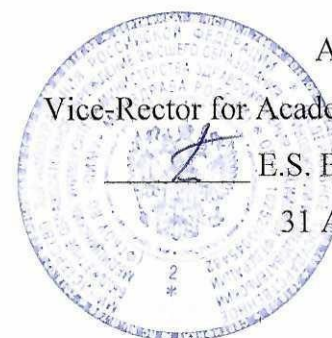


Federal State Budgetary Educational Institution of Higher Education  
"Privolzhsky Research Medical University"  
Ministry of Health of the Russian Federation



APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

**WORKING PROGRAM**

Name of the academic discipline: **RHEUMATOLOGY, GASTROENTEROLOGY**

Specialty: **31.05.01 GENERAL MEDICINE**

*(code, name)*

Qualification: **GENERAL PRACTITIONER**

Department: **ENDOCRINOLOGY AND INTERNAL MEDICINE**

Mode of study: **FULL-TIME**

Labor intensity of the academic discipline: **36 academic hours**

Nizhny Novgorod  
2021

The working program has been developed in accordance with the Federal State Educational Standard for 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:**

Grunina Elena Andreevna, PhD, Docent of the Department of Endocrinology and Internal Medicine .

Nekrasova Tatiana Anatolievna, PhD, Professor of the Department of Endocrinology and Internal Medicine

The program was reviewed and approved at the department meeting (protocol No. , 01 June 2021)


Head of the Department,

MD, PhD, Associate professor  I.G. Pochinka

(signature)

"04" June\_2021

AGREED

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

(signature)

"04" June\_2021

## **1. The purpose and objectives of mastering the academic discipline fundamentals of rheumatology, gastroenterology (hereinafter – the discipline):**

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

1.2. Tasks of the discipline:

The main goal of mastering and teaching the discipline is to participate in the formation of universal, general professional and professional competencies necessary for a university graduate in this specialty to perform the required amount of actions in accordance with the professional standard "physician".

1.3. Requirements to the deliverables of mastering the discipline

As a result of completing the discipline, the student should

### **Know:**

- etiology, pathogenesis, diagnosis, treatment and prevention of the most common diseases of the rheumatological and rheumatological diseases;
- clinical picture, course features and possible complications of the most common diseases of the rheumatological and rheumatological diseases, occurring in a typical form in adolescents and adults;
- modern methods of clinical, laboratory and instrumental diagnostics of patients with rheumatological and gastroenterological profile;
- features of providing medical care to adults and adolescents in emergency conditions associated with diseases of the rheumatological and rheumatological diseases;
- clinical and pharmacological characteristics of the main groups of drugs and the rational choice of specific drugs in the treatment of major diseases of the rheumatological and rheumatological diseases;
- indications and contraindications for referral of patients with the most common gastroenterological diseases to sanatorium treatment;
- Fundamentals of organization of inpatient care for adolescents and adults with diseases of the rheumatological and rheumatological diseases;
- maintenance of standard accounting and reporting medical documentation in medical institutions of the healthcare system, examination of working capacity in diseases of the rheumatological and rheumatological diseases;
- the basics of applying evidence-based medicine methods in assessing the health status of the adult population and adolescents, the activities of medical institutions and in scientific research in this field

### **Be able to:**

- collect anamnesis; conduct a survey of a patient with a disease of the rheumatological and rheumatological diseases and his relatives, conduct a physical examination of the patient;
- send for laboratory and instrumental examination, for consultation with specialists;
- interpret the results of the examination, use the data of physical, laboratory and instrumental examination, laboratory data for diagnosis in outpatient and inpatient settings in the presence of diseases of the rheumatological and rheumatological diseases;
- outline the scope of additional studies to clarify the diagnosis in the gastroenterological clinic; formulate a clinical diagnosis;
- develop an optimal treatment plan for a person with pathology of the rheumatological and rheumatological diseases, taking into account the course of the disease, select and prescribe drug therapy taking into account the pharmacokinetics and pharmacodynamics of drugs, prevent their unwanted side effects, use methods of non-drug treatment;
- draw up a rehabilitation program at the hospital and outpatient stage, monitor its implementation;

- provide qualified assistance in the most common emergency conditions in a patient with a gastroenterological disease;
- promptly and correctly recognize the borderline pathology encountered in gastroenterological practice:
- the most frequent infectious diseases and especially dangerous infections;
- mental illness;
- diseases of the endocrine system;
- tuberculosis;
- diseases of the peripheral nervous system;
- acute abdomen;
- determine the fact of temporary disability, its cause, the criteria for recovery and rehabilitation;
- determine the indications for employment, the establishment of a disability group and its prediction;
- maintain medical records of various nature in outpatient and inpatient rheumatological and gastroenterological institutions;
- carry out sanitary and educational work, draw up its plan;
- supervise the work of paramedical personnel in the department of rheumatology, gastroenterology;

**Possess:**

- *basic information transformation technologies: text, spreadsheet editors; technique of working on the Internet for professional activities;*
- *methods of maintaining medical accounting and reporting documentation in medical and preventive institutions of the healthcare system;*
- *methods of general clinical examination of patients with diseases of the rheumatological and gastroenterological profile;*
- *interpretation of the results of laboratory, instrumental diagnostic methods in patients with pathology of the rheumatological and rheumatological diseases;*
- *an algorithm for making a preliminary diagnosis to patients with their subsequent referral for additional examination and to specialist doctors;*
- *an algorithm for making a detailed clinical diagnosis in the presence of diseases of the rheumatological and rheumatological diseases;*
- *an algorithm for the implementation of basic medical diagnostic and therapeutic measures to provide first medical aid to the population in urgent and life-threatening conditions in the presence of diseases of the rheumatological and rheumatological diseases.*
- *work with educational, scientific, normative and reference literature.*

**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 Rheumatology, Gastroenterology refers to the core part (or the part formed by the participants of educational relations) of Block 1 of GEP HE (Academic discipline index).

The discipline is taught in 11 semester/6 year of study.

