## 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: FUNDAMENTALS OF RHEUMATOLOGY

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

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.

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v	eve	opers	OI	ше	WOLKING	program.

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

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

01 June

Head of the Department,

Head of the Department,
MD, PhD, Associate professor

I.G. Pochinka

01 June 2021

**AGREED** 

Deputy Head of EMA ph.d. of biology

Lovtsova L.V.

(signature)

01 June 2021

#### 1. Purpose and objectives of the discipline.

#### 1.1 The purpose of the discipline.

The main purpose of mastering and teaching of the discipline is to participate in the formation of universal, professional and professional competencies necessary for a university graduate in this specialty the necessary amount of action in accordance with the professional standard "doctor-therapist".

### 1.2 Objectives of study of the discipline.

As a result of studying the discipline the student should:
Know:  ☐ etiology, pathogenesis, diagnosis, treatment and prevention of the most common rheumatological
diseases in the population;
☐ clinical picture, features of the course and possible complications of the most common rheumatologic
diseases occurring in the typical form in adolescents and adults;
□ modern methods of clinical, laboratory and instrumental diagnostics of rheumatologic patients;
☐ features of medical care for adults and adolescents in rheumatology emergencies;
☐ clinical and pharmacological characteristics of the main groups of drugs and rational choice of
specific drugs in the treatment of basic pathological syndromes of diseases and emergencies in
rheumatologic patients;
☐ indications and contraindications for referral of patients with rheumatologic diseases to sanatorium
treatment;
□ basics of the organization of inpatient care for adolescents and adults in rheumatology;
☐ maintenance of standard medical record and reporting documentation in medical and preventive
health care institutions on rheumatology, implementation of the examination of work capacity;
□ basics of application of evidence-based medicine methods in health assessment of adult and
adolescent population, activities of medical institutions and in scientific research;
Be able to:
□ collect anamnesis; interview patient and relatives, perform physical examination of patient
(examination, palpation, percussion, auscultation, measurement of BP, determination of pulse
characteristics, respiratory rate, etc.)
□ refer for laboratory-instrumental examinations, specialist consultations;
□ interpret the results of the examination, use physical, laboratory and instrumental examination data to
make a diagnosis in outpatient and inpatient settings.
□ outline the scope of additional examinations to clarify the diagnosis; formulate a clinical diagnosis;
□ develop an optimal treatment plan for the patient, taking into account the course of the disease; select
and prescribe medication therapy, taking into account the pharmacokinetics and pharmacodynamics of
medication, prevention of undesirable side effects; use methods of non-medicinal treatment;
☐ develop a rehabilitation programme for the hospital and outpatient phase, and monitor its
implementation;
provide qualified assistance in the most common emergencies: acute joint syndrome, fever of unclear
genesis, etc.;
□ recognise in a timely and correct manner the borderline rheumatological pathology encountered in the
GP practice:
☐ the most frequent infectious diseases and especially dangerous infections;
mental illnesses;
☐ diseases of the endocrine system;
□ tuberculosis;
☐ ENT diseases;
☐ diseases of the peripheral nervous system; ☐ acute abdomen;
□ pathology of the blood system;
□ cardiovascular pathology
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<ul> <li>□ determine the fact of temporary disability in a rheumatological patient, its cause, criteria for recovery and restoration of work capacity;</li> <li>□ determine the indications for employment, establishment of disability group and its prognosis in rheumatology;</li> <li>□ keep medical records of different nature in outpatient and inpatient facilities in rheumatologic patient;</li> <li>□ conduct health education, make its plan;</li> <li>□ supervise the work of nursing staff in the hospital;</li> </ul>
Know:   basic technologies of information conversion: text, tabular editors; techniques of work in Internet for professional activity;   methods of medical record keeping and reporting documentation in medical and preventive health care institutions;   assessments of the state of health of the population of different age-gender and social groups;   methods of general clinical examination of patients;   interpretation of the results of laboratory, instrumental methods of diagnostics in patients;   algorithm for making a preliminary diagnosis of patients with subsequent referral for additional examinations and to specialists;   algorithm for making a detailed clinical diagnosis;   algorithm of basic medical diagnostic and therapeutic measures for providing first aid to the population in case of emergency and life-threatening conditions.
2. The place of the discipline in the structure of the educational programme:
2.1 The discipline "Hospital Therapy" refers to the basic part of Block 1 of the HPE. The
discipline is studied in semester 11.
2.2 The study of the discipline requires the knowledge, skills and abilities formed by the
previous disciplines/practices:
$\Box$ in the cycle of humanities and socio-economic disciplines (philosophy, bioethics; law; history
of medicine; Latin and foreign language);
$\Box$ in the cycle of mathematical, natural science disciplines: physics, mathematics; medical
informatics; chemistry; psychiatry, biology; biochemistry; anatomy; topographical anatomy and
operative surgery; histology, embryology, cytology; normal physiology; microbiology, virology;
immunology; pathological anatomy, clinical pathological anatomy; pathophysiology, clinical
pathophysiology; pharmacology;
$\Box$ in the cycle of professional disciplines: propaedeutics of internal diseases, radiology; faculty
therapy; endocrinology; polyclinic therapy; anaesthesiology, intensive care, intensive therapy;
traumatology, orthopaedics, general surgery, radiology; faculty surgery, urology; hospital surgery;
obstetrics and gynaecology; paediatrics; oncology, radiotherapy; dentistry; hygiene; Public health and
public health care, economics of public health; infectious diseases; epidemiology; medical
rehabilitation; clinical pharmacology; phthisiology; dermatovenerology; neurology, medical genetics,
neurosurgery; psychiatry; medical psychology; otolaryngology; ophthalmology; forensic medicine; life
safety, disaster medicine;

