

Summary of the working program of the academic discipline

«FACULTY SURGERY»

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

31.05.01 General Medicine

Department: FACULTY OF SURGERY AND TRANSPLANTOLOGY

1. The purpose of mastering the discipline: participation in the formation of competencies - UC-1, UC-2, UC-3, UC-9, GPC-1, GPC-2, GPC-4, GPC-5, GPC-7, GPC-8, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, PC-11, PC-22, PC-23

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 HE

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.	UC-1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	IUC 1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis IUC 1.2 Able to: gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience IUC 1.3 Has practical experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems	methods of critical analysis and evaluation of modern scientific achievement s; basic principles of critical analysis	gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience	Has practical experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems
2.	UC-2	Able to manage the project at all stages of its life cycle	IUC 2.1 Knows: methods of presenting and describing the results of project activities; methods, evaluation and evaluation of the results	methods for presenting and describing the results of project	prove practical and theoretical significance of the results obtained; check and	Has practical experience in: project management in the field relevant to professional

			<p>of the project; consideration of the issue of forming a project within the framework of the problem under consideration; basic requirements for project work and evaluation criteria</p> <p>consideration of the project within the framework of the designated problem, formulation of the goal, objectives, relevance, perception (scientific, practical, methodological skills in drawing up plans and schedules for the implementation of the project as a whole plan and monitoring its implementation; qualities of a constructive overcoming speed rationale, methods and requirements for project work</p> <p>IUC 2.2 Able to: substantiate the practical and theoretical significance of the results obtained; check and analyze project documentation; predict the development of processes in the design professional area; put forward innovative ideas and non-standard approaches to their implementation in order to implement the project; calculate the qualitative and quantitative results, the timing of the project work</p> <p>IUC 2.3 Has practical experience in: project management in the field, consistent with her professional activities; distributing tasks and encouraging others to achieve goals; managing the development of the technical specifications of the project,</p>	<p>activities; methods, criteria and parameters for evaluating the results of project implementation; principles, methods and requirements for the project work</p>	<p>analyze the design documentation; predict the development of processes in the project professional field; put forward innovative ideas and non-standard approaches to their implementation in order to implement the project; calculate qualitative and quantitative results, deadlines of project work execution</p>	<p>activity; distribution of tasks and encouraging others to achieve goals; management development of technical specifications of the project, management implementation of profile project work; participation in the development technical specifications of the project and the project implementation program in the professional field</p>
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			<p>managing the implementation of core design work. Has experience of participating in the development of project specifications and programs results of project activities.</p> <p>and others depending on the type of project), expected results and possible areas of their application; be able to see the image of the result of the activity and plan the follower!! number of steps to achieve this result; predict problem situations and risks in project activities. disagreements and conflicts.</p> <p>project implementation in the professional field</p>			
3.	UC-3	Able to organize and manage the work of the team, developing a team strategy to achieve the goal	<p>IUC 3.1 Knows: problems of selection of an effective team; basic conditions for effective teamwork; fundamentals of strategic human resource management, normative legal acts concerning the organization and implementation of professional activities; models of organizational behavior, factors in the formation of organizational relations, strategies and principles of teamwork, the main characteristics of the organizational climate and the interaction of people in the organization</p> <p>IUC 3.2 Able to: determine the management style for effective team work; develop a team strategy; apply the principles and methods of organizing team activities</p> <p>IUC 3.3 Has practical experience:</p>	the problems of selecting an effective team; basic conditions for effective teamwork; the basics of strategic human resource management, regulatory legal acts concerning the organization and implementation of professional activities; organizational behavior models, factors of formation of organizational relationships; strategies and principles of	determine the management style for the effective team work; develop a team strategy; apply the principles and methods of organizing team activities	Has practical experience in: participation in the development of a team work strategy; participation in teamwork, role distribution in the team interaction

			participation in the development of a team work strategy; participation in team work, distribution of roles in the conditions of team interaction	teamwork, the main characteristics of the organizational climate and interaction of people in the organization		
4.	UC-9	Able to use basic defectological knowledge in social and professional spheres	IUC 9.1 Knows: the basics of defectology IUC 9.2 Able to: establish effective communication and create a tolerant environment when working with people with disabilities and people with disabilities IUC 9.3 Имеет практический опыт: медико- социальной и организационной поддержки (сопровождения) лиц с ограниченными возможностями здоровья и инвалидов при получении ими медицинской помощи	the basics of defectology	the basics of defectology	Has practical experience in: medical, social and organizational support of people with disabilities when they receive medical care
5.	GPC-1	Able to implement moral and legal norms, ethical and deontological principles in professional activities	IGPC 1.1 Knows: basics of medical ethics and deontology; fundamentals of legislation in the field of health care; legal aspects of medical practice IGPC 1.2 Able to: apply ethical norms and principles of behavior of a medical worker in the performance of their professional duties; knowledge of modern legislation in the field of health care in solving problems of professional activity; apply the rules and norms of interaction moral and legal norms, ethical and deontological principles of behavior in the course of professional activity observe moral and legal norms in professional activities;	basics of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical practice	apply ethical norms and principles of behavior of a healthcare worker in the performance of their professional duties; knowledge of modern legislation in the field of healthcare in solving problems of professional activity; apply the rules and norms of interaction between a doctor and colleagues and patients (their legal	Has practical experience in: solving standard problems of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of the legal aspects of medical practice

