

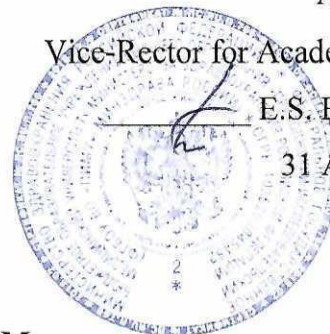
Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation

APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021



WORKING PROGRAM

Name of the academic discipline: **FACULTY SURGERY**

Specialty: **31.05.01 GENERAL MEDICINE**

Qualification: **GENERAL PRACTITIONER**

Department: **FACULTY OF SURGERY AND TRANSPLANTOLOGY**

Mode of study: **FULL-TIME**

Labor intensity of the academic discipline: **216 academic hours**

Nizhny Novgorod
2021

The working program has been developed in accordance with the Federal State Educational Standard for the specialty 31.05.01 GENERAL MEDICINE, approved by Order of the Ministry of Science and Higher Education of the Russian Federation No. 988 of August 12, 2020.

Developers of the working program:

Zagainov Vladimir Evgenievich, Doctor of Medical Sciences, Professor, Head of the Department of Faculty Surgery and Transplantology

The program was reviewed and approved at the department meeting (protocol No. 10, June 1, 2021)

Head of the Department,
MD, Professor Zagainov V. E.



(print name)

(signature)

__ June, 1 _____ 2021

AGREED

Deputy Head of EMA ph.d. of biology _____ Lovtsova L.V.

(signature)

__ June, 1 _____ 2021

1. The purpose and objectives of mastering the academic discipline formation in students theoretical and practical knowledge and skills to diagnose surgical diseases, determine the methods of their treatment and prevention, the formation of the foundations of clinical thinking in the future specialist.

1.1. The purpose of mastering the discipline: (*participation in forming the relevant competencies*).

- Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy (UC-1)
- Able to manage the project at all stages of its life cycle (UC-2)
- Able to organize and manage the work of the team, developing a team strategy to achieve the goal (UC-3)
- Able to use basic defectological knowledge in social and professional spheres (UC-9)
- Able to implement moral and legal norms, ethical and deontological principles in professional activities (GPC-1)
- 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 (GPC-2)
- Able to apply medical products, provided by the order of healthcare delivery, as well as examine patients for the purpose of determining the diagnosis (GPC-4)
- Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems (GPC-5)
- Able to prescribe treatment and monitor its effectiveness and safety (GPC-7)
- 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 (GPC-8)
- Able to assess the condition of a patient requiring medical treatment in the emergency form (PC -1)
- 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 (PC-2)
- 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) (PC-3)
- Able to use medicines and medical devices for providing medical care in emergency forms (PC-4)
- 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 (PC-5)
- 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 delivery, clinical recommendations (treatment protocols) on the medical care delivery taking into account the standards of medical care (PC-6)
- Able to: make a differential diagnosis with other diseases/conditions including emergencies, establish a diagnosis taking into account the current international statistical

classification of diseases and related health problems (ICD) (PC-7)

- 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 (PC-8)

- Able to provide palliative care in cooperation with specialist doctors and other medical professionals (PC-9)

- 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 (PC-11)

- Able to: maintain medical records, also in the electronic form in the MIS (PC-22)

- 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 district nurse and other medical workers (PC-23)

1.2. Tasks of the discipline:

As a result of completing the discipline, the student should

Know:

- Socially significant problems and processes in the field of clinical sciences, the history of surgery

- Etiology and pathogenesis of surgical diseases

- Modern international classification and clinical picture of surgical diseases, differential diagnostic symptoms

- Diagnosis algorithm

- Modern technologies and diagnostic methods: clinical, laboratory, instrumental, imaging and others

- Modern principles and methods of treatment of surgical diseases, indications and contraindications for surgical interventions

- Prevention of surgical diseases

Be able to:

- To carry out their activities taking into account the moral and legal norms accepted in society, the ethical and deontological aspects of medical activity

- Conduct a comprehensive physical examination of the patient

- Analyze and interpret the results of clinical and laboratory-instrumental examination of patients in order to make a diagnosis in surgical diseases

- Prescribe adequate treatment (medical and surgical) for patients in accordance with the diagnosis

- Provide surgical patients with first aid in case of emergency

- Work with medical records (medical history, certificate, referral to a specialist consultation, diagnostic centers, etc.)