2.3. The study of the discipline is necessary for the knowledge, skills and abilities formed by
subsequent disciplines/practices: not applicable, this discipline is the final in the training program.

## 3. Результаты освоения дисциплины и индикаторы достижения компетенций:

Изучение дисциплины направлено на формирование у обучающихся следующих универсальных (УК), общепрофессиональных (ОПК) и профессиональных (ПК) компетенций:

		The content of the	Code and name of the		f mastering the students shoul	-
№	Competenc e code	competence (or its part)	competence acquisitionmetric	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 interaction	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 IUC 4.2 Knows how to: express their thoughts in Russian and foreign languages in business communication 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	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	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 translating medical texts from a foreign language into Russian; experience of speaking Russian and foreign languages

			speaking Russian and			
3.	UC-5	Able to analyze and take into account the diversity of cultures in the process of intercultural interaction	foreign languages  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, confessional characteristics I UC 5.3 Has practical experience: productive interaction in a professional environment, taking into account national, ethno-cultural, confessional characteristics; overcoming communicative, educational, ethnic, confessional and other barriers in the process of	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, confessional characteristics	skills of productive interaction in a professional environment , taking into account national, ethno- cultural, confessional characteristi cs; overcoming communicat ive, educational, ethnic, confessional 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	intercultural interaction  IOPC 1.1 Knows: basics of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical practice 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) IOPC 1.3 Has practical experience: solving standard problems of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives),	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 rules and norms of interaction between a doctor and colleagues and patients (their legal representative s)	skills in solving standard problems of professional activity based on ethical norms and deontologica l principles when interacting with colleagues and patients (their legal representativ es), knowledge of the legal aspects of medical practice