			<p>express professional information in the process of intercultural interactions respecting the principles of ethics and deontology</p> <p>the skill of behavior in the implementation of professional activities of behavior in compliance with moral and legal norms, ethical and deontological principles</p> <p>doctor with colleagues and patients (their legal representatives)</p> <p>IGPC 1.3 Has practical experience: solving standard problems of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of the legal aspects of medical practice</p>		representatives)	
6.	GPC-2	<p>Able to conduct and realize control of efficiency of activities for prevention, formation of the healthy lifestyle and sanitary and hygienic education of the population</p>	<p>IGPC 2.1 Knows: the main criteria for a healthy lifestyle and methods of its formation: socially hygienic and medical aspects of alcoholism, drug addiction, substance abuse, the basic principles of their prevention; forms and methods of sanitary and hygienic education among patients (their legal representatives), medical workers; basic hygienic measures of a health-improving nature, contribute to the promotion of health and the prevention of the most common diseases; basics of preventive medicine: planning and implementing community prevention programs for the most common diseases</p> <p>IGPC 2.2 Able to: conduct sanitary and hygienic education among children and</p>	<p>Knows: the main criteria for the healthy lifestyle and methods of its formation; social and sanitary medical aspects of alcoholism, drug addiction, substance abuse, basic principles of their prevention; forms and methods of sanitary and hygienic education among patients (their legal representatives), medical</p>	<p>Able to: conduct sanitary and hygienic education among children and adults (their legal representatives) and healthcare workers in order to form a healthy lifestyle and prevention of the most common diseases; carry out sanitary and educational work among children and adults with the aim of forming the healthy lifestyle and</p>	<p>Has practical experience in: propaganda of healthy lifestyle and prevention of the most common diseases; carrying out sanitary and educational work among children and adults; formation of children and adults (their legal representatives) conduct aimed at preserving and improving the level of somatic health; formation of healthy lifestyle programs, including alcohol and tobacco consumption reduction</p>

			<p>adults (their legal representatives) and medical workers in order to form a healthy lifestyle and prevent the most common diseases; conduct health education among children and adults in order to form a healthy lifestyle and prevent the most common diseases; to form in children and adults (their legal representatives) behavior aimed at maintaining and improving the level of somatic health; develop and implement healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, warned and I and the fight against non-medical consumption of narcotic drugs and psychotropic substances; develop a plan of preventive measures and implement methods of group and individual prevention of the most common diseases; prescribe preventive measures to patients taking into account risk factors for prevented and early detection of diseases, including cancer; select and prescribe drugs and non-drug methods for the prevention of the most common diseases</p> <p>IGPC 2.3 Has practical experience in:</p> <p>promotion of a healthy lifestyle and prevention of the most common diseases: conducting health education among children and adults; formation in children and adults (their legal representatives) of behavior aimed to maintain and improve the level of somatic health: the formation of healthy</p>	<p>workers; basic hygienic recreational activities that contribute to the health promotion and prevention of the most common diseases; fundamentals of preventive medicine; stages of planning and implementation of communal programs for the prevention of the most common diseases</p>	<p>prevention of the most common diseases; of children and adults (their legal representatives) conduct aimed at preserving and improving the level of somatic health; develop and implement programs of healthy lifestyle formation, including reduction programs of alcohol and tobacco consumption, prevention and fight against non-medical narcotic drug use and psychotropic substances; develop a plan of preventive measures and implement methods of group and individual prevention of the most common diseases; prescribe preventive measures to patients taking into account risk factors for prevention and early detection of diseases including cancer; carry out non-drug</p>	<p>programs, prevention and fight against non-medical consumption of narcotic drugs and psychotropic substances; development of a preventive action plan of events and implementation of group and individual prevention of the most common diseases; prescription of preventive measures for children and adults taking into account risk factors, oncological and hygienic prevention in accordance with the procedures for providing medical care, clinical recommendations taking into account the standards of medical care; selection of non-drug methods for the prevention of the most common diseases</p>
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			<p>lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevention and control of non-medical consumption of narcotic drugs and psychotropic substances; the development of a plan of preventive measures and the implementation of methods of group and individual prevention is the most common diseases; prescribing preventive measures for children and adults, taking into account risk factors, oncological and hygienic prevention in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; selection and prescription of medicines and non-medical methods for prevention is the most common diseases</p>		<p>methods for the prevention of the most common diseases</p>	
7.	GPC-4	<p>Able to apply medical products, provided by the order of healthcare delivery, as well as examine patients for the purpose of determining the diagnosis</p>	<p>IGPC 4.1 Knows the methodology for collecting an anamnesis of life and diseases, complaints from patients (their legal representatives); method of examination and physical examination; clinical picture, diagnostic methods of the most common diseases; methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; international statistical classification of diseases and related health problems (ICD); conditions requiring emergency medical care; the procedure for</p>	<p>the methodology of collecting anamnesis of life and diseases, complaints of patients (their legal representatives); examination procedure; and physical examination; clinical aspect, methods of diagnosis of the most common diseases; methods of laboratory and instrumental</p>	<p>collect complaints, anamnesis of life and disease of patients (their legal representatives), identify risk factors and causes of diseases; apply methods of examination and physical survey of patients; interpret the results of examination and physical examination of patients; diagnose the most</p>	<p>Has practical experience in: collecting complaints, anamnesis of life and disease of patients (their legal representatives), identifying risk factors and causes of disease development; examination and physical survey of patients; diagnosis of the most common diseases; identification of risk factors for major oncological diseases;</p>