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

1. in the cycle of humanitarian and socio-economic disciplines (philosophy, bioethics; jurisprudence; history of medicine; Latin and foreign languages);

2. in the cycle of mathematical, natural science disciplines: physics, mathematics; medical informatics; chemistry; psychiatry, biology; biochemistry; anatomy; topographic anatomy and operative surgery; histology, embryology, cytology; normal physiology; microbiology, virology; immunology; pathological anatomy, clinical pathological anatomy; pathophysiology, clinical pathophysiology; pharmacology

3. in the cycle of professional disciplines: propaedeutics of internal diseases, faculty therapy

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

1. radiation diagnostics; endocrinology; polyclinic therapy; anesthesiology, resuscitation, intensive therapy; traumatology, orthopedics, general surgery, radiation diagnostics; faculty surgery, urology; hospital surgery; obstetrics and gynecology; pediatrics; oncology, radiation therapy; dentistry; hygiene; public health and health care, health economics; infectious diseases; epidemiology; medical rehabilitation; clinical pharmacology; physiology; dermatovenereology; neurology, medical genetics, neurosurgery; psychiatry; medical psychology; otolaryngology; ophthalmology; forensic Medicine; life safety, disaster medicine

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

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

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				know	be able to	possess
1.	UC-1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis IUC 1.2 Able to: gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience IUC 1.3 Has practical experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems	methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis,	receive new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience	the skills of researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems
2.	UC-4	Able to apply modern communication technologies, including in a foreign language(s), for academic and professional	IUC 4.1 Knows: the basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements for business communication, modern means of information and communication technologies	basics of oral and written communication in Russian and foreign languages, functional styles of the native	express your thoughts in Russian and foreign languages in business communication	skills in compiling texts in Russian and foreign languages related to professional activities; experience in

		interaction	<p>IUC 4.2 Knows how to: express their thoughts in Russian and foreign languages in business communication</p> <p>IUC 4.3 Has practical experience in: compiling texts in Russian and foreign languages related to professional activities; experience in translating medical texts from a foreign language into Russian; experience of speaking Russian and foreign languages</p>	language, requirements for business communication, modern means of information and communication technologies		translating medical texts from a foreign language into Russian; experience of speaking Russian and foreign languages
3.	UC-5	Able to analyze and take into account the diversity of cultures in the process of intercultural interaction	<p>IUC 5.2 Is able to: competently, clearly present professional information in the process of intercultural interaction; observe ethical standards and human rights; analyze the features of social interaction, taking into account national, ethno-cultural, professional characteristics</p> <p>IUC 5.3 Has practical experience: productive interaction in a professional environment, taking into account national, ethno-cultural, professional characteristics; overcoming communicative, educational, ethnic, professional and other barriers in the process of intercultural interaction</p>	the main categories of philosophy, the laws of historical development, the foundations of intercultural communication; basic concepts of human interaction in an organization	competently, accessible to express professional information in the process of intercultural interaction; observe ethical standards and human rights; analyze the features of social interaction, taking into account national, ethno-cultural, professional characteristics	skills of productive interaction in a professional environment, taking into account national, ethno-cultural, professional characteristics; overcoming communicative, educational, ethnic, professional and other barriers in the process of intercultural interaction
4.	OPC-1	Able to implement moral and legal norms, ethical and deontological principles in professional activities	<p>IOPC 1.1 Knows: basics of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical practice</p> <p>IOPC 1.2 Is 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 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>IOPC 1.3 Has practical experience: solving standard problems of professional activity based on ethical norms</p>	foundations of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical practice	apply ethical standards and principles of behavior of a medical worker in the performance of their professional duties; knowledge of modern legislation in the field of healthcare in solving problems of professional activity; apply the	skills in solving standard problems of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of the legal aspects of medical practice

			and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of the legal aspects of medical practice		rules and norms of interaction between a doctor and colleagues and patients (their legal representatives)	
5.	OPC-2	Able to conduct and monitor the effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population	<p>IOPC 2.1 Knows: the main criteria for a healthy lifestyle and methods of its formation; socio-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 health-improving hygiene measures that promote health and prevent the most common diseases; fundamentals of preventive medicine; stages of planning and implementation of community programs for the prevention of the most common diseases</p> <p>IOTC 2.2 Is able to: conduct health and hygiene education among children and adults (their legal representatives) and medical workers in order to form a healthy lifestyle and prevent the most common diseases; to carry out sanitary and educational work 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 programs for the formation of a healthy lifestyle, including programs to reduce the consumption of alcohol and tobacco, prevent and combat the 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 the prevention and early detection of diseases,</p>	the main criteria for a healthy lifestyle and methods of its formation; socio-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 health-improving hygiene measures that promote health and prevent the most common diseases; fundamentals of preventive medicine; stages of planning and implementation of community prevention programs	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; to carry out sanitary and educational work 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 programs for the formation of a healthy lifestyle,	skills to promote a healthy lifestyle and prevent the most common diseases; carrying out sanitary-educational work among children and adults; formation in children and adults (their legal representatives) of behavior aimed at maintaining and improving the level of somatic health; formation of healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical consumption of narcotic drugs and psychotropic substances; development of a plan of preventive measures and the implementation of methods of group and individual prevention of the most common diseases; prescribing preventive

			including cancer; select and prescribe drugs and non-drug methods for the prevention of the most common diseases IOTC 2.3 Has practical experience in: promotion of a healthy lifestyle and prevention of the most common diseases; carrying out sanitary-educational work among children and adults; formation in children and adults (their legal representatives) of behavior aimed at maintaining and improving the level of somatic health; formation of healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical consumption of narcotic drugs and psychotropic substances; development of a plan of preventive measures and the implementation of methods of group and individual prevention of 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 drugs and non-drug methods for the prevention of the most common diseases		including programs to reduce the consumption of alcohol and tobacco, prevent and combat the 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 the prevention and early detection of diseases, including cancer; select and prescribe drugs and non-drug methods for the prevention of the most common diseases	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 drugs and non-drug methods for the prevention of the most common diseases
6.	OPC-4	Able to use medical devices provided for by the order of medical care, as well as conduct examinations of the patient in order to establish a diagnosis	IOTC 4.1 Knows the methodology for collecting anamnesis of life and diseases, complaints from patients (their legal representatives); method of examination and physical examination; clinical picture, diagnostic methods of the most common diseases; methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for	Knows the methodology for collecting an anamnesis of life and diseases, complaints from patients (their legal representatives); method of examination and physical	collect complaints, anamnesis of life and disease in patients (their legal representatives), identify risk factors and causes of the development	Has practical experience: collecting complaints, anamnesis of life and disease in patients (their legal representatives), identifying risk factors and causes of diseases;



