

Summary of the working program of the academic discipline

«GENERAL 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-8, GPC-1, GPC-4, GPC-6, GPC-7, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, PC-8, PC-15, PC-22

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-8	Able to: create and maintain safe living conditions in everyday and professional life for the preservation of the natural environment, ensuring sustainable development of society, including in the case of a threat and occurrence of emergency situations and military conflicts	IUC 8.1 Knows: factors of harmful influence on vital activity; algorithms of actions in case of emergencies and military conflicts; workplace safety rules IUC 8.2 Can: identify dangerous and harmful factors in the framework of ongoing activities, create and maintain safe living conditions in everyday life and in professional activities IUC 8.3 has practical experience: participation in planned exercises to develop rules of conduct in case of emergencies, first aid: complies with safety regulations at the workplace	factors of harmful influence on vital activity; algorithms of actions in case of emergencies and military conflicts	identify dangerous and harmful factors within the framework of its activities, create and maintain safe living conditions in everyday and professional life	Has practical experience in: participation in planned exercises to work out the rules of conduct in case of emergencies, first aid; complies with safety regulations at the workplace
2.	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	basics of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects	apply ethical norms and principles of behavior of a healthcare worker in the performance of their professional	Has practical experience in: solving standard problems of professional activity based on ethical norms and deontological

			<p>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</p> <p>observe moral and legal norms in professional activities; 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>	of medical practice	<p>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 representatives)</p>	<p>principles when interacting with colleagues and patients (their legal representatives) , knowledge of the legal aspects of medical practice</p>
3.	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</p>	<p>the methodology of collecting anamnesis of life and diseases, complaints of patients (their legal representatives);</p>	<p>collect complaints, anamnesis of life and disease of patients (their legal representatives), identify risk factors and causes of</p>	<p>Has practical experience in: collecting complaints, anamnesis of life and disease of patients (their legal representatives) , identifying risk factors and causes of</p>

			<p>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 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</p>	<p>examination procedure; and physical examination; clinical aspect, methods of diagnosis of the most common diseases; methods of laboratory and instrumental investigations 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</p>	<p>diseases; apply methods of examination and physical survey of patients; interpret the results of examination and physical examination of patients; diagnose the most 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</p>	<p>disease development; examination and physical survey of patients; diagnosis of the most common diseases; identification of risk factors for major oncological diseases; 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);</p>
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		<p>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 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</p>	<p>medical care</p>	<p>medical care, clinical recommendations, taking into account the standards of medical care; refer patients for consultations to medical specialists in accordance with the procedures 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</p>	<p>differential diagnosis 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 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>the most common diseases; identification of risk factors for major cancers; I formulated a preliminary diagnosis, drawing up a plan for conducting instrumental puff. laboratory, additional research, consultations of medical specialists; referral of patients for instrumental, laboratory, additional studies, consultations of specialist doctors in 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>medical care in an urgent form; use medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p>	
4.	GPC-6	<p>Able to: organize patient care, provide primary health care, ensure the organization of</p>	<p>IGPC 6.1 Knows: the methodology for collecting complaints and anamnesis from patients (their legal representatives);</p>	<p>methods of collecting complaints and anamnesis of</p>	<p>recognize conditions that require healthcare delivery in</p>	<p>6.3 Has practical experience in: assessing the condition requiring</p>