- Carry out preventive measures to prevent the most common surgical diseases and give recommendations on the formation of a healthy lifestyle

- Work with scientific and medical literature

- Publicly deliver a report, lead a discussion and debate

Possess:

- Proper possession of medical records

- Communication skills with the patient, taking into account ethics and deontology,

depending on the identified pathology and the characterological characteristics of the patient

- Methods of general clinical examination of surgical patients
- Algorithms for the detailed clinical diagnosis of surgical diseases
- The main therapeutic measures to provide first aid to patients with a surgical profile

2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization.

2.1. The discipline Faculty Surgery refers to the core part of Block 1 of GEP HE, Specialty 31.05.01 General Medicine

The discipline is taught in _7 and 8___ semester/_4__ year of study.

2.2. The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:

1. Pathological anatomy
2. Pathological physiology
3. Topographic anatomy and operative surgery
4. Propaedeutics of internal diseases
5. Radiation diagnostics, oncology

2.3. Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines:

1. Hospital surgery
2. Anesthesiology and intensive care

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

Mastering the discipline aims at acquiring the following universal (UC) and general professional (GPC) 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	methods of critical analysis and evaluation of modern scientific achievements ; 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	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

			<p>experience</p> <p>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</p>		<p>action, experiment and experience</p>	
2.	UC-2	Able to manage the project at all stages of its life cycle	<p>IUC 2.1 Knows: methods of presenting and describing the results of project activities; methods, evaluation and evaluation of the results 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</p>	<p>methods for presenting and describing the results of project activities; methods, criteria and parameters for evaluating the results of project implementation; principles, methods and requirements for the project work</p>	<p>prove practical and theoretical significance of the results obtained; check and 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>Has practical experience in: project management in the field relevant to professional 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>

			<p>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, 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!!</p> <p>number of steps to achieve this result; predict problem situations and risks in project activities.</p> <p>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,</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 implementati	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

			<p>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: participation in the development of a team work strategy; participation in team work, distribution of roles in the conditions of team interaction</p>	<p>on of professional activities; organizational behavior models, factors of formation of organizational relationships; strategies and principles of teamwork, the main characteristics of the organizational climate and interaction of people in the organization</p>		
4.	UC-9	Able to use basic defectological knowledge in social and professional spheres	<p>IUC 9.1 Knows: the basics of defectology</p> <p>IUC 9.2 Able to: establish effective communication and create a tolerant environment when working with people with disabilities and people with disabilities</p> <p>IUC 9.3 Имеет практический опыт: медико- социальной и организационной поддержки (сопровождения) лиц с ограниченными возможностями здоровья и инвалидов при получении ими медицинской помощи</p>	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	<p>IGPC 1.1 Knows: basics of medical ethics and deontology; fundamentals of legislation in the field of health care; legal aspects of medical practice</p> <p>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;</p>	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;	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

			<p>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;</p> <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</p> <p>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>		<p>apply the rules and norms of interaction between a doctor and colleagues and patients (their legal representatives)</p>	<p>practice</p>
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</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</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;</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</p>

			<p>most common diseases; basics of preventive medicine: planning and implementing community prevention programs for the most common diseases IGPC 2.2 Able to: conduct sanitary and hygienic education among children and 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 IGPC 2.3 Has practical experience in: promotion of a healthy lifestyle and prevention of the most common</p>	<p>sanitary and hygienic education among patients (their legal representatives), medical 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>carry out sanitary and educational work among children and adults with the aim of forming the healthy lifestyle and 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</p>	<p>and improving the level of somatic health; formation of healthy lifestyle programs, including alcohol and tobacco consumption reduction 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>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 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>taking into account risk factors for prevention and early detection of diseases including cancer; carry out non-drug 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</p>	<p>the methodology of collecting anamnesis of life and diseases, complaints of patients (their legal representatives); examination procedure; and physical examination; clinical aspect,</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</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</p>