		<p>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 (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care</p> <p>IOPC 4.2 Is able to: collect complaints, anamnesis of life and disease from patients (their legal representatives), identify risk factors and causes 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, taking into account the standards of medical care; refer patients for laboratory, instrumental and additional studies in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; refer patients for consultations to specialist doctors in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; interpret and analyze the results of consultations with patients' specialists; interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; to carry out differential diagnostics of diseases in patients; identify clinical signs of sudden acute diseases, conditions,</p>	<p>examination; clinical picture, diagnostic methods of the most common diseases; methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; international statistical classification of diseases and related health problems (ICD); conditions requiring emergency medical care; order</p>	<p>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, taking into account the standards of medical care; refer patients for laboratory, instrumental and additional studies in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards</p>	<p>examination and physical examination of patients; diagnosis of the most common diseases; identification of risk factors for major cancers; formulating a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional studies, consultations with specialist doctors; referral of patients for instrumental, laboratory, additional studies, consultations of medical specialists in accordance with the current procedures for the provision of 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 related health problems (ICD); carrying out differential diagnostics of diseases; recognition of conditions arising from</p>
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			<p>exacerbations of chronic diseases without obvious signs of a threat to life, requiring emergency medical care; apply medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care</p> <p>IDOPK 4.3 Has practical experience in: collecting complaints, anamnesis of life and disease in patients (their legal representatives), identifying risk factors and causes of diseases; examination and physical examination of patients; diagnosis of the most common diseases; identification of risk factors for major cancers; formulating a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional studies, consultations with specialist doctors; referral of patients for instrumental, laboratory, additional studies, consultations of medical specialists in accordance with the current procedures for the provision of 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 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; the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p>		<p>of medical care; refer patients for consultations to specialist doctors in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; interpret and analyze the results of consultations with patients' specialists; interpret and analyze the results of basic (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; apply medical devices in accordance with the</p>	<p>sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p>
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					current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care	
7.	OPC-5	Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems	IOPC-5.1 Knows: anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems IOPC 5.2 Able to: evaluate the basic morphological and functional data, physiological conditions and pathological processes in the human body IOPC 5.3 Has practical experience: assessment of basic morphological and functional data, physiological conditions and pathological processes in the human body when solving professional problems	anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems	evaluate the main morphofunctional data, physiological conditions and pathological processes in the human body	skills in assessing basic morphological and functional data, physiological conditions and pathological processes in the human body when solving professional problems
8.	OPC-6	Able to organize patient care, provide primary health care, ensure the organization of work and the adoption of professional decisions in emergency conditions at the prehospital stage, in emergency situations, epidemics and in centers of mass destruction	IOTC 6.1 Knows: methods of collecting complaints and anamnesis from patients (their legal representatives); 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, 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	methodology for collecting complaints and anamnesis from patients (their legal representatives); 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	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	skills in assessing a condition requiring the provision of medical care in an emergency form, including in emergency situations, epidemics and in centers 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

			<p>IOPC 6.2 Is able to: recognize conditions requiring emergency medical care, including in emergency situations, epidemics and in centers 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 the 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; perform basic cardiopulmonary resuscitation; use personal protective equipment; organize patient care, provide primary health care</p> <p>IOPC-6.3 Has practical experience in: assessing a condition requiring medical care in an emergency form, including in emergency situations, epidemics and in centers 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; provision of emergency medical care to patients in 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 emergencies and epidemics; the use of personal protective equipment; organization of patient care, provision of primary medical - health care</p>	<p>accordance with the procedures for providing medical care, clinical recommendations, 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 health care</p>	<p>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 the 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; perform basic cardiopulmonary resuscitation ; use personal protective equipment; organize patient care, provide primary health care</p>	<p>emergency medical care; provision of emergency medical care to patients in 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 emergencies and epidemics; the use of personal protective equipment; organization of patient care, provision of primary medical -health care</p>
9.	OPC-7	Able to prescribe treatment and monitor its effectiveness and safety	<p>IOPC 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</p>	<p>methods of drug and non-drug treatment, medical indications for the use of</p>	<p>develop a treatment plan for patients with the most common diseases in</p>	<p>the skills to develop a treatment plan for patients with the most common diseases in</p>

			<p>common diseases; the mechanism of their action, medical indications and contraindications to the appointment; compatibility, possible complications, side effects, adverse reactions, including serious and unforeseen; features of medical care in emergency forms</p> <p>IOTC 7.2 Is able to: 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</p> <p>IOTC 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, 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 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 in children and adults in accordance with the current procedures for the provision of 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 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</p>	<p>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 appointment; compatibility, possible complications, side effects, undesirable reactions, including serious and unexpected; features of the provision of medical care in emergency forms.</p>	<p>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>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 the provision of 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 in children and adults in accordance with the current procedures for the provision of 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 in patients with the most common diseases; selection and prescription of</p>
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			<p>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>			<p>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, 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>
10.	OPC-8	<p>Able to implement and monitor the effectiveness of the patient's medical rehabilitation, including the implementation of individual rehabilitation and habilitation programs for the</p>	<p>IOPC 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</p>	<p>procedures for organizing medical rehabilitation, including the implementation of individual rehabilitation and habilitation programs for disabled people;</p>	<p>develop an action plan for the medical rehabilitation of patients, including the implementation of individual programs for the rehabilitatio</p>	<p>skills 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</p>