			<p>the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations and (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p> <p>IGPC 4.2 Knows how to: collect complaints, anamnesis of life and disease in patients (their legal representatives), identify risk factors and causes of the development of diseases: apply methods of examination and physical examination of patients; interpret the results of the examination and physical examination of patients; diagnose the most common pathology in patients; identify risk factors for cancer; formulate a preliminary diagnosis, draw up a plan for conducting laboratory, instrumental and additional studies in patients in accordance with the procedures for providing medical care, clinical recommendations, etc. taking into account the standards of medical care; refer patients for laboratory, instrumental and additional studies in accordance with the current procedures for the provision of medical care, clinical recommendations, and, subject to standards of care; refer patients for consultations to specialist doctors in accordance with the procedures for the provision of medical care, clinical recommendations and, taking into account the</p>	<p>investigation s to assess the state of health, medical indications for conducting research, rules for interpreting their results; international statistical classification of diseases and health-related problems (ICD); conditions requiring emergency medical care; procedure for the use of medical devices in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the medical care delivery taking into account the standards of medical care</p>	<p>common pathology among patients; identify risk factors for cancer; formulate a preliminary diagnosis, to make a plan for conducting laboratory, instrumental and additional investigations of patients in accordance with the procedures for providing medical care, clinical recommendations taking into account the standards of medical care; to refer patients to laboratory, instrumental and additional investigations in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; refer patients for consultations to medical specialists in accordance with the procedures</p>	<p>formulation of a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional investigations, consultations of specialist doctors; referral of patients for instrumental, laboratory, additional investigations, consultations of specialist doctors in accordance with the current procedures for providing medical care, clinical recommendations taking into account the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international statistical classification of diseases and problems related to health (ICD); differential diagnosis of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases</p>
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		<p>standards of medical care; interpret and analyze the results of consultations with patients' specialists; interpret and analyze the results of the main (clinical) and additional (laboratory, instrumental) examination methods; to carry out differential diagnostics of diseases in patients; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of a threat to life, requiring emergency medical care; use medical devices in accordance with the current procedures for the provision of medical, clinical guidelines (treatment protocols) on the provision of medical care, care taking into account the standards of medical care</p> <p>IGPC 4.3 Has practical experience: collecting complaints, anamnesis of life and disease in patients (their legal representatives). identification of risk factors and causes of disease development; examination and physical examination of patients; diagnosis of the most common diseases; identification of risk factors for major cancers; I formulated a preliminary diagnosis, drawing up a plan for conducting instrumental</p> <p>laboratory, additional research, consultations of medical specialists; referral of patients for instrumental, laboratory, additional studies, consultations of specialist doctors in</p>		<p>of medical care, clinical recommendations taking into account the standards of medical care; to interpret and analyze the results of consultations by medical specialists of patients; to interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; carry out differential diagnosis of diseases of patients; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of life-threatening, requiring medical care in an urgent form; use medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the provision</p>	<p>without obvious signs of a threat to the patient's life and requiring urgent medical care; the use of medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the issues of medical care delivery, assistance taking into account the standards of medical care</p>
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			<p>accordance with the current procedures for the provision of medical care, clinical guidelines and, taking into account standards of care; interpretation of additional (laboratory and instrumental) examinations of patients; provisional diagnosis in accordance with the international statistical classification of diseases and related health problems (ICD); carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations and (treatment protocols) on the provision of medical care, care taking into account the standards of medical care</p>		<p>of medical care, assistance taking into account the standards of medical care</p>	
8.	GPC-5	<p>Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems</p>	<p>IGPC 5.1 Knows: anatomy, histology, embryology, then graph and chess anatomy, physiology, pathological anatomy and physiology of human organs and systems IGPC 5.2 Able to: evaluate the main morphological and functional data, physiological conditions and pathological processes in the human body IGPC 5.3 Has practical experience: assessment of basic morphofunctional data, physiological states and</p>	<p>anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems</p>	<p>evaluate the basic morphological and functional data, physiological conditions and pathological processes in the human body</p>	<p>Has practical experience in: assessment of basic morphological and functional data, physiological conditions and pathological processes in the human body when solving professional problems</p>