			<p>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 and additional studies in accordance with the current procedures for the provision of medical care, clinical</p>	<p>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 medical care</p>	<p>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 medical care, clinical recommendations, taking into account the standards of medical care; refer patients for consultations</p>	<p>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); differential diagnosis of diseases; recognition of conditions</p>
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		<p>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 the most common diseases; identification of risk factors for major cancers; I formulated a preliminary diagnosis, drawing up a plan for</p>		<p>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 medical care in an urgent form; use medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on</p>	<p>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>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>the provision 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</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</p>

			and pathological processes in the human body IGPC 5.3 Has practical experience: assessment of basic morphofunctional data, physiological states and pathological processes in the human body when solving professional problems			problems
9.	GPC-7	Able to prescribe treatment and monitor its effectiveness and safety	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 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 IGPC 7.3 Has practical experience in: developing a treatment	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

			<p>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 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</p>			<p>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 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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			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			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 medical 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 IGPC 8.2 Able to:	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 of medical rehabilitation , clinical recommendations taking	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 rehabilitation , clinical recommendations taking	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 recommendations, taking into account the standards of

			<p>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 rehabilitation, clinical</p>	<p>ions 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>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>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>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 of a patient requiring</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 instrumental research methods for</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>

			medical care in emergency or emergency forms	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 condition, the main medical indications for conducting research and	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 of the human body (blood circulation and/or respiration)

				interpreting the results; clinical signs of sudden cessation of 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 forms; basic cardiopulmonary resuscitation in combination with electrical impulse therapy (defibrillation)	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	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	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)

				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	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, palpation, percussion, auscultation), formulate a preliminary diagnosis and draw up a plan for laboratory and instrumental examinations of the	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,	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	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,	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

		<p>patient</p>	<p>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>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 body in pathological processes; methods of laboratory and instrumental examinations for assessing the state of health, medical indications for conducting investigations, rules for</p>	<p>content and sequence of diagnostic measures incl. modern digital technologies</p>	
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				interpreting their results		
16.	PC-6	<p>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 delivery, clinical recommendations (treatment protocols) on the medical care delivery taking into account the standards of medical care</p>	<p>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</p> <p>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</p>	<p>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</p>	<p>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</p>	<p>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 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</p>

						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, establish a diagnosis taking into account the current international statistical classification of diseases and related health problems (ICD)	IPC 7.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and 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	etiology, pathogenesis and pathomorphology, clinical aspect, differential 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;	analyze the results of the patient's examination, if necessary, justify and plan the 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	differential diagnosis with other diseases/conditions, including emergencies: diagnosis based on the current international statistical classification of diseases and related health problems (ICD)

			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	ICD	data obtained during consultations of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases	
18.	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; complications caused by its use IPC 8.2 Able to: draw up a treatment plan for the disease and the patient's condition,	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	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	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:

			<p>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 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>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 its use</p>	<p>procedures, 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>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, medical devices, clinical nutrition and other methods of treatment</p>
19.	PC-9	<p>Able to provide palliative care in cooperation with specialist doctors and other medical professionals</p>	<p>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</p>	<p>the procedure for providing palliative care</p>	<p>prescribe medicines, medical devices and therapeutic nutrition taking into account the diagnosis, age and clinical picture of the</p>	<p>provision of palliative care in cooperation with medical specialists and other medical workers</p>

			<p>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</p>		<p>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 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</p>	<p>IPC 11.1 Knows: the procedure for the examination of temporary disability and the signs of a patient's temporary disability;</p>	<p>the procedure for the examination of temporary disability and</p>	<p>identify signs of temporary disability and signs of persistent impairment</p>	<p>referral of a patient with a permanent impairment of body functions due to diseases,</p>

		commission carrying out an examination of 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	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	of body functions caused by diseases, the consequences of injuries or defects	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 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	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 telecommunication network "the Internet"; rules for registration of medical documentation in medical organizations	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

			information systems and information telecommunications network "Internet"	providing outpatient medical care including medical worker's home visits		
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 district nurse and other medical workers	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, 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	control over the performance of official duties by a district nurse and other medical workers at their disposal; organization of medical care in medical organizations providing outpatient medical care including medical worker's home visits	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