		<p>disabled, to assess the patient's ability to work</p>	<p>contraindications for their implementation, taking into account the diagnosis in accordance with the current procedures for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care; ways to prevent or eliminate complications, side effects, adverse reactions, including serious and unforeseen, 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</p> <p>IOPC 8.2 Is able to: develop an action plan for the medical rehabilitation of patients, including the implementation of individual rehabilitation programs for the disabled, in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care; determine medical indications for medical rehabilitation measures in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations, 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 recommendations, taking into account the standards of medical care; determine signs of temporary disability and signs of permanent impairment of body functions due to diseases, consequences of injuries or defects</p> <p>IOPC 8.3 Has practical experience in: drawing up a plan of measures for the medical rehabilitation of a patient, including the implementation of</p>	<p>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, taking into account the standards of medical care; ways to prevent or eliminate complications, side effects, adverse reactions, including serious and unforeseen мероприятий медицинской реабилитации ; порядок экспертизы временной нетрудоспособности и признаков временной нетрудоспособности пациента; признаки стойкого нарушения функций организма, обусловленного заболеванием</p>	<p>n and habilitation of disabled people, in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care; determine medical indications for medical rehabilitation measures in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations, 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</p>	<p>people, in accordance with the current procedure for medical rehabilitation, clinical recommendations, taking into account the standards of medical care; carrying out medical rehabilitation measures for patients, 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 recommendations, 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 programs for the rehabilitation and habilitation of disabled people;</p>
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			individual programs for the rehabilitation and habilitation of disabled people, in accordance with the current procedure for medical rehabilitation, clinical recommendations, taking into account the standards of medical care; carrying out medical rehabilitation measures for patients, 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 recommendations, taking into account the standards of medical care; assessment of 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;	ями, последствиям и травмами	organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care; determine signs of temporary disability and signs of permanent impairment of body functions due to diseases, consequences of injuries or defects	
11.	OPC-9	Able to implement the principles of quality management in professional activities	<p>IOPC 9.1 Knows: basic concepts of the quality management system of a medical organization; requirements for ensuring internal quality control and safety of medical activities</p> <p>IOTC 9.2 Is able to: analyze the quality of medical care provided to patients; ensure internal quality control and safety of medical activities; organize the work and monitor the performance of official duties of the medical personnel at their disposal</p> <p>IOPC 9.3 Has practical experience: carrying out work to ensure internal quality control of medical care for dental patients and the safety of medical activities</p>	basic concepts of the quality management system of a medical organization; requirements for ensuring internal quality control and safety of medical activities	analyze the quality of medical care for patients; ensure internal quality control and safety of medical activities; organize the work and monitor the performance of official duties of the medical personnel at their disposal	methodology for conducting work to ensure internal quality control of the provision of medical care to dental patients and the safety of medical activities
12.	OPC-10	Able to solve standard tasks of professional activity using information, bibliographic resources, biomedical terminology, information and communication technologies, taking into account the basic requirements of	<p>OPC 10.1 Knows: the possibilities of reference and information systems and professional databases; methods of information search, information and communication technologies; modern medical and biological terminology; basics of information security in professional activity</p> <p>IOPC 10.2 Able to: apply modern information and communication technologies to solve the problems of professional activity; to carry</p>	the possibilities of reference and information systems and professional databases; methods of information search, information and communication technologies;	apply modern information and communication technologies to solve the problems of professional activity; to carry out an effective search for information	a methodology for using modern information and bibliographic resources, using special software and automated information systems to solve standard tasks of professional activity, taking into account the basic



		information security	<p>out an effective search for information necessary to solve the problems of professional activity using reference systems and professional databases; use modern medical and biological terminology; master and apply modern information and communication technologies in professional activities, taking into account the basic requirements of information security</p> <p>IOPC 10.3 Has practical experience in: using modern information and bibliographic resources, using special software and automated information systems to solve standard tasks of professional activity, taking into account the basic requirements of information security</p>	modern medical and biological terminology; basics of information security in professional activity	necessary to solve the problems of professional activity using reference systems and professional databases; use modern medical and biological terminology; master and apply modern information and communication technologies in professional activities, taking into account the basic requirements of information security	requirements of information security
13.	OPC-11	Able to prepare and apply scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system	<p>IOPC-11.1 Knows: scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system</p> <p>IOPC-11.2 Able to: prepare scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system</p>	scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system	prepare scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system	methodology for compiling scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system
14.	PC -1	Able to assess the condition of a patient requiring emergency or emergency medical care	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of the rheumatological and rheumatological diseases; 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	etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of the rheumatological and rheumatological	identify clinical signs of conditions requiring emergency or emergency medical care	a method for detecting clinical signs of conditions requiring emergency or emergency medical care

			<p>research and interpreting the results in patients requiring medical care in emergency or emergency forms</p> <p>IPC 1.2 Able to: identify clinical signs of conditions requiring emergency or emergency medical care</p>	<p>al diseases; 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 or emergency forms</p>		
15.	PC -2	<p>Able to recognize conditions arising from sudden acute illnesses, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care, to recognize conditions that threaten the patient's life, including conditions of clinical death (stopping the vital functions of the human body (circulation and / or breathing), requiring medical attention in an emergency form</p>	<p>IPC 2.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of the rheumatological and rheumatological diseases; methodology for collecting complaints and anamnesis from patients (their legal representatives); methods 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 sudden cessation of circulation and/or respiration</p> <p>IPC 2.2 Is 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</p>	<p>etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of the rheumatological and rheumatological diseases; methodology for collecting complaints and anamnesis from patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion,</p>	<p>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</p>	<p>a method for identifying clinical signs of conditions requiring emergency medical care; requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and breathing</p>

				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 sudden cessation of circulation and/or respiration		
16.	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, to 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 electrical impulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration  IPC 3.2 Knows how to: perform measures to provide medical care in urgent and emergency forms; basic cardiopulmonary resuscitation in combination with electrical impulse therapy (defibrillation)	rules for basic cardiopulmonary resuscitation; 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	carry out measures to provide medical care in urgent and emergency forms; basic cardiopulmonary resuscitation in combination with electrical impulse therapy (defibrillation)	
17.	PC -4	Able to use medicines and medical devices in the provision of medical care in emergency or urgent forms	IPC 4.1 Knows: modern methods of using medicines, medical devices for diseases and conditions 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 in the provision of medical care in emergency or urgent forms; the mechanism of action of drugs, medical devices, medical indications and	modern methods of using medicines, medical devices for diseases and conditions in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment	prescribe medicines, medical devices, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the	methods that provide the ability to prescribe drugs, medical devices, 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

			<p>contraindications to their use; complications caused by their use;</p> <p>principles of operation of devices for external electropulse therapy (defibrillation);</p> <p>rules for performing external electrical impulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration</p> <p>IPC 4.2</p> <p>Knows how to: prescribe medicines, medical devices, 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 (treatment protocols) on the provision of medical care in emergency or urgent forms</p>	<p>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;</p> <p>the mechanism of action of drugs, medical devices, medical indications and contraindications to their use; complications caused by their use;</p> <p>principles of operation of devices for external electropulse therapy (defibrillation) ;</p> <p>rules for performing external electrical impulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration</p>	<p>provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care in emergency or urgent forms</p>	<p>guidelines (treatment protocols) on the provision of medical care in emergency or emergency forms</p>
18.	PC -5	<p>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</p>	<p>IPC</p> <p>5.1 Knows: The 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</p>	<p>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</p>	<p>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,</p>	<p>methods, including the collection of complaints, anamnesis of life and disease of the patient and analyze the information received; conduct a complete physical examination of the patient (examination, palpation,</p>