		<p>work and professional decision-making in case of medical emergency on the prehospital stage, in the conditions of emergency situations, epidemics and in centers of mass destruction</p>	<p>methods of physical examination of patients (examination, palpation, percussion, auscultation); principles and methods of providing medical care to patients in emergencies, in emergency situations, epidemics and in areas of mass destruction in accordance with the procedures for providing medical care, clinical recommendations and, taking into account the standards of medical care; clinical signs of major medical emergencies; principles of medical evacuation in emergency situations, epidemics and in the centers of mass destruction; principles of work in the centers of mass destruction; principles of organization of patient care, provision of primary health care IGPC 6.2 Able to: recognize conditions requiring emergency medical care, including in emergency situations, epidemics and in areas of mass destruction, requiring emergency medical care; organize the work of medical personnel in emergency situations, in emergency situations, epidemics and in the centers of mass destruction; provide emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death (stopping vital functions of the human body (blood circulation and (or) respiration); use medicines and medical devices in the provision of medical care in emergency conditions;</p>	<p>patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); principles and methods of medical care delivery to patients in urgent conditions, in emergency situations, epidemics and in centers of mass destruction in accordance with the procedures for providing medical care, clinical recommendations taking into account the standards of medical care; clinical signs of major emergency conditions; principles of medical evacuation in emergency situations, epidemics and in centers of mass destruction; principles of work in centers of mass destruction; principles of organization</p>	<p>an emergency form, including in the conditions of emergencies, epidemics and in the centers of mass destruction, requiring medical assistance in an emergency form; organize the work of medical personnel in emergency situations, epidemics and in centers of mass destruction; provide emergency medical care to patients in conditions that pose a threat to the life of patients, including (blood circulation and (or) respiration); use medicines and medical products when providing medical care in emergency conditions; perform basic cardiopulmonary resuscitation; use personal protective</p>	<p>healthcare delivery in an emergency form, including in emergency situations, epidemics and in the centers of mass destruction; definition of life-threatening conditions, including the state of clinical death (arrest of vital important functions of the human body (blood circulation and (or) breathing) requiring medical care in the emergency form; medical care delivery in emergency form to patients in conditions, constituting life-threatening situations including clinical death (arrest of vital functions of human body (blood circulation and (or) respiration); the use of medicines and medical products in the provision of medical care in case of emergency conditions and epidemics; use of personal protective equipment; organization of patient care, first aid measures</p>
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			<p>perform basic cardiopulmonary resuscitation; use personal protective equipment: organize patient care, provide primary health care</p> <p>IGPC 6.3 Has practical experience in: assessing a condition requiring emergency medical care, including in emergency situations, epidemics and in areas of mass destruction; recognition of conditions that pose a threat to life, including the state of clinical death (stoppage of vital functions of the human body (blood circulation and (or) respiration), requiring emergency medical care; emergency medical care form patients under conditions that pose a threat to the life of patients, including clinical death (stopping the vital functions of the human body (blood circulation and (or) respiration); the use of drugs and medical devices in the provision of medical care in emergency conditions and epidemics; personal protective equipment, organization of patient care, provision of primary health care</p>	<p>of patient care, first aid treatment</p>	<p>equipment; organize patient care, provide primary health care</p>	
5.	GPC-7	<p>Able to prescribe treatment and monitor its effectiveness and safety</p>	<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</p>	<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</p>	<p>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;</p>	<p>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;</p>

			<p>reactions, including serious and unforeseen; 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 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</p>	<p>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</p>	<p>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>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 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</p>
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			<p>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, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life in an emergency</p>			<p>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, 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</p>
6.	PC-1	Able to assess the condition of a patient requiring medical treatment in the emergency form	<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</p>	<p>etiology, pathogenesis and pathomorphology, clinical aspect, differential diagnosis, clinical features, complications and outcomes of diseases of internal</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>

			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 of a patient requiring medical care in emergency or emergency forms	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 of patients requiring medical care in the emergency form		
7.	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	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	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 representativ	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

		human body (blood circulation and/or respiration), requiring the provision of emergency medical care	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	es); methods of physical examination of patients (examination , palpation, percussion, auscultation) ; a list of methods of laboratory and instrumental investigations to assess the patient's condition, the main medical indications for conducting research and interpreting the results; clinical signs of sudden cessation of blood circulation and/ or respiration		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 of the human body (blood circulation and/or respiration)
8.	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)