			knowledge of the legal			
			aspects of medical			
			practice			
5.	OPC-2	Able to conduct and	IOPC 2.1 Knows: the	the main	conduct	skills to
		monitor the effectiveness	main criteria for a healthy	criteria for a	sanitary and	promote a
		of preventive measures,	lifestyle and methods of	healthy	hygienic	healthy
		the formation of a healthy	its formation; socio-	lifestyle and	education	lifestyle and
		lifestyle and sanitary and	hygienic and medical	methods of its	among	prevent the
		hygienic education of the	aspects of alcoholism,	formation;	children and	most
		population	drug addiction, substance	socio-hygienic	adults (their	common
		Population	abuse, the basic principles	and medical	legal	diseases;
			of their prevention; forms	aspects of	representative	carrying out
			and methods of sanitary	alcoholism,	s) and medical	sanitary-
			and hygienic education	drug	workers in	educational
			among patients (their	addiction,	order to form	work among
			legal representatives),	substance	a healthy	children and
			medical workers; basic	abuse, the	lifestyle and	adults;
			health-improving hygiene	basic	prevent the	formation in
			measures that promote	principles of	most common	children and
			health and prevent the	their	diseases; to	adults (their
			most common diseases;	prevention;	carry out	legal
			fundamentals of	forms and	sanitary and	representativ
			preventive medicine;	methods of	educational	es) of
			stages of planning and	sanitary and	work among	behavior
			implementation of	hygienic	children and	aimed at
			community programs for	education	adults in order	maintaining
			the prevention of the most		to form a	and
			common diseases	among		
			IOTC 2.2 Is able to:	patients (their	healthy	improving the level of
				legal	lifestyle and	
			conduct health and	representative s), medical	prevent the	somatic
			hygiene education among		most common	health;
			children and adults (their	workers; basic health-	diseases; to form in	formation of healthy
			legal representatives) and medical workers in order			-
				improving	children and	lifestyle
			to form a healthy lifestyle	hygiene	adults (their	programs,
			and prevent the most	measures that	legal	including
			common diseases; to	promote	representative	programs to
			carry out sanitary and	health and	s) behavior	reduce
			educational work among	prevent the	aimed at	alcohol and
			children and adults in	most common	maintaining	tobacco
			order to form a healthy	diseases;	and improving the level of	consumption
			lifestyle and prevent the	fundamentals		, prevent
			most common diseases; to	of preventive	somatic	and combat
			form in children and	medicine;	health;	the non-
			adults (their legal	stages of	develop and	medical
			representatives) behavior	planning and	implement	consumption
			aimed at maintaining and	implementatio	programs for	of narcotic
			improving the level of	n of	the formation	drugs and
			somatic health; develop	community	of a healthy	psychotropic
			and implement programs	prevention	lifestyle,	substances;
			for the formation of a	programs	including	development
			healthy lifestyle,		programs to	of a plan of
			including programs to		reduce the	preventive
			reduce the consumption		consumption	measures
			of alcohol and tobacco,		of alcohol and	and the
			prevent and combat the		tobacco,	implementat
			non-medical consumption		prevent and	ion of
			of narcotic drugs and		combat the	methods of
			psychotropic substances;		non-medical	group and
			develop a plan of		consumption	individual
			preventive measures and		of narcotic	prevention
			implement methods of		drugs and	of the most
			group and individual		psychotropic	common
			prevention of the most		substances;	diseases;

			common diseases;		develop a plan	prescribing
			prescribe preventive		of preventive	preventive
			measures to patients,		measures and	measures for
			taking into account risk		implement	children and
			factors for the prevention		methods of	adults,
			and early detection of		group and	taking into
			diseases, including		individual	account risk
			cancer; select and		prevention of	factors,
			prescribe drugs and non-		the most	oncological
			drug methods for the		common	and hygienic
			prevention of the most		diseases;	prevention
			common diseases		prescribe	in
			IOTC 2.3 Has practical		•	accordance
					preventive	
			experience in: promotion		measures to	with the
			of a healthy lifestyle and		patients,	procedures
			prevention of the most		taking into	for
			common diseases;		account risk	providing
			carrying out sanitary-		factors for the	medical
			educational work among		prevention	care, clinical
			children and adults;		and early	recommenda
			formation in children and		detection of	tions, taking
			adults (their legal		diseases,	into account
			representatives) of		including	the
			behavior aimed at		cancer; select	standards of
			maintaining and		and prescribe	medical
			improving the level of		drugs and	care;
			somatic health; formation		non-drug	selection
			of healthy lifestyle		methods for	and
			programs, including		the prevention	prescription
			programs to reduce		of the most	of drugs and
			alcohol and tobacco		common	non-drug
			consumption, prevent and		diseases	methods for
			combat the non-medical		discuses	the
			consumption of narcotic			prevention
			drugs and psychotropic			of the most
			substances; development			common
			of a plan of preventive			diseases
			1 1			uiseases
			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			
6.	OPC-4	Able to use medical	IOTC 4.1 Knows the	Knows the	collect	Has
0.		devices provided for by	methodology for	methodology	complaints,	practical
		the order of medical care,	collecting anamnesis of	for collecting	anamnesis of	experien
		as well as conduct	life and diseases,	an anamnesis	life and	ce:
		examinations of the	complaints from patients	of life and	disease in	collectin
		patient in order to	(their legal	diseases,	patients (their	
1		Patient in Order 10	(uicii icgai	arseases,	Panents (men	g