			pathological processes in the human body when solving professional problems			
9.	GPC-7	Able to prescribe treatment and monitor its effectiveness and safety	<p>IGPC 7.1 Knows: methods of drug and non-drug treatment, medical indications for the use of medical devices for the most common diseases; groups of drugs used to provide medical care in the treatment of the most common diseases; their mechanism of action, medical indications and contraindications to the appointment; compatibility, possible complications, side effects, adverse reactions, including serious and unforeseen e; features of medical care in emergency forms</p> <p>IGPC 7.2 Able to: develop a treatment plan for patients with the most common diseases in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; prevent or eliminate complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment</p> <p>IGPC 7.3 Has practical experience in: developing a treatment plan for patients with the most common diseases in accordance with the current procedures for the provision of medical care, clinical guidelines and, taking into account</p>	methods of drug and non-drug treatment, medical indications for the use of medical devices for the most common diseases; groups of drugs used to provide medical care in the treatment of the most common diseases; the mechanism of their action, medical indications and contraindications to the prescription; compatibility, possible complications, side effects, adverse reactions, including serious and unforeseen; features of medical care in emergency forms	develop a treatment plan for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines taking into account the standards of medical care; prevent or eliminate complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment	Has practical experience in: developing a treatment plan for patients with the most common diseases in accordance with the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care; provision of emergency and urgent medical care to patients with the most common diseases in accordance with the current procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; selection and prescription of medicines, medical devices with the most common diseases for the treatment of the most common diseases of children and adults in accordance with the current procedures for providing medical care, clinical

			<p>the standards of medical care; provision of emergency and urgent medical care to patients with the most common diseases, in accordance with the current procedures for the provision of medical care, clinical recommendations and, taking into account the standards of medical care; selection and prescription of medicines, medical devices with the most common diseases for the treatment of the most common diseases in children and adults in accordance with the current procedures for the provision of medical care, clinical recommendations and, taking into account the standards of medical care; evaluation of the efficacy and safety of the use of drugs, medical devices and non-drug treatment in patients with the most common diseases: selection and prescription of non-drug treatment for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines and, taking into account the standards of medical care; prevention and treatment of complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of medicinal preparations and (or) medical devices. non-drug treatment: providing medical care to patients with sudden acute diseases,</p>			<p>recommendations, taking into account the standards of medical care; evaluation of the effectiveness and safety of the use of drugs, medical devices and non-drug treatment of patients with the most common diseases; selection and prescription of non-drug treatment for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; prevention and treatment of complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment; providing medical care to patients with sudden acute diseases, conditions,</p>
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			conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life in an emergency			exacerbation of chronic diseases without obvious signs of a threat to the patient's life in an emergency form; the use of medicines and medical devices in the provision of medical care in an emergency form
10.	GPC-8	Able to implement and realize monitoring the effectiveness of the patient's medical rehabilitation including in the implementation of individual rehabilitation and habilitation programs for the disabled people, assess the patient's ability to carry out work activities	IGPC 8.1 Knows: the procedures for organizing medical rehabilitation, including the implementation of individual programs for the rehabilitation and habilitation of disabled people; methods of medical rehabilitation of the patient, including in the implementation of individual rehabilitation and habilitation programs for disabled people, medical indications and contraindications for their implementation, taking into account the diagnosis in accordance with the current procedures for organizing medical rehabilitation, clinical recommendations and, taking into account the standards of medical care; ways to prevent or eliminate complications, side effects, adverse reactions, including serious and unforeseen ones. resulting from medical rehabilitation measures; procedure for examination of temporary disability and signs of temporary disability of the patient; signs of persistent impairment of body functions due to diseases, consequences of injuries or defects	procedures for the organization of medical rehabilitation , including the implementation of individual rehabilitation and habilitation programs for disabled people; methods of medical rehabilitation of a patient including when implementing individual rehabilitation and habilitation programs for the disabled, medical indications and medical contraindications for their implementation taking into account the diagnosis in accordance with current procedures of the organization	develop an action plan for the medical rehabilitation of patients including the implementation of individual rehabilitation and habilitation programs for the disabled people in accordance with the current procedure for the organization of medical rehabilitation , clinical recommendations taking into account the standards of medical care; determine medical indications for medical rehabilitation measures in accordance with the current procedure for the organization of medical	Has practical experience in: drawing up a plan of measures for medical rehabilitation of a patient, including when implementing individual rehabilitation and habilitation programs for disabled people, in accordance with the current procedure for medical rehabilitation, clinical recommendations, taking into account medical care standards; carrying out medical rehabilitation measures for patients including when implementing individual rehabilitation and habilitation programs for disabled people, in accordance with the current procedure for the organization of medical rehabilitation, clinical