		<p>instrumental examinations of the patient</p>	<p>picture, differential diagnosis, course features, complications and outcomes of diseases of the rheumatological and rheumatological diseases; 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 studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results</p> <p>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>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 the rheumatological and rheumatological diseases; 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 studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results</p>	<p>percussion, auscultation) and interpret its results; determine the sequence of volume, content and sequence of diagnostic measures</p>	<p>percussion, auscultation) and interpret its results; determine the sequence of volume, content and sequence of diagnostic measures</p>
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19.	PC -6	Able to refer the patient for laboratory, instrumental examination, for 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 the provision of 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 provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care	IPC 6.1 Knows: general issues of organizing medical care for the population, methods of laboratory and instrumental studies to assess the state of health, medical indications for conducting studies, rules for interpreting their results; procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, 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 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	general issues of organizing medical care for the population, methods of laboratory and instrumental studies for assessing 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	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	methods 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 with specialist doctors; determine medical indications for the provision of emergency, including emergency specialized, medical care
20.	PC -7	Able to make a differential diagnosis with other diseases/conditions, including emergencies, to establish a diagnosis taking into account the current international statistical classification of	IPC 7.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of the rheumatological and rheumatological diseases; methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; ICD	etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of the	analyze the results of the patient's examination, if necessary, justify and plan the scope of additional studies; interpret the results of collecting information	methods that allow analyzing the results of the patient's examination, if necessary, substantiating and planning the scope of additional studies; interpret the results of collecting information

		diseases and related health problems (ICD)	<p>IPC 7.2</p> <p>Able to: analyze the results of the patient's examination, if necessary, justify and plan the scope of additional studies; interpret the results of collecting information about the patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret the data obtained during consultations of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases</p>	<p>rheumatologic al and rheumatologic al diseases; methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; ICD</p>	<p>about the patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret the data obtained during consultations of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases</p>	<p>about the patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret the data obtained during consultations of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases</p>
21.	PC -8	<p>Able to develop a treatment plan for a disease or condition and prescribe drugs, medical devices, clinical nutrition and non-drug treatment, taking into account the diagnosis, age and clinical picture 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 standards of medical care and evaluate the effectiveness and safety of the use of medicines,</p>	<p>IPC -8.1</p> <p>Knows: modern methods of using medicines, medical devices and nutritional therapy for 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; the 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 recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; mechanism of</p>	<p>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 guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care; the mechanism of</p>	<p>draw up a treatment plan for the disease and the patient's condition, taking into account the diagnosis, the age of the patient, the clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of</p>	<p>methods that make it possible to draw up a treatment plan for the disease and the patient's condition, taking into account the diagnosis, the age of the patient, the clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care;</p>

		<p>medical devices, clinical nutrition and other methods of treatment</p>	<p>action of non-drug treatment; medical indications and contraindications to its appointment; side effects, complications caused by its use</p> <p>IPC 8.2 Able to: draw up a treatment plan for the disease and the patient's condition, taking into account the diagnosis, the age of the patient, the clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe medicines, medical products and medical 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 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 clinical nutrition</p>	<p>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 recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; mechanism of action of non-drug treatment; medical indications and contraindications to its appointment; side effects, complications caused by its use</p>	<p>medical care, taking into account the standards of medical care; prescribe medicines, medical products and medical 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 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</p>	<p>prescribe medicines, medical products and medical 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 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 clinical nutrition</p>
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					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	
22.	PC -9	Able to provide palliative care in cooperation with medical specialists and other medical professionals	<p>IPC-9.1 Knows: The procedure for providing palliative care</p> <p>IPC 9.2 Able to: Prescribe medications, medical devices and nutritional therapy, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines (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 clinical nutrition</p>	The procedure for providing palliative care	Prescribe medicines, medical devices and nutritional therapy, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines (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	methods that allow prescribing medicines, medical devices and medical 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 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

					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 clinical nutrition	standards of medical care; evaluate the effectiveness and safety of the use of medicines, medical devices and clinical nutrition
23.	PC -10	Able to organize personalized treatment of the patient, including pregnant women, elderly and senile patients, evaluate the effectiveness and safety of treatment	IPC 10.1 Knows: modern methods of using medicines, medical devices and nutritional therapy for 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; the 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 recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; mechanism of action of non-drug treatment; medical indications and contraindications to its appointment; side effects, complications caused by its use IPC 10.2 Knows how to: prescribe medicines, medical devices and nutritional therapy, taking into account the diagnosis, age and clinical picture of the disease in	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 guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care; the mechanism of action of drugs, medical products and medical nutrition, medical indications and contraindications to their use;	prescribe medicines, medical products and medical 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 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 standards of medical care; take into account the standards of medical care; evaluate the effectiveness and safety of the use of medicines, medical devices and clinical nutrition	methods that allow prescribing medicines, medical devices and medical 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 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

			<p>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; 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 clinical nutrition</p>	<p>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 recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; mechanism of action of non-drug treatment; medical indications and contraindications to its appointment; side effects, complications caused by its use</p>	<p>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 clinical nutrition</p>	<p>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 clinical nutrition</p>
24.	PC -13	<p>Able to refer a patient in need of medical rehabilitation to a specialist doctor for prescribing and conducting medical rehabilitation measures, including for prescribing and conducting sanatorium treatment, and to carry out medical rehabilitation measures for the patient, including when implementing an individual rehabilitation or</p>	<p>IPC 13.1 Knows: measures for the medical rehabilitation of the patient, medical indications and contraindications for their implementation, taking into account the diagnosis 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; medical indications and contraindications to the appointment of spa treatment as a stage of the patient's medical rehabilitation; features of medical rehabilitation of elderly and senile patients IPC 13.2 Able to: Determine medical indications for medical</p>	<p>measures for the medical rehabilitation of the patient, medical indications and contraindications for their implementation, taking into account the diagnosis in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on</p>	<p>determine medical indications for carrying out medical rehabilitation measures, including when implementing an individual rehabilitation or habilitation program for disabled people, in accordance with the current procedures for the</p>	<p>methods that allow determining medical indications for medical rehabilitation measures, including the implementation of an individual rehabilitation or habilitation program for disabled people, in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment</p>



					<p>tions (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe sanatorium-and-spa treatment to a patient in need of medical rehabilitation, including when implementing an individual rehabilitation or habilitation program for disabled people, in accordance with the current clinical recommendations (treatment protocols) on the provision of medical care, procedures for the provision of medical care and taking into account the standards of medical care</p>	<p>habilitation program for disabled people, in accordance with the current clinical recommendations (treatment protocols) on the provision of medical care, procedures for the provision of medical care and taking into account the standards of medical care</p>
25.	PC -16	<p>Able to organize and control the immunoprophylaxis of infectious diseases in the adult population, prescribe preventive measures to patients, taking into account risk factors in accordance with</p>	<p>IPC 16.1 Knows: the principles of the application of specific and non-specific prevention of infectious diseases, the national calendar of preventive vaccinations and the calendar of preventive vaccinations according to epidemic indications; legislation of the Russian Federation in the field of health protection, sanitary rules and regulations; preventive measures taking into account</p>	<p>principles for the use of specific and non-specific prevention of infectious diseases, the national calendar of preventive vaccinations and the calendar of</p>	<p>organize and conduct immunoprophylaxis of infectious diseases in the adult population in accordance with the current procedures</p>	<p>methods that allow organizing and conducting immunoprophylaxis of infectious diseases in the adult population in accordance with the current procedures for the provision of</p>