representatives); method complaints legal complain of examination and from patients representative ts, physical examination; (their legal s), identify anamnes clinical picture, diagnostic risk factors representative is of life methods of the most s); method of and causes of and common diseases; examination disease the methods of laboratory and and physical development in patients instrumental studies for examination; of diseases; assessing the state of clinical apply methods (their health, medical legal picture, of indications for conducting diagnostic examination represent studies, rules for methods of and physical atives), interpreting their results; examination identifyi the most international statistical common of patients; ng risk classification of diseases diseases; interpret the factors and related health methods of results of the and problems (ICD); laboratory and examination causes of and physical conditions requiring instrumental diseases; emergency medical care; studies for examination examinat the procedure for the use assessing the of patients; ion and of medical devices in state of health. diagnose the physical accordance with the medical most common examinat current procedures for the indications for pathology in ion of provision of medical, conducting patients; patients; clinical recommendations identify risk studies, rules diagnosi (treatment protocols) on for factors for s of the the provision of medical interpreting cancer; most their results: care, care, taking into formulate a common account the standards of international preliminary diseases; medical care statistical diagnosis, identific draw up a plan IOPC 4.2 Is able to: classification ation of collect complaints, of diseases for conducting risk anamnesis of life and and related laboratory, factors disease from patients health instrumental for problems and additional (their legal major representatives), identify (ICD); studies in cancers; risk factors and causes of conditions patients in formulati diseases; apply methods accordance requiring ng a prelimin of examination and emergency with the procedures for physical examination of medical care: ary patients; interpret the order providing diagnosi medical care, results of the examination clinical and physical examination drawing of patients; diagnose the recommendati up a plan most common pathology ons, taking for in patients; identify risk into account instrume factors for cancer; the standards ntal, formulate a preliminary of medical laborator diagnosis, draw up a plan care; refer y, for conducting laboratory, additiona patients for instrumental and laboratory, 1 studies, additional studies in instrumental consultat patients in accordance and additional ions with with the procedures for studies in specialist providing medical care, accordance doctors; clinical recommendations, with the referral taking into account the current of patients standards of medical care; procedures for refer patients for the provision for of medical laboratory, instrumental instrume and additional studies in care, clinical ntal. accordance with the recommendati laborator current procedures for the ons, taking provision of medical care, into account additiona

establish a diagnosis

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, 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 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

the standards of medical care; refer patients for consultations to specialist doctors in accordance with the procedures for providing medical care, clinical recommendati ons, 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 current procedures for the provision of medical, clinical recommendati ons (treatment protocols) on

l studies, consultat ions of medical specialist s in accordan ce with the current procedur es for the provisio n of medical care, clinical recomme ndations, taking into account the standard s of medical care; interpret ation of data from additiona (laborato ry and instrume ntal) examinat ions of patients: making a prelimin ary diagnosi s in accordan ce with the internati onal statistica classifica tion of diseases and related health problems (ICD); carrying out differenti al