			<p>IGPC 8.2 Able to: develop an action plan for the medical rehabilitation of patients, including the implementation of individual programs for the rehabilitation and habilitation of the disabled, in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations and, taking into account the standards of medical care; determine medical indications for medical rehabilitation measures in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations and, taking into account the standards of medical care; evaluate the effectiveness and safety of measures for the medical rehabilitation of patients, including the implementation of individual programs for the rehabilitation and habilitation of disabled people. in accordance with the current procedure for organizing medical rehabilitation, clinical guidelines and, taking into account standards of care; determine signs of temporary disability and signs of permanent impairment of body functions due to diseases, consequences of injuries or defects</p> <p>IGPC 8.3 Has practical experience in: drawing up a plan of measures for the medical rehabilitation of a patient, including the implementation of individual programs for the rehabilitation and habilitation of disabled people, in accordance with the current procedure for medical</p>	<p>of medical rehabilitation , clinical recommendations taking into account the standards of medical care; ways to prevent or eliminate complications, side effects, adverse reactions, including serious and unforeseen, arising as a result of medical rehabilitation measures; procedure for examination of temporary disability and signs of temporary disability of a patient; signs of persistent impairment of body functions caused by diseases, consequences of injuries or defects</p>	<p>rehabilitation , clinical recommendations taking into account the standards of medical care; evaluate the effectiveness and safety of medical rehabilitation measures for patients including when implementing individual rehabilitation and habilitation programs for disabled people in accordance with the current procedure for organizing medical rehabilitation , clinical recommendation taking into account the standards of medical care; identify signs of temporary disability and signs of persistent impairment of body functions caused by diseases, consequences of injuries or defects</p>	<p>recommendations, taking into account the standards of medical care; evaluation of the effectiveness and safety of measures for medical rehabilitation of patients, including the implementation of individual rehabilitation and habilitation programs for disabled people</p>
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			<p>rehabilitation, clinical recommendations and, taking into account the standards of medical care; carrying out medical rehabilitation measures for patients, including the implementation of individual rehabilitation and habilitation programs for disabled people, in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations and, taking into account the standards of medical care; evaluation of the effectiveness and safety of measures for the medical rehabilitation of patients. including the implementation of individual rehabilitation and habilitation programs for disabled people</p>			
11.	PC-1	<p>Able to assess the condition of a patient requiring medical treatment in the emergency form</p>	<p>IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the condition, the main medical indications for conducting research and interpreting the results in patients requiring medical care in emergency forms IPC 1.2 Able to: identify clinical signs of conditions requiring emergency or emergency medical care IPC 1.3 has methods for assessing the condition</p>	<p>etiology, pathogenesis and pathomorphology, clinical aspect, differential diagnosis, clinical features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, palpation, percussion, auscultation); a list of laboratory and</p>	<p>identify clinical signs of conditions requiring medical treatment in the emergency form</p>	<p>assessment of the patient's condition requiring medical care in emergency or emergency forms</p>

			of a patient requiring medical care in emergency or emergency forms	instrumental research methods for assessing the condition, the main medical indications for conducting research and interpreting the results of patients requiring medical care in the emergency form		
12.	PC-2	Able to recognize conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care, recognize conditions that pose a threat to the patient's life including conditions of clinical death (stopping vital functions of the human body (blood circulation and/or respiration), requiring the provision of emergency medical care	IPC 2.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis from patients (their legal representatives); method of physical examination of patients (examination, palpation, percussion, auscultation): a list of laboratory and instrumental research methods for assessing the patient's condition, the main medical indications for conducting research and interpreting the results: clinical signs of a sudden cessation of blood circulation and / or breathing IPC 2.2 Able to: identify clinical signs of conditions requiring emergency medical care; identify conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and breathing	etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, features of the course, complications and outcomes of diseases of internal organs; methods of collecting complaints and anamnesis in patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); a list of methods of laboratory and instrumental investigations to assess the patient's	identify clinical signs of conditions requiring emergency medical care; identify conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and respiration	provision of emergency medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life; state recognition. posing a threat to the life of the patient, including conditions of clinical death (stopping the vital functions of the human body (blood circulation and / or respiration), requiring emergency medical care; providing emergency medical care to patients in conditions that pose a threat to the patient's life, including clinical death (stoppage of vital functions

