	-	-	-
Student's individual work (SIW)	0.8	28	28
Mid-term assessment			
credit/exam (<i>specify the type</i>)	0.1	3.2	3.2
TOTAL LABOR INTENSITY	2.1	75.2	75.2

5. Sections of the academic discipline and competencies that are formed

№	Competence code	Section name of the discipline	The content of the section in teaching units
	GPC-12 PC-9	General issues of rehabilitation. Methods and means of medical rehabilitation.	General principles of rehabilitation The order of organization of medical rehabilitation. Methods and means of medical rehabilitation. Features of examination in medical rehabilitation. Assessment of physical development. Goniometry. Assessment of the state of the musculoskeletal system. Evaluation of the functional state and rehabilitation capabilities of patients at the stages of medical rehabilitation. Functional stress tests. Definition of rehabilitation potential. The main scales and questionnaires used in medical rehabilitation. International concept of functioning, disability and health. International classification of functioning.
	GPC-12 PC-9	Fundamentals of physiotherapy. Therapeutic application of electromagnetic, mechanical and thermal factors in the system of medical rehabilitation.	Modern concepts of physiotherapy. Basic principles of therapeutic use of physical factors. Methods of therapeutic application of physiotherapeutic factors of direct and alternating current, pulsed electrotherapy. Indications and contraindications. Features of preparing a patient for procedures, an indicative basis for actions during the execution of procedures. Methods of therapeutic application of physiotherapeutic factors of high-frequency, ultra-high-frequency and microwave therapy. Magnetotherapy. Therapeutic application of mechanical factors of electromagnetic nature. Methods of therapeutic use of physiotherapeutic factors: optical radiation, artificial aerodisperse media. Water, mud, heat treatment. Spa treatment.
	GPC-12 PC-9	General principles of exercise therapy. The place of exercise therapy in the system of medical rehabilitation.	General principles of exercise therapy. Means of exercise therapy features of the exercise therapy. Schemes for constructing therapeutic gymnastics procedure. Classification of therapeutic exercises. Manifestations of immobilization (bed-rest) syndrome, changes in body systems. Exercise therapy for patients with degenerative disk disease.

	GPC-12 PC-9	Features of medical rehabilitation of certain categories of patients and disabled people.	Medical rehabilitation for diseases and injuries of the maxillofacial region.
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