9.	PC-4	Able to use medicines and medical devices for providing medical care in emergency forms	<p>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</p> <p>IPC 4.2 Able to: perform measures to provide medical care in urgent and emergency forms; basic cardiopulmonary resuscitation in combination with electrical impulse therapy (defibrillation)</p>	<p>modern methods of using medicines, medical devices for diseases and conditions 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 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</p>	<p>prescribe medicines, medical devices 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 medical care delivery in emergency or urgent forms</p>	<p>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)</p>
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				sudden cessation of blood circulation and / or respiration		
10.	PC-5	Able to collect complaints, anamnesis of the patient's life and illness, conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation), formulate a preliminary diagnosis and draw up a plan for laboratory and instrumental examinations of the patient	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; 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,	the legislation of the Russian Federation in the field of health care, regulations and other documents that 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	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 incl. modern digital technologies	collection of complaints, anamnesis of life and disease of the patient; a complete physical examination of the patient (examination, palpation, percussion, auscultation); formulating a preliminary diagnosis and drawing up a plan for laboratory and instrumental examinations of the patient

			auscultation) and interpret its results; determine the sequence of volume, content and sequence of diagnostic measures	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 examinations for assessing the state of health, medical indications for conducting investigations, rules for interpreting their results		
11.	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	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, standards 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	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	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	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

		<p>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 delivery, clinical recommendations (treatment protocols) on the medical care delivery taking into account the standards of medical care</p>	<p>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</p>	<p>provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, standards of medical care</p>	<p>indications for the provision of emergency, including emergency specialized, medical care</p>	<p>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 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</p>
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						guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of care
12.	PC-8	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 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	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 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 use; 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	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 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	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, 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,	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, 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

			<p>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 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</p>	<p>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 its use</p>	<p>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 picture of the disease in accordance with the current medical care procedures, clinical recommendations (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</p>	<p>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, medical devices, clinical nutrition and other methods of treatment</p>
13.	PC-15	<p>Able to: organize and conduct medical examinations taking into account age, health status, profession in accordance with applicable</p>	<p>IPC 15.1 Knows: regulatory legal acts and other documents regulating the procedures for conducting medical examinations, medical examinations and dispensary observation; list of medical</p>	<p>regulatory legal acts and other documents regulating the procedures for conducting medical</p>	<p>conduct medical examinations taking into account age, health condition, profession in accordance with</p>	<p>the appointment of preventive measures for patients, taking into account risk factors in accordance with the current procedures for the provision of</p>

		regulatory legal acts and other documents	specialists involved in medical examinations, medical examinations IPC 15.2 Able to: conduct medical examinations taking into account age, state of health, profession in accordance with the current regulatory legal acts and other documents	examinations , medical check-up and medical supervision; a list of specialist doctors involved in conducting medical examinations , medical check-up	applicable regulatory legal acts and other documents;	medical care. clinical recommendations and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; monitoring compliance with preventive measures; evaluation of the effectiveness of preventive work with patients
14.	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	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

				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)	5	6		
Classroom work, including						
Lectures (L)	0,7	24	14	10		
Laboratory practicum (LP)*						
Practicals (P)	2,3	84	40	44		
Seminars (S)						
Student's individual work (SIW)	2	72	36	36		
Mid-term assessment						
credit/exam (<i>specify the type</i>)	1	36		36		
TOTAL LABOR INTENSITY	6	216	90	96		

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

No	Competence code	Section name of the discipline
1.	UC-8, GPC- 1,4, 6,7 PC-1,2,3, 4, 5, 6, 8, 9, 15, 22	Introduction to surgery
2.	UC-8, GPC- 1,4, 6,7 PC-1,2,3, 4, 5, 6, 8, 9, 15, 22	General questions of surgery
3.	UC-8, GPC- 1,4, 6,7 PC-1,2,3, 4, 5, 6, 8, 9, 15, 22	Emergency conditions in surgery
4.	UC-8, GPC- 1,4, 6,7 PC-1,2,3, 4, 5, 6, 8, 9, 15, 22	Fundamentals of surgery for purulent diseases
5.	UC-8, GPC- 1,4, 6,7 PC-1,2,3, 4, 5, 6, 8,	Fundamentals of injury surgery

	9, 15, 22	
6.	UC-8, GPC- 1,4, 6,7 PC-1,2,3, 4, 5, 6, 8, 9, 15, 22	Fundamentals of Clinical Surgery
7.	UC-8, GPC- 1,4, 6,7 PC-1,2,3, 4, 5, 6, 8, 9, 15, 22	Stages of treatment of surgical patients