4. Sections of the academic discipline and competencies that are formed when mastering them

№	Competence code	Section name of the discipline	The content of the section in teaching units
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	Surgical schools, the structure and principles of operation of the surgical departments of the clinic, deontological foundations in surgery, surgical documentation, etc.
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	Acute and chronic appendicitis, cholelithiasis, acute cholecystitis, acute pancreatitis, acute intestinal obstruction, abdominal hernia, acute peritonitis, complicated gastric and duodenal ulcer
3	UC-1,2,3,9 GPC-	Thoracic Surgery	Surgical diseases of the lungs: acute and chronic suppurative diseases of the lungs, acute and chronic diseases of the pleura, lung cancer, pulmonary bleeding, spontaneous pneumothorax; Surgical diseases of

	1,2,4, 5,7,8 PC-1,2,3, 4, 5, 6, 7, 8, 9, 11, 22, 23		the esophagus: achalasia of the cardia, cancer of the esophagus
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	Acute and chronic diseases of the rectum, rectal cancer
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	Uncomplicated varicose veins of the lower extremities, surgical treatment; complicated varicose veins of the lower extremities (thrombophlebitis, bleeding, chronic venous insufficiency, acute thrombosis and vein embolism)
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	Simple and thyrotoxic goiter, thyroid cancer, methods for diagnosing thyroid pathology and methods of surgical treatment, intraoperative and postoperative complications
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	Test tasks, solving situational problems, oral interview, demonstration of practical skills in diagnosing surgical diseases

5. Volume of the academic discipline and types of academic work

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						
exam	1	36		36		

TOTAL LABOR INTENSITY	6	216	108	108		
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6. Content of the academic discipline

6.1. Sections of the discipline and types of academic work

№	Name of the section of the academic discipline	Types of academic work* (in AH)					
		L	LP	P	S	SIW	total
1	Surgical clinic			8		4	16
2	Abdominal Surgery	12		20		20	46
3	Thoracic Surgery	8		20		20	46
4	Rectal Surgery	2		16		10	30
5	Varicose veins of the lower extremities	2		4		8	14
6	Thyroid diseases	2		14		10	28
7	Exam						36
	TOTAL	26		82		72	216

* - L – lectures; LP – laboratory practicum; P – practicals; S – seminars; SIW – student's individual work.

6.2. Thematic schedule of educational work types:

6.2.1 Thematic schedule of lectures

№	Name of lecture topics	Volume in AH	
		semester 7	semester 8
1	Acute and chronic appendicitis, complications of acute appendicitis. Peritonitis.	2	
2	External abdominal hernias	2	
3	Cholelithiasis and its complications. Acute and chronic cholecystitis	2	
4	Acute pancreatitis	2	
5	Peptic ulcer of the duodenum and stomach. Surgery. Complications of peptic ulcer, surgical treatment of complications	2	
6	Acute intestinal obstruction	2	
7	Cardiospasm, achalasia of the cardia. Esophageal carcinoma	2	
8	Acute and chronic suppurative diseases of the lungs (abscess, lung gangrene, bronchiectasis). Acute and chronic pleural empyema	2	
9	Lung cancer		2
10	Spontaneous pneumothorax. Pulmonary bleeding		2
11	Benign diseases of the rectum. Rectal cancer		2
12	Varicose veins of the lower extremities		2
13	Surgical diseases of the thyroid gland		2
	TOTAL (total - AH) 26		

6.2.2. The thematic plan of laboratory practicums

Curriculum not included.

6.2.3. Thematic plan of practicals

№	Name of the topics of practicals	Volume in AH	
		semester 7	semester 8
1	Introductory lesson: getting to know the clinic, working with patients, rules for writing a medical history	4	
2	Acute appendicitis. Complications of appendicitis	4	
3	Cholelithiasis. Acute and chronic cholecystitis	4	
4	External abdominal hernias. Hernia complications	4	
5	Acute intestinal obstruction	4	
6	Peptic ulcer of the stomach, duodenum. Surgery. Complications of peptic ulcer	4	
7	Acute pancreatitis	4	
8	Peritonitis	4	
9	Acute and chronic suppurative lung diseases (abscess, gangrene, bronchiectasis)	4	
10	Pleural empyema. Spontaneous pneumothorax	4	
11	Lung cancer. Pulmonary bleeding	4	
12	Diseases of the esophagus (achalasia of the esophagus, cancer)	4	
13	Surgical diseases of the rectum: hemorrhoids, proctitis, rectal fissure, rectal cancer		12
14	Thyroid diseases: simple and thyrotoxic goiter		12
15	Varicose veins of the lower extremities		10
16	Exam		36
	TOTAL (total - AH) 82+36 = 118 AH		

6.2.4. Thematic plan of seminars

Curriculum not included.