			with the current		the provision	diagnosti
			procedures for the		of medical	cs of
			provision of medical care,		care, care,	diseases;
			clinical recommendations,		taking into	recogniti
			taking into account the		account the	on of
			standards of medical care;		standards of	conditio
			interpretation of data from		medical care	ns
			additional (laboratory and			arising
			instrumental)			from
			examinations of patients;			sudden
			making a preliminary			acute
			diagnosis in accordance			diseases,
			with the international			exacerba
			statistical classification of			tion of
			diseases and related			chronic
			health problems (ICD);			diseases
			carrying out differential			without
						obvious
			diagnostics of diseases;			signs of
			recognition of conditions arising from sudden acute			a threat
						to the
			diseases, exacerbation of chronic diseases without			
						patient's
			obvious signs of a threat			life and
			to the patient's life and			requiring
			requiring emergency			emergen
			medical care; the use of			cy
			medical devices in			medical
			accordance with the			care; the
			current procedures for the			use of
			provision of medical,			medical
			clinical recommendations			devices
			(treatment protocols) on			in
			the provision of medical			accordan
			care, assistance taking			ce with
			into account the standards			the
			of medical care			current
						procedur
						es for the
						provisio
						n of
						medical,
						clinical
						recomme
						ndations
						(treatme
						nt
						protocols
						) on the
						provisio
						n of
						medical
						care,
						assistanc
						e taking
						into
						account
						the
						standard
						s of
						medical
						care
7.	OPC-5	Able to assess	IOPC-5.1 Knows:	anatomy,	evaluate the	skills in
/.		morphofunctional,	anatomy, histology,	histology,	main	assessing
		physiological conditions	embryology, topographic	embryology,	morphofuncti	basic
	I.	Physiological collations	omorjorogy, topographic	Jinoi yology,	12	Jusic

	and pathological processes in the human body to solve professional problems	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 conditions and pathological processes in the human body when solving professional problems	topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems	onal data, physiological conditions and pathological processes in the human body	morphologic al and functional data, physiologica l 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 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	methodology for collecting complaints and anamnesis from patients (their legal representative s); 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 recommendati ons, taking into account the standards of medical care; clinical signs of major medical emergencies; principles of	recognize conditions requiring emergency medical care, including in emergency situations, epidemics and in areas of mass destruction, requiring emergency medical care; organize the work of medical personnel in emergency situations, in emergency situations, epidemics and in the centers of mass destruction; provide emergency 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)	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 emergency medical care; provision of emergency medical care to patients in conditions

personnel in emergency situations, petdemics and in the centers of mass destruction; provide emergency medical care to potients 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 personal protective equipment; organize patient care. provide primary health care of conditions that pose a threat to the human body (blood circulation and (or) respiration); use personal in emergency situations, epidemics and medical experience in: assessing a condition requiring medical care in an emergency form, including in emergency situations, epidemics and in centers of mass in centers of mass destruction; perform basic cardiopulmomary resuscitation; use personal protective equipment; organize patient care, provide primary health care.  IOPC -5. 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; perform basic cardiopulmomary resuscitation; use personal protective equipment; organize patient care, provide primary health care in the care in an emergency form, including in emergency situations, epidemics and in centers of mass destruction; perform basic cardiopulmomary resuscitation; use personal protective equipment; organization, requiring emergency enditions that pose a threat to the fire of patients in conditions that pose a threat to the fire of patients, including clinical death (care; provision of emergency emedical care in the provision of emerg							
situations, in emergency stituations, and in the centers of mass distraction; 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 medical care in emergency conditions; perform basic cardiopulmonary resuscitation; use personal protective equipment; organize patient care, provide primary health care long-time and more conditions that pose a threat to the life of patients, including in emergency conditions; perform basic cardiopulmonary resuscitation; use personal protective equipment; organize patient care, provide primary health care long-time to the life of patients, including in emergency form, including in emergency in edical care in conditions that pose a threat to the life of patients, including clinical death (stopping of vital functions of the human body) (blood circulation and (or) respiration); the use of emergency medical care; provision of 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 of vital functions of the human body) (blood circulation and (or) respiration); the use of drugs and medical devices in the vital functions of the human body (blood circulation and (or) respiration); the use of drugs and medical care in mergency equipment; organization of patient care, provision of primary medical even in the provision of patient care, provision of primary medical even in the provision of primary medical even in the provision of patient care, provision of primary medical even in the provision of patient c				personnel in emergency	medical	respiration);	that pose a
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drug treatment, medical indications for the use of medical devices for the most common diseases; groups of drugs used to provide medical care in the treatment of the most common diseases: the mechanism of their action, medical indications and contraindications to the appointment; compatibility, possible complications, side effects, adverse reactions, including serious and unforeseen; features of medical care in emergency forms 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 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