				condition, the main medical indications for conducting research and interpreting the results; clinical signs of sudden cessation of blood circulation and/ or respiration		of the human body (blood circulation and/or respiration)
13.	PC-3	Able to: provide emergency medical care to patients in case of sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life, provide emergency medical care to patients in conditions that threaten the patient's life, including clinical death (suspension of vital functions the human body (circulation and/or respiration)	IPC 3.1 Knows: basic cardiopulmonary resuscitation rules; principles of operation of devices for external electropulse therapy (defibrillation); rules for performing external electropulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration IPC 3.2 Able to: perform measures to provide medical care in urgent and emergency forms; basic cardiopulmonary resuscitation in combination with electrical impulse therapy (defibrillation)	basic cardiopulmonary resuscitation rules; principles of operation of devices for external electropulse therapy (defibrillation); rules for performing external electrical impulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration	perform measures to provide medical care in urgent and emergency forms; basic cardiopulmonary resuscitation in combination with electrical impulse therapy (defibrillation)	provision of emergency medical care to patients in conditions that pose a threat to the patient's life, including clinical death (stopping vital functions of the human body (blood circulation and/or respiration)
14.	PC-4	Able to use medicines and medical devices for providing medical care in emergency forms	IPC 4.1 Knows: basic cardiopulmonary resuscitation rules; principles of operation of devices for external electropulse therapy (defibrillation); rules for performing external electropulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration IPC 4.2 Able to: perform measures to provide medical care in urgent and emergency	modern methods of using medicines, medical devices for diseases and conditions in accordance with the current procedures for providing medical care, clinical recommenda	prescribe medicines, medical devices taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for providing	provision of emergency medical care to patients in conditions that pose a threat to the patient's life, including clinical death (stopping vital functions of the human body (blood circulation and/or respiration)

			forms; basic cardiopulmonary resuscitation in combination with electrical impulse therapy (defibrillation)	tions (treatment protocols) on the provision of medical care taking into account the standards of medical care in the provision of medical care in emergency or urgent forms; the mechanism of action of drugs, medical devices, medical indications and contraindications to their use; complications caused by their use; principles of operation of devices for external electric pulse therapy (defibrillation); rules for performing external electric pulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration	medical care, clinical recommendations (treatment protocols) on the medical care delivery in emergency or urgent forms	
15.	PC-5	Able to collect complaints, anamnesis of the patient's life and illness, conduct a complete physical examination of the patient (examination,	IPC 5.1 Knows: Legislation of the Russian Federation in the field of health care, regulatory legal acts and other documents that determine the activities of medical organizations and medical workers;	the legislation of the Russian Federation in the field of health care, regulations and other documents that	collect complaints, anamnesis of life and disease of the patient and analyze the information received;	collection of complaints, anamnesis of life and disease of the patient; a complete physical examination of the patient (examination,

		<p>palpation, percussion, auscultation), formulate a preliminary diagnosis and draw up a plan for laboratory and instrumental examinations of the patient</p>	<p>method of collecting complaints, anamnesis of life and disease of the patient; a technique for a complete physical examination of the patient (examination, palpation, percussion, auscultation); etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; regularity and functioning of a healthy human body and mechanisms for ensuring health from the standpoint of the theory of functional systems; features of the regulation of the functional systems of the human body in pathological processes; methods of laboratory and instrumental studies for assessing the state of health, medical indications for research, rules for interpreting their results IPC 5.2 Able to: collect complaints, anamnesis of life and disease of the patient and analyze the information received; conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation) and interpret its results; determine the sequence of volume, content and sequence of diagnostic measures</p>	<p>determine the activities of medical organizations and healthcare workers; method of collecting complaints, anamnesis of life and disease of the patient; a technique for a complete physical examination of the patient (examination, palpation, percussion, auscultation); etiology, pathogenesis and pathomorphology, clinical aspect, differential diagnosis, clinical features, complications and outcomes of diseases of internal organs; patterns of functioning of a healthy human body and mechanisms for ensuring health from the standpoint of the theory of functional systems; features of the regulation of the functional systems of the human</p>	<p>conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation) and interpret its results; determine the sequence of volume, content and sequence of diagnostic measures incl. modern digital technologies</p>	<p>palpation, percussion, auscultation); formulating a preliminary diagnosis and drawing up a plan for laboratory and instrumental examinations of the patient</p>
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				body in pathological processes; methods of laboratory and instrumental examinations for assessing the state of health, medical indications for conducting investigations, rules for interpreting their results		
16.	PC-6	Able to send a patient to laboratory, instrumental examination, to a consultation with specialist doctors if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on providing medical care taking into account the standards of medical care, and also refer the patient for providing specialized medical care in an inpatient setting or in a day hospital if there are medical indications in accordance with the current procedures for the medical care	IPC 6.1 Knows: general issues of organizing medical care for the population, methods of laboratory and instrumental studies to assess the state of health, medical indications for conducting studies, rules for interpreting their results; procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care IPC 6.2 Able to: justify the need and scope of laboratory examination of the patient; justify the need and scope of instrumental examination of the patient; justify the need to refer the patient for consultations to specialist doctors; determine medical indications for the provision of an ambulance, including other specialized ambulance, medical care	general issues of organizing medical care for the population, methods of laboratory and instrumental examinations to assess the state of health, medical indications for conducting examinations, rules for interpreting their results; procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, standards of medical care	justify the need and scope of laboratory examination of the patient; justify the need and scope of instrumental examination of the patient; justify the need to refer the patient for consultations with specialist doctors; determine medical indications for the provision of emergency, including emergency specialized, medical care	referral of a patient for laboratory examination if there is a medical indication in accordance with the current procedures for the provision of medical care, clinical guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; referral of a patient for an instrumental examination if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations and (treatment protocols) on the provision of

		delivery, clinical recommendations (treatment protocols) on the medical care delivery taking into account the standards of medical care				medical care, taking into account the standards of medical care; referral of a patient for a consultation with specialist doctors if there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of medical care: referral of a patient for specialized other medical care in an inpatient setting or in a day hospital setting, if medically indicated, in accordance with the current procedures for the provision of medical care, clinical guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of care
17.	PC-7	Able to: make a differential diagnosis with other diseases/conditions including emergencies,	IPC 7.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and	etiology, pathogenesis and pathomorphology, clinical aspect, differential	analyze the results of the patient's examination, if necessary, justify and plan the	differential diagnosis with other diseases/conditions, including emergencies: diagnosis based