6.2.5. Types and topics of student's individual work (SIW)

№	Types and topics of SIW	Volume in AH	
		semester 7	semester 8
1	Working with literary and other sources of information on the section under study	14	8
2	The study of regulatory materials, including the results of clinical and biochemical analyzes of body fluids, the results of instrumental studies	14	8
3	Fulfillment of individual tasks provided for by the work program in the form of writing case histories	14	10
4	Testing	2	2
	TOTAL (total - AH) 72		

7. Types of assessment formats for ongoing monitoring and mid-term assessment

№	Types of control	Name of	Assessment formats
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	Se mes ter No.		section of academic discipline	Competence codes	types	number of test questions	number of test task options	
1.	7	Current monitoring	Control of mastering the topic	1. Principles and structures of the surgical hospital; surgical schools	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	Abstract writing. Presentation with a report. Writing a medical history. Entrance testing. Role and business games.	70 30	5 5
	8			2. Surgical diseases of the abdominal organs. 3. Surgical diseases of the organs of the chest cavity (lungs, esophagus). 4. Diseases of the rectum. 5. Diseases of the veins of the lower extremities. 6. Surgical diseases of the thyroid gland				
			Monitoring the student's individual work	1. Principles and structures of the surgical hospital; surgical schools	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	Test. Thematic testing. Solution of thematically situational problems. Role and business games.	50 20	9 9
			2. Surgical diseases of the abdominal organs. 3. Surgical diseases of the organs of the chest cavity (lungs, esophagus). 4. Diseases of the rectum. 5. Diseases of the veins of the lower extremities. 6. Surgical diseases of the thyroid gland					

2.	8	Mid-term assessment	Exam	1. Principles and structures of the surgical hospital; surgical schools 2. Surgical diseases of the abdominal organs. 3. Surgical diseases of the organs of the chest cavity (lungs, esophagus). 4. Diseases of the rectum. 5. Diseases of the veins of the lower extremities. 6. Surgical diseases of the thyroid gland	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	Exam ticket interview	3	27
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8. Educational, methodological and informational support for mastering the academic discipline (printed, electronic publications, the Internet and other network resources)

8.1. Key literature references

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1	General surgery: textbook / V. K. Gostishchev. - 5th ed., revised. and additional - M.: GEOTAR-Media, 2015.	1	30
2	General surgery: textbook / Petrov S.V. - 4th ed., revised. and additional - M.: GEOTAR-Media, 2012.	1	30
3	Operative surgery: a textbook on manual skills / ed. A. A. Vorobiev, I. I. Kagan. - M.: GEOTAR-Media, 2015.	1	30
4	Surgical diseases. Volume 1: textbook / Ed. V.S. Savelyeva, A.I. Kirienko - M.: GEOTAR-Media, 2009.	1	30
5	Surgical diseases. Guide to practical exercises: textbook / Ed. A.F. Chernousov. - M.: GEOTAR-Media, 2012.	1	30
6	Medical diagnostic methods: textbook / Kukes V.G., Marinina V.F. etc. - M.: GEOTAR-M	1	30

8.2. Further reading

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1	Military field surgery: hands. to pract. occupations / Ed. M.V. Lysenko - M.: GEOTAR-Media, 2010	1	30

2	Military field surgery of local wars and armed conflicts: a guide / Ed. E.K. Gumanenko, I.M. Samokhina - M.: GEOTAR-Media, 2011	1	30
3	Topographic anatomy and operative surgery In 2 vols. Vol. 1: textbook / ed. I.I. Kagan, I. D. Kirpatovsky - M.: GEOTAR-Media, 2013	1	30
4	Surgical diseases and injuries in general medical practice / Sukovatykh B.S., Sumin S.A., Gorshunova N.K. - M. : GEOTAR-Media, 2013	1	30
5	History of medicine and surgery / Mirsky M.B. - M.: GEOTAR-Media, 2010.	1	30