effectiveness and safety

drug for patients with the most treatment, medical common indications for diseases in the use of accordance medical with the devices for the procedures for most common providing diseases; medical care, clinical groups of drugs used to recommendati provide ons, taking medical care into account in the the standards treatment of of medical the most care; prevent common or eliminate diseases; the complications, mechanism of side effects, their action. adverse medical reactions. indications including and unforeseen contraindicati ones, resulting ons to the from appointment; diagnostic or compatibility, therapeutic manipulations, possible complications, the use of side effects, drugs and (or) undesirablee medical reactions, devices, nonincluding drug treatment serious and unexpected; features of the provision of

medical care

in emergency

forms.

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

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 nondrug treatment in patients with the most common diseases; selection and prescription of non-drug treatment for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines, 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

provision of medical care, clinical recommenda tions, taking into account the standards of medical care; evaluation of the effectivenes s and safety of the use of drugs, medical devices and non-drug treatment in patients with the most common diseases; selection and prescription of non-drug treatment for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; prevention and treatment of complicatio ns, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic therapeutic

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						manipulatio
						ns, the use
						of drugs and (or) medical
						devices,
						non-drug
						treatment;
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						medical care
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						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
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						emergency
1.0	OPC-8	A1.1. (- '1	IODC 0.1 IV		11	form
10.	OPC-8	Able to implement and monitor the effectiveness	IOPC 8.1 Knows: the procedures for organizing	procedures for	develop an action plan for	skills in drawing up
		of the patient's medical	medical rehabilitation,	organizing medical	the medical	a plan of
		rehabilitation, including	including the	rehabilitation,	rehabilitation	measures for
		the implementation of	implementation of	including the	of patients,	the medical
		individual rehabilitation	individual programs for	implementatio	including the	rehabilitatio
		and habilitation programs	the rehabilitation and	n of individual	implementatio	n of a
		for the disabled, to assess	habilitation of disabled	rehabilitation	n of individual	patient,
		the patient's ability to	people; methods of	and	programs for	including
		work	medical rehabilitation of	habilitation	the	the
			the patient, including in	programs for disabled	rehabilitation and	implementat ion of
			the implementation of individual rehabilitation	people;	and habilitation of	individual
			and habilitation programs	methods of	disabled	programs
			for disabled people,	medical	people, in	for the
			medical indications and	rehabilitation	accordance	rehabilitatio
			medical contraindications	of the patient,	with the	n and
			for their implementation,	including in	current	habilitation
			taking into account the	the	procedure for	of disabled
			diagnosis in accordance	implementatio	organizing	people, in
			with the current procedures for organizing	n of individual rehabilitation	medical rehabilitation,	accordance with the
			medical rehabilitation,	and	clinical	current
			clinical recommendations,	habilitation	recommendati	procedure
			taking into account the	programs for	ons, taking	for medical
			standards of medical care;	disabled	into account	rehabilitatio
			ways to prevent or	people,	the standards	n, clinical
1	1		eliminate complications,	medical	of medical	recommenda
			side effects, adverse	indications	care;	tions, taking

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 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 IOPC 8.3 Has practical experience in: drawing up a plan of measures for the medical rehabilitation of a patient, including the

and medical contraindicati ons for their implementatio n, taking into account the diagnosis in accordance with the current procedures for organizing medical rehabilitation, clinical recommendati ons, taking into account the standards of medical care; ways to prevent or eliminate complications, side effects, adverse reactions, including serious and unforeseen мероприятий медицинской реабилитаци порядокэкспе ртизывремен нойнетрудос пособностии признакивре меннойнетру доспособност ипациента; признакистой когонарушен ияфункцийор ганизма, обусловленно гозаболевани ями. последствиям итравмилиде фектами

determine medical indications for medical rehabilitation measures in accordance with the current procedure for organizing medical rehabilitation, clinical recommendati ons, taking into account the standards of medical care: evaluate the effectiveness and safety of measures for the medical rehabilitation of patients, including the implementatio n of individual programs for the rehabilitation and habilitation of disabled people, in accordance with the current procedure for organizing medical rehabilitation, clinical recommendati ons, 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