		<p>establish a diagnosis taking into account the current international statistical classification of diseases and related health problems (ICD)</p>	<p>outcomes of diseases of internal organs; methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; ICD IPC 7.2 Able to: analyze the results of the patient's examination, if necessary, justify and plan the amount of additional research; interpret the results of collecting information about the patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret data obtained during consultations of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases</p>	<p>diagnosis, clinical features, complications and outcomes of diseases of internal organs; methods of laboratory and instrumental examinations for assessing the state of health, medical indications for conducting examinations, rules for interpreting their results; ICD</p>	<p>scope of additional examinations; interpret the results of collecting information about the patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret the data obtained during consultations of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases</p>	<p>on the current international statistical classification of diseases and related health problems (ICD)</p>
18.	PC-8	<p>Able to: develop a treatment plan for a disease or condition and prescribe medicine, medical devices, therapeutic nutrition and non-drug treatment taking into account the diagnosis, age and clinical picture in accordance with current procedures for the medical care delivery, clinical recommendations (treatment protocols) on the</p>	<p>IPC 8.1 Knows: modern methods of using medicines, medical devices and clinical nutrition for diseases and conditions in a patient in accordance with the current procedures for the provision of medical care, clinical recommendations and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; mechanism of action of drugs medical products and medical nutrition, medical</p>	<p>modern methods of using medicines, medical devices and therapeutic nutrition in diseases and conditions of the patient in accordance with the current procedures for medical care, clinical recommendations (treatment</p>	<p>draw up a treatment plan for the disease and the patient's condition taking into account the diagnosis, the patient's age, the clinical picture of the disease in accordance with the current procedures for providing medical care,</p>	<p>development of a treatment plan for a disease or condition, taking into account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical guidelines and (treatment protocols) on the provision of medical care,</p>

		<p>provision of medical care taking into account the standards of medical care and to evaluate the effectiveness and safety of the use of medicines, medical devices, therapeutic nutrition and other methods of treatment</p>	<p>indications and contraindications to their use; complications caused by their use; modern methods of non-drug treatment of diseases and conditions in a patient 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; mechanism of action of non-drug treatment; medical indications and contraindications to its appointment; side effects, complications caused by its use IPC 8.2 Able to: draw up a treatment plan for the disease and the patient's condition, taking into account the diagnosis, the age of the patient, the clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe medicines, medical devices and therapeutic nutrition, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care clinical guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe non-pharmacological treatment taking into</p>	<p>protocols) on the provision of medical care taking into account the standards of medical care; the mechanism of action of medicines, medical devices and therapeutic nutrition, medical indications and contraindications to their use; complications caused by their use; modern methods of non-drug treatment of diseases and conditions of the patient in accordance with current medical care procedures, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; action mechanism of non-drug treatment; medical indications and contraindications to its prescription; side effects, complications caused by</p>	<p>clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe medications, medical devices and therapeutic nutrition taking into account the diagnosis, age and clinical picture of the disease in accordance with the current medical care procedures, clinical recommendations (treatment protocols) on the provision of medical care; prescribe non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current medical care procedures, clinical recommenda</p>	<p>taking into account the standards of medical care: prescribing drugs, medical devices and clinical nutrition considering the diagnosis, age and clinical presentation of the disease and in accordance with the current procedures for the provision of medical care. clinical guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of care: prescribing non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendations and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; assessment of the effectiveness and safety of the use of medicines,</p>
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			account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; evaluate the effectiveness and safety of the use of medicines, medical devices and clinical nutrition	its use	tions (treatment protocols) on issues related to the provision of medical care taking into account the standards of medical care; evaluate the effectiveness and safety of the use of medicines, medical devices and therapeutic nutrition	medical devices, clinical nutrition and other methods of treatment
19.	PC-9	Able to provide palliative care in cooperation with specialist doctors and other medical professionals	IPC 9.1 Knows how to provide palliative care IPC 9.2 Able to: Prescribe medicines, medical devices and nutritional therapy, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe non-drug treatment, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; evaluate the effectiveness and safety of the use of medicines, medical devices and clinical nutrition	the procedure for providing palliative care	prescribe medicines, medical devices and therapeutic nutrition taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; prescribe non-drug treatment taking into account the diagnosis, age and clinical	provision of palliative care in cooperation with medical specialists and other medical workers