8.3. Electronic educational resources for teaching academic subjects

8.3.1. Internal Electronic Library System of the University (IELSU)

№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
	Internal Electronic Library System of the University (IELSU)	Proceedings of PIMU staff (textbooks, manuals, collections of tasks, methodological manuals, laboratory work, monographs, etc.)	Access by individual login and password from any computer and mobile device	Not limited

8.3.2. Electronic educational resources acquired by the University

№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1	Database "Medicine. Healthcare (VO) and "Medicine. Healthcare (SPO)" as part of the database "Electronic library of a technical university (ELS "Student Consultant"	Textbooks and teaching aids for higher medical and pharmaceutical education	Access by individual login and password from any computer and mobile device	Not limited
2	Database «Doctor's Consultant. Electronic Medical Library»	National guidelines, clinical guidelines, textbooks, monographs, atlases, reference books, etc.	Access by individual login and password from any computer and mobile device	Not limited
3	Database "Electronic Library System "Bukap"	Educational and scientific medical literature of Russian publishing houses, incl. translated editions. The collection of subscription publications is formed point by point.	Access by individual login and password from any computer and mobile device	Not limited
4	Electronic periodicals in the database "SCIENTIFIC ELECTRONIC LIBRARY eLIBRARY"	Electronic medical journals	Access - from the computers of the university	Not limited

8.3.3 Open access resources

№	Name of the electronic resource	Brief description (content)	Access conditions
1	EBS "Urayt". Access mode: http://biblio-online.ru .	Textbooks and teaching aids for higher medical and pharmaceutical education	Not limited
2	EBS "Student Advisor". Access mode: http://www.studentlibrary.ru .	Textbooks and teaching aids for higher medical and pharmaceutical education	Not limited
3	EBS "Lan". Access mode: http://e.www.lanbook.com/ .	Textbooks and teaching aids for higher medical and pharmaceutical education	Not limited
4	EBS "Znanium.com". Access mode: www.znanium.com .	Textbooks and teaching aids for higher medical and pharmaceutical education	Not limited

9. Material and technical support for mastering an academic discipline

9.1. List of premises for classroom activities for the discipline

1. Lecture hall
2. Study rooms (5)
3. Departments of a clinical hospital with wards for patients (two surgical departments with 30 beds each)
 4. Reception department for emergency and planned patients
 5. Operating block with intensive care and intensive care units
 6. Treatment and dressing rooms
 7. Diagnostic departments and offices: radiation diagnostics, ultrasound, endoscopic department, laboratory departments, blood transfusion department

9.2. List of equipment for classroom activities for the discipline

1. Surgical instruments, devices, high-tech equipment (bases of the department)
2. Multimedia complex (laptop, projector, screen)
3. Kodascope
4. PC with Internet access
5. Sets of slides, tables, multimedia visual materials, videos on the topics of lectures and practical exercises

9.3. A set of licensed and freely distributed software, including domestic production

Item no.	Software	number of licenses	Type of software	Manufacturer	Number in the unified register of Russian software	Contract No. and date
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovich	1960	2471/05-18 from 28.05.2018
2	MyOffice is Standard. A corporate user license for educational	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	283	without limitation, with the right to receive updates for 1

	organizations, with no expiration date, with the right to receive updates for 1 year.					year.
3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscription	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the Ministry of Health of Russia	170	Office Application	Microsoft		23618/HN10030 LLC "Softline Trade" from 04.12.2020

10. List of changes to the working program (to be filled out by the template)

Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation
(FSBEI HE "PRMU" of the Ministry of Health of Russia)

Department of faculty of surgery and transplantology

CHANGE REGISTRATION SHEET

working program for the academic discipline
FACULTY SURGERY

Field of study / specialty / scientific specialty: 31.05.01 GENERAL MEDICINE _____
(code, name)

Training profile: _____
(name) - for master's degree programs

Mode of study: FULL-TIME
full-time/mixed attendance mode/extramural

Position	Number and name of the program section	Contents of the changes made	Effective date of the changes	Contributor's signature
1				

Approved at the department meeting
Protocol No. _____ of _____ 20__

Head of the Department faculty
of surgery and transplantology
MD, Professor Zagainov V. E.
department name, academic title

_____/_____
signature print name