into account the standards of medical care: carrying out medical rehabilitatio n measures for patients, including the implementat ion of individual programs for the rehabilitatio n and habilitation of disabled people, in accordance with the current procedure for organizing medical rehabilitatio n, clinical recommenda tions, taking into account the standards of medical care: evaluation of the effectivenes s and safety of measures for the medical rehabilitatio n of patients, including the implementat ion of individual programs for the rehabilitatio n and habilitation of disabled people;

defects

			implementation of 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 individual programs for the rehabilitation of individual programs for the rehabilitation and habilitation of disabled people:			
11.	OPC-9	Able to implement the principles of quality management in professional activities	people; 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 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 IOPC 9.3 Has practical experience: carrying out work to ensure internal quality control of medical	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	methodolog y 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	care for dental patients and the safety of medical activities  OPC 10.1 Knows: the	the	apply modern	a
12.	O1 O-10	tasks of professional activity using	possibilities of reference and information systems	possibilities of reference and	information and	methodolog y for using

		information, bibliographic resources, biomedical terminology, information and communication technologies, taking into account the basic requirements of information security	and professional databases; methods of information search, information and communication technologies; modern medical and biological terminology; basics of information security in professional activity IOPC 10.2 Able to: apply modern information and communication technologies to solve the problems of professional activity; to carry 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 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 requirements of	information systems and professional databases; methods of information search, information and communicatio n technologies; modern medical and biological terminology; basics of information security in professional activity	communication technologies to solve the problems of professional activity; to carry 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	modern information and bibliographi c resources, using special software and automated information systems to solve standard tasks of professional activity, taking into account the basic requirement s 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	information security  IOPC-11.1 Knows: scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system	scientific, research and production, design, organizational , managerial and regulatory	prepare scientific, research and production, design, organizational , managerial	methodolog y for compiling scientific, research and production, design,
			IOPC-11.2 Able to: prepare scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system	documentatio n in the healthcare system	and regulatory documentatio n in the healthcare system	organization al, managerial and regulatory documentati on in the healthcare system
14.	PC -1	Able to assess the condition of a patient requiring emergency or	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical	etiology, pathogenesis and	identify clinical signs of conditions	a method for detecting clinical

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		emergency medical care	picture, differential diagnosis, course features, complications and outcomes of diseases in rheumatology; 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  IPC 1.2 Able to: identify clinical signs of conditions requiring emergency or emergency medical care	pathomorphol ogy, clinical picture, differential diagnosis, course features, complications and outcomes of diseases in rheumatology; 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	requiring emergency or emergency medical care	signs of conditions requiring emergency or emergency medical care
15.	PC -2	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	IPC 2.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases in rheumatology; methodology for collecting complaints and anamnesis from patients (their legal representatives); methods of physical examination of patients (examination of patients (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the patient's condition, the	etiology, pathogenesis and pathomorphol ogy, clinical picture, differential diagnosis, course features, complications and outcomes of diseases in rheumatology; methodology for collecting complaints and anamnesis from patients (their legal representative s); methods of	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	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