					<p>picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; evaluate the effectiveness and safety of the use of medicines, medical devices and medical nutrition</p>	
20.	PC-11	<p>Able to carry out an examination of temporary disability and work as a part of a medical commission carrying out an examination of temporary disability</p>	<p>IPC 11.1 Knows: the procedure for the examination of temporary disability and the signs of a patient's temporary disability; rules for processing and issuing medical documents when referring patients to provide specialized other medical care, to sanatorium and resort treatment. for medical and social examination IPC 11.2 Able to: identify signs of temporary disability and signs of persistent impairment of body functions due to diseases, consequences of injuries or defects</p>	<p>the procedure for the examination of temporary disability and signs of temporary disability of the patient; the rules for registration and issue of medical documents when referring patients for specialized medical care, sanatorium treatment, medical and social examination</p>	<p>identify signs of temporary disability and signs of persistent impairment of body functions caused by diseases, the consequences of injuries or defects</p>	<p>referral of a patient with a permanent impairment of body functions due to diseases, consequences of injuries or defects, for a medical and social examination Conducting an examination of temporary disability and working as part of a medical commission, they carry out an examination of temporary disability Preparation of the necessary medical documentation for the implementation</p>

						of a medical and social examination in federal state institutions of medical and social expertise
21.	PC-22	Able to: maintain medical records, also in the electronic form in the MIS	IPC 22.1 Knows: legislation in the Russian Federation in the field of health care, regulatory legal acts and other documents that determine the activities of medical organizations and medical workers: rules for working in information systems and information telecommunication network "Internet"; rules for issuing medical documentation in medical organizations providing medical care on an outpatient basis, including at home when a medical worker is called IPC 22.2 Able to: fill in medical documentation, including in electronic form; work with personal data of patients and information constituting a medical secret; use in professional activities information systems and information telecommunications network "Internet"	the legislation of the Russian Federation in the field of health protection, regulatory legal acts and other documents defining the activities of medical organizations and medical workers; rules for working in information systems and information and telecommunications network "the Internet"; rules for registration of medical documentation in medical organizations providing outpatient medical care including medical worker's home visits	fill out medical documentation including in the electronic form in MIS; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommunication network, the Internet, in professional activities	maintaining medical records, including in electronic form
22.	PC-23	Able to provide internal quality control and safety of medical activities within the scope of official duties and control of the performance of official duties by a	IPC 23.1 Knows: monitoring the performance of duties by a district nurse and other medical workers at their disposal; organization of medical care in medical organizations providing medical care on an outpatient basis,	control over the performance of official duties by a district nurse and other medical workers at their disposal;	monitor the performance of official duties by a district nurse and other medical workers at their disposal	monitoring the performance of duties by the district nurse and other medical workers at the disposal

		district nurse and other medical workers	including at home when a medical worker is called IPC 23.2 Knows how to: monitor the performance of duties by a district nurse and other in disposal of medical workers	organization of medical care in medical organizations providing outpatient medical care including medical worker's home visits		
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4. Volume of the academic discipline and types of academic work

Total labor intensity of the discipline is 6 CU (216 AH)

Type of educational work	Labor intensity		Labor intensity (AH) in semesters			
	volume in credit units (CU)	volume in academic hours (AH)	7	8		
Classroom work, including						
Lectures (L)	0,7	26	16	10		
Laboratory practicum (LP)*						
Practicals (P)	2,3	82	48	34		
Seminars (S)						
Student's individual work (SIW)	2	72	44	28		
Mid-term assessment						
credit/exam (<i>specify the type</i>)	1	36		36		
TOTAL LABOR INTENSITY	6	216	108	108		

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

№	Competence code	Section name of the discipline
1.	UC- 1,2,3,9 GPC- 1,2,4, 5,7,8 PC-1,2,3, 4, 5, 6, 7, 8, 9, 11, 22, 23	Surgical clinic
2.	UC- 1,2,3,9 GPC- 1,2,4, 5,7,8 PC-1,2,3, 4, 5, 6, 7, 8, 9, 11, 22, 23	Abdominal Surgery
3.	UC- 1,2,3,9 GPC- 1,2,4, 5,7,8 PC-1,2,3, 4, 5, 6, 7, 8, 9, 11, 22, 23	Thoracic Surgery

4.	UC- 1,2,3,9 GPC- 1,2,4, 5,7,8 PC-1,2,3, 4, 5, 6, 7, 8, 9, 11, 22, 23	Rectal Surgery
5.	UC- 1,2,3,9 GPC- 1,2,4, 5,7,8 PC-1,2,3, 4, 5, 6, 7, 8, 9, 11, 22, 23	Varicose veins of the lower extremities
6.	UC- 1,2,3,9 GPC- 1,2,4, 5,7,8 PC-1,2,3, 4, 5, 6, 7, 8, 9, 11, 22, 23	Thyroid diseases
7.	UC- 1,2,3,9 GPC- 1,2,4, 5,7,8 PC-1,2,3, 4, 5, 6, 7, 8, 9, 11, 22, 23	Credit classes