		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, and monitor compliance with preventive measures	the diagnosis 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 IPC 16.2 Able to: organize and conduct immunoprophylaxis of infectious diseases in the adult population 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; prescribe preventive measures to patients, taking into account risk factors for the prevention and early detection of diseases, including socially significant diseases	preventive vaccinations according to epidemic indications; legislation of the Russian Federation in the field of health protection, sanitary rules and regulations; preventive measures taking into account the diagnosis 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	for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe preventive measures to patients, taking into account risk factors for the prevention and early detection of diseases, including socially significant diseases	medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe preventive measures to patients, taking into account risk factors for the prevention and early detection of diseases, including socially significant diseases
26.	PC -19	Able to form healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical use of narcotic drugs and psychotropic substances, evaluate the effectiveness of preventive work with patients	I PC 19.1 Knows: forms and methods of sanitary and educational work on the formation of elements of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances I PC 19.2 Able to: develop and implement programs for the formation of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances	forms and methods of sanitary and educational work on the formation of elements of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical consumption of narcotic drugs and psychotropic substances	develop and implement programs for the formation of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances	methods that allow developing and implementing healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances
27.	PC -22	Able to maintain	IPC 22.1 Knows: the legislation of the Russian	legislation of the Russian	fill in medical	own methods that allow filling

	medical records, including in electronic form	Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunications 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 information systems and information and telecommunications network "Internet" in professional activities	Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunications 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	documentation, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommunications network "Internet" in professional activities	out medical documentation, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommunications network "Internet" in professional activities
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#### 4. Разделы дисциплины и компетенции, которые формируются при их изучении

№ п/п	Код компетенции	Наименование раздела дисциплины	Содержание раздела в дидактических единицах
1.	UC – 1, 4, 5 OPC – 1, 2, 4, 5, 6, 7, 10, 11 PC – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 19, 22	Diseases related to the B27 antigen	Diseases related to the B27 antigen
2.	UC – 1, 4, 5 OPC – 1, 2, 4, 5, 6, 7, 10 PC – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 19, 22	Systemic lupus erythematosus and antiphospholipid syndrome	Systemic lupus erythematosus and antiphospholipid syndrome

№ п/п	Код компетенции	Наименование раздела дисциплины	Содержание раздела в дидактических единицах
3.	UC – 1, 4, 5 OPC – 1, 2, 4, 5, 6, 7, 10 PC – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 19, 22	systemic vasculitis	systemic vasculitis
4.	UC – 1, 4, 5 OPC – 1, 2, 4, 5, 6, 7, 8, 9, 10, PC – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 19, 22	Osteoarthritis and microcrystalline arthritis	Osteoarthritis and microcrystalline arthritis
5.	UC – 1, 4, 5 OPC – 1, 2, 4, 5, 6, 7, 10 PC – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 19, 22	Systemic scleroderma, dermatomyositis, polymyositis	Systemic scleroderma, dermatomyositis, polymyositis
6.	UC – 1, 4, 5 OPC – 1, 2, 4, 5, 6, 7, 8, 10 PC – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 19, 22	Gastrointestinal diseases, anemia, paraneoplastic syndrome	Gastrointestinal diseases, anemia, paraneoplastic syndrome
7.	UC – 1, 4, 5 OPC – 1, 2, 4, 5, 6, 7, 9, 10 PC – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 19, 22	Stomach diseases	Stomach diseases
8.	UC – 1, 4, 5 OPC – 1, 2, 4, 5, 6, 7, 9, 10 PC – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 19, 22	Non-alcoholic fatty liver disease and cirrhosis	Non-alcoholic fatty liver disease and cirrhosis
9.	UC – 1, 4, 5 OPC – 1, 4, 5, 6, 7, 8, 10 PC – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 19, 22	Practical skills	Writing a medical history Communication with patients Physical examination Presentation of a clinical case

### 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)	
			11
Classroom work, including			
Lectures (L)	0,22	8	8
Laboratory practicum (LP)*			
Practicals (P)	1	36	36
Seminars (S)			
Student's individual work (SIW)	0,8	28	28
Mid-term assessment			



credit/exam ( <i>specify the type</i> )			
TOTAL LABOR INTENSITY	2	72	72

## . Content of the academic discipline

### 6.1. Sections of the discipline and types of academic work

№ п/п	Наименование раздела дисциплины	Содержание раздела
1	2	3
1.	Болезни ЖКТ, анемии, паранеопластический синдром	Определение понятия, клинические диспепсии паранеопластических синдромов. гастроэнтерологические маски онкологических заболеваний. Патология ЖКТ как причина анемий. Дифференциальный диагноз. Клинические проявления. Диагностика. Лечение.
2.	Gastrointestinal diseases, anemia, paraneoplastic syndrome	Mechanisms of development, classification, diagnostics, differential instrumental diagnostics, features of clinical manifestations, complications principles of therapy Clinical manifestations. Possibilities of modern methods of treatment. Complications. Features of treatment of various forms. Indications for surgical treatment. Primary and secondary prevention. Prognosis and ability to work. Clinical manifestations. Possibilities of modern methods of treatment. Complications. Primary and secondary prevention. Prognosis and ability to work.
3.	Stomach diseases	Definition of the concept, clinical variants of non-ulcerative dyspepsia. Definition of the concept of chronic gastritis. Etiology, pathogenesis, classification, clinical and instrumental diagnostics. Diagnostic criteria. Complications. The importance of clinical manifestations and additional research methods in the differential diagnosis of pain in the upper abdomen. Diagnostic criteria, the role of instrumental methods in diagnosis and treatment. Tactics of a general practitioner. Differentiated drug therapy. Methods of diagnosis of pyloric helicobacter. N. pylori eradication therapy programs. Eradication control. Forecast. Examination of working capacity. Differential diagnosis for "acute abdomen" and gastrointestinal bleeding. Diagnostic criteria, the role of instrumental methods in diagnosis and treatment. Tactics of a general practitioner. Indications for surgical intervention. Treatment. Diet treatment. Differentiated drug therapy. Surgical treatment. Medical examination and prevention. Spa treatment