			main medical indications	physical		
			for conducting research	examination		
			and interpreting the	of patients		
			results; clinical signs of	(examination,		
			sudden cessation of	palpation,		
			circulation and/or	percussion,		
			respiration	auscultation);		
				a list of		
			IPC 2.2 Is able to: identify	laboratory and		
			clinical signs of	instrumental		
			conditions requiring	research		
			emergency medical care;	methods for		
			identify conditions	assessing the		
			requiring emergency	patient's		
			medical care, including	condition, the		
			clinical signs of sudden	main medical		
			cessation of blood	indications for		
			circulation and breathing	conducting		
				research and		
				interpreting		
				the results;		
				clinical signs		
				of sudden		
				cessation of		
				circulation		
				and/or		
				respiration		
16.	PC -3	Able to provide	IPC	rules for basic	carry out	
		emergency medical care	3.1 Knows: basic	cardiopulmon	measures to	
		to patients in case of	cardiopulmonary	ary	provide	
		sudden acute diseases,	resuscitation rules;	resuscitation;	medical care	
		conditions, exacerbation	principles of operation of	principles of	in urgent and	
		of chronic diseases	devices for external	operation of	emergency	
		without obvious signs of a	electropulse therapy	devices for	forms; basic	
		threat to the patient's life,	(defibrillation); rules for	external	cardiopulmon	
		to provide emergency	performing external	electropulse	ary	
		medical care to patients in	electrical impulse therapy	therapy	resuscitation	
		conditions that threaten	(defibrillation) in case of	(defibrillation)	in	
		the patient's life,	sudden cessation of blood	; rules for	combination	
		including clinical death	circulation and / or	performing	with electrical	
		(suspension of vital	respiration	external	impulse	
		functions the human body		electrical	therapy	
		(circulation and/or	IPC 3.2 Knows how to:	impulse	(defibrillation)	
		respiration)	perform measures to	therapy		
			provide medical care in	(defibrillation)		
			urgent and emergency	in case of		
			forms; basic	sudden		
			cardiopulmonary	cessation of		
			resuscitation in	blood		
			combination with	circulation		
			electrical impulse therapy	and / or		
4.5	DC 4	A1.1. (	(defibrillation)	respiration		
17.	PC -4	Able to use medicines and	IPC	modern	prescribe	methods that
		medical devices in the	4.1 Knows: modern	methods of	medicines,	provide the
		provision of medical care	methods of using	using	medical	ability to
		in emergency or urgent	medicines, medical	medicines,	devices,	prescribe
		forms	devices for diseases and	medical	taking into	drugs,
			conditions in accordance	devices for	account the	medical
			with the current	diseases and	diagnosis, age	devices,
			procedures for the	conditions in	and clinical	taking into
			provision of medical care,	accordance	picture of the	account the
			clinical recommendations	with the	disease in	diagnosis,
			(treatment protocols) on	current	accordance	age and

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			the provision of medical	procedures for	with the	clinical
			care, taking into account	the provision	current	picture of
			the standards of medical care in the provision of	of medical care, clinical	procedures for the provision	the disease in
			medical care in	recommendati	of medical	accordance
			emergency or urgent	ons (treatment	care, clinical	with the
			forms;	protocols) on	guidelines	current
			the mechanism of action	the provision	(treatment	procedures
			of drugs, medical devices,	of medical	protocols) on	for the
			medical indications and	care, taking	the provision	provision of
			contraindications to their	into account	of medical	medical
			use; complications caused	the standards	care in	care, clinical
			by their use;	of medical	emergency or	guidelines
			principles of operation of	care in the	urgent forms	(treatment
			devices for external	provision of medical care		protocols)
			electropulse therapy (defibrillation);	in emergency		on the provision of
			rules for performing	or urgent		medical care
			external electrical impulse	forms;		in
			therapy (defibrillation) in	the		emergency
			case of sudden cessation	mechanism of		or
			of blood circulation and /	action of		emergency
			or respiration	drugs, medical		forms
				devices,		
			IPC 4.2	medical		
			Knows how to: prescribe	indications		
			medicines, medical	and		
			devices, taking into account the diagnosis, age	contraindicati ons to their		
			and clinical picture of the	use;		
			disease in accordance	complications		
			with the current	caused by		
			procedures for the	their use;		
			provision of medical care,	principles of		
			clinical guidelines	operation of		
			(treatment protocols) on	devices for		
			the provision of medical	external		
			care in emergency or	electropulse		
			urgent forms	therapy (defibrillation)		
				·		
				rules for		
				performing		
				external		
				electrical		
				impulse		
				therapy		
				(defibrillation)		
				in case of sudden		
				cessation of		
				blood		
				circulation		
				and / or		
				respiration		
18.	PC -5	Able to collect	IPC	Legislation of	to collect	methods,
		complaints, anamnesis of	5.1 Knows: The	the Russian	complaints,	including
		the patient's life and	legislation of the Russian	Federation in	anamnesis of	