1	2	3
4	Diseases of the B27 antigen circle	<p>Definition of the concept. Ankylosing spondylitis (ankylosing spondylitis). Psoriatic spondyloarthritis. Reactive arthritis. Spondyloarthropathy in inflammatory bowel diseases (Crohn's disease, ulcerative colitis). Cardiovascular pathology, kidney pathology and organs of vision with the carrier of B27 antigen. Diagnostic criteria. Complications. The importance of clinical manifestations and additional research methods in differential diagnosis. Diagnostic criteria, the role of instrumental methods in diagnosis and treatment. Tactics of a general practitioner. Differentiated drug therapy.</p> <p>Tactics of a general practitioner. Indications for surgical intervention. Treatment. Diet treatment. Differentiated drug therapy. Surgical treatment. Medical examination and prevention. Spa treatment</p>
5	Systemic lupus erythematosus and antiphospholipid syndrome.	<p>Definition of the concept. Mechanisms of development, classification, diagnostics, differential instrumental diagnostics, features of clinical manifestations, complications principles of therapy</p> <p>Clinical manifestations. Possibilities of modern methods of treatment. Complications. Features of treatment of various forms. Indications for surgical treatment. Primary and secondary prevention. Prognosis and ability to work. Clinical manifestations. Possibilities of modern methods of treatment. Complications. Prognosis and ability to work.</p>
6	Systemic scleroderma, dermatomyositis, polymyositis	<p>Definition of the concept. Mechanisms of development, classification, diagnostics, differential instrumental diagnostics, features of clinical manifestations, complications principles of therapy</p> <p>Clinical manifestations. Possibilities of modern methods of treatment. Complications. Features of treatment of various forms. Indications for surgical treatment. Primary and secondary prevention. Prognosis and ability to work. Clinical manifestations. Possibilities of modern methods of treatment. Complications. Prognosis and ability to work.</p>

### 6.2.1 Thematic schedule of lectures

№ п/п	№ раздела дисциплины	Тематика лекций	Объем в АЧ (час)
			10

1	7	Diseases of the B27 antigen circle	2
2	8	Systemic lupus erythematosus and antiphospholipid syndrome	2
3	9	Systemic vasculitis	2
4	5	Osteoarthritis	2
5	10	Systemic scleroderma, dermatomyositis, polymyositis	2
		<b>Total, AH</b>	<b>10</b>

### 6.2.3. Thematic plan of practicals

№ п/п		Name of the topics of practicals	Volume in AH
1	1	Gastrointestinal diseases, anemia, paraneoplastic syndrome	6
2	2	Non-alcoholic fatty liver disease and cirrhosis	6
3	3	Stomach diseases	6
4	4	Individualized treatment of rheumatoid arthritis	6
5	5	Osteoarthritis and microcrystalline arthritis	6
6	6	Osteoporosis	6
		Total, AH	<b>36</b>

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

№	Types and topics of SIW	Volume in AH
		Semester 11
1	Writing case histories, essays	4
2	Preparation of reports, speeches	2
3	preparation for participation in classes in an interactive form (role-playing and business games, trainings, game design, computer simulation, discussions)	4
4	work with electronic educational resources hosted on the PIMU educational portal	8
5	work with literary and other sources of information on the section under study, including in an interactive form	8

TOTAL (total - AH)	28
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### 6.7 Student research: not included in the curriculum.

## 7. Фонд оценочных средств для проведения текущего контроля и промежуточной аттестации.

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

№	Semester No.	Types of control	Name of section of academic discipline	Competence codes		
				ВИДЫ	types	КОЛ-ВО ВАРИАНТОВ ТЕСТОВЫХ ЗАДАНИЙ
1	2	3	4	5	6	7
1.	9	Control of mastering the topic. Monitoring the student's individual work	Systemic lupus erythematosus. Antiphospholipid syndrome. Systemic scleroderma. Idiopathic inflammatory myopathies (polymyositis, dermatomyositis). Rheumatic polymyalgia.	Tests	20	Unlimited (computer testing)
				Situational tasks	1	20
				Report	1	20
2.	9	Control of mastering the topic. Monitoring the student's individual work	Systemic lupus erythematosus. Antiphospholipid syndrome. Systemic scleroderma. Idiopathic inflammatory myopathies (polymyositis, dermatomyositis). Rheumatic polymyalgia.	Tests	20	Unlimited (computer testing)
				Situational tasks	1	20
				Реферат	1	20
3.	9	Control of mastering the topic. Monitoring the student's individual work	Systemic lupus erythematosus. Antiphospholipid syndrome.	Tests	20	Unlimited (computer testing)
				Situational tasks	1	20
				Presentation	1	20

## 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	В библиотеке
1.	Longo Dan I. <a href="#">Harrison's principles of internal medicine. V.1.</a> McGraw-Hill, 2012		15
2.	Longo Dan I. <a href="#">Harrison's principles of internal medicine. V.2.</a> McGraw-Hil, 2012		15
3.	Current practice guidelines in primary care / J. S. Esherick, <a href="#">D. S. Clark</a> , <a href="#">E. D. Slater</a> . – New York: McGraw-Hill, 2013. – 402 p.: il. ISBN 978-0-07-179750-4.		25
4.	Clinical medicine / edited by <a href="#">P. Kumar</a> , <a href="#">M. Clark</a> . – 8th ed. – Edinburgh : Saunders, 2012. – 1286 p.: il.		50
5.	Davidson's principles and practice of medicine / edited by <a href="#">C. Haslett</a> , <a href="#">J. A. A. Hunter</a> . – 19th ed. – Edinburgh : Churchill Livingstone, 2002. – 1274 с.: мяг.		20

### 8.2. Further reading

№	Name according to bibliographic requirements	Number of copies	
		at the department	В библиотеке
1.	Cardiology / D. G. Julian, <a href="#">J. C. Cowan</a> , <a href="#">J. M. McLenachan</a> . – 8th ed. – [б. м.] Elsevier Saunders, 2005. – 387 с.: мяг.		20
3.	The ECG made easy / J. R. Hampton. – 7th ed. – Edinburgh: Churchill Livingstone, 2008. – 179 с.: ил. мяг.		14
4.	Physical agents in rehabilitation: from research to practice / <a href="#">M. H. Cameron</a> . – Philadelphia: W.B.Saunders Company, 1999. – 490 с.: ил. мяг.		10
5.	Emergency Medicine / L. Stead. – [б. м.] Lippincott Williams & Wilkins, 2000. – 673р.		5

### 8.3. Перечень методических рекомендаций для самостоятельной работы студентов:

№	Наименование согласно библиографическим требованиям	Количество экземпляров	
		На кафедре	В библиотеке
3.	Strongin L. G. <a href="#">Interpretation of ECG data: textbook for the international english speaking medical students.</a> Publishing	2	15

	House of NNSMA, 2014. - 68 p.		
4.	Strongin L. G. <a href="#">Guide to case report writing, history taking and physical examination : textbook for the international english speaking medical students</a> . Publishing House of NNSMA, 2014. - 64 p.	2	10
5.	Petrov A.V. Guide to case report writing for 6 course students. Publishing House of PIMU, 2020. - 62 p.	2	10

### 8.3. Electronic educational resources for teaching academic subjects

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

<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>	<i>Number of users</i>
Internal electronic library system	Proceedings of the teaching staff of the Academy: textbooks and teaching aids, monographs, collections of scientific papers, scientific articles, dissertations, abstracts of dissertations, patents.	from any computer on the Internet, using an individual login and password [Electronic resource] - Access mode: <a href="http://95.79.46.206/login.php">http://95.79.46.206/login.php</a>	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	Electronic database "StudentAdvisor"	Educational literature + additional materials (audio, video, interactive materials, test tasks) for higher medical and pharmaceutical education. Editions are structured by specialties and disciplines in accordance with the current Federal State Educational Standards of Higher Professional Education.	from any computer on the Internet, using an individual login and password [Electronic resource] - Access mode: <a href="http://www.studmedlib.ru/">http://www.studmedlib.ru/</a>	General subscription of PMU
2	Electronic library system "Bukap"	Educational and scientific medical literature of Russian publishing houses, incl. translations of foreign publications.	from any computer located on the Internet by login and password, from the computers of the academy. Subscribed editions are available for reading. [Electronic resource] - Access mode: <a href="http://www.books-up.ru/">http://www.books-up.ru/</a>	General subscription of PMU
3	«Bibliosearch»	Integrated search service "single window" for electronic catalogs, EBS and full-text databases. The results of a single search in the demo version include documents from domestic and foreign digital libraries and databases available to the university as part of a subscription, as well as from open access databases.	For PMU, access to the demo version of the Bibliopisk search engine is open: <a href="http://bibliosearch.ru/pimu">http://bibliosearch.ru/pimu</a> .	General subscription of PMU
4	Domestic electronic periodicals	Periodicals on medical topics and higher education	- from the computers of the academy on the	

			platform of the electronic library eLIBRARY.RU -magazines publishing house "Mediasphere" - from the computers of the library or provided library at the request of the user [Electronic resource] - Modeдоступа:ht tps://elibrary.ru/	
5	International Scientometric Database «Web of Science Core Collection»	Web of Science covers materials on natural, technical, social, humanitarian sciences; takes into account the mutual citation of publications developed and provided by Thomson Reuters; has built-in search, analysis and management of bibliographic information.	Free access from PIMU computers [Electronic resource] - Access to the resource at:http://apps.webofknowledge.com	Free access from PMU computers

### 8.3.3 Open access resources

№	Name of the electronic resource	Brief description (content)	Access conditions
1	Federal Electronic Medical Library	Includes electronic analogues of printed publications and original electronic publications that have no analogues recorded on other media (dissertations, abstracts, books, magazines, etc.). [Electronic resource] - Access mode:http://нэб.рф/	from any computer on the Internet
2	Scientific electronic library eLIBRARY.RU	The largest Russian information portal in the field of science, technology, medicine and education, containing abstracts and full texts of scientific articles and publications. [Electronicresource] -	from any computer on the Internet.



		Accessmode: <a href="https://elibrary.ru/">https://elibrary.ru/</a>	
3	Scientific electronic library of open access CyberLeninka	Full texts of scientific articles with annotations published in scientific journals in Russia and neighboring countries. [Electronicresource] - Accessmode: <a href="https://cyberleninka.ru/">https://cyberleninka.ru/</a>	from any computer on the Internet
4	RussianStateLibrary (RSL)	Abstracts for which there are copyright agreements with permission for their open publication [Electronic resource] - Access mode: <a href="http://www.rsl.ru/">http://www.rsl.ru/</a>	from any computer on the Internet
5	Reference and legal system "Consultant Plus»	Federal and regional legislation, judicial practice, financial advice, legislative comments, etc. [Electronic resource] - Access mode: <a href="http://www.consultant.ru/">http://www.consultant.ru/</a>	from any computer on the Internet
6	Official website of the Ministry of Health of the Russian Federation	National Clinical Guidelines [Electronic resource] - Access mode: <a href="http://cr.rosminzdrav.ru">cr.rosminzdrav.ru</a> - Clinical recommendations	from any computer on the Internet
7	Official websites of the Russian Respiratory Society, Russian Society of Cardiology	Modern materials and clinical guidelines for the diagnosis and treatment of respiratory diseases, cardiovascular diseases [Electronic resource] - Access mode: <a href="http://www.spulmo.ru">www.spulmo.ru</a> - Russian Respiratory Society <a href="http://www.scardio.ru">www.scardio.ru</a> - RKO	from any computer on the Internet
8	Official website of the Russian Scientific Society of Therapists	Modern materials and clinical guidelines for the diagnosis and treatment of diseases of internal organs [Electronic resource] - Access mode: <a href="http://www.rnmot.ru">www.rnmot.ru</a> - Russian Scientific Society of Therapists	from any computer on the Internet

## 9. Material and technical support for mastering an academic discipline

### 9.1. List of premises for classroom activities for the discipline

1. Lecture hall equipped with multimedia equipment and a microphone.
2. Cabinets for clinical practice
3. Multidisciplinary accreditation and simulation center
4. Chambers of therapeutic and gastroenterological departments, diagnostic rooms of healthcare facilities - clinical bases of the Department of Endocrinology and Internal Medicine

9.2. List of equipment for classroom activities for the discipline

1. Multimedia complex
2. Medical documentation: medical history, outpatient card
3. Archival and educational case histories
4. A set of samples of the results of a general blood test.
5. Album of ultrasound results
6. Set of radiographs
7. Tonometers
8. Phonendoscopes. Stethoscopes
9. Slides and multimedia presentations of lectures
10. Standardized patient
11. Scenarios and instructions for participants when conducting role-playing games

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 organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	283	without limitation, with the right to receive updates for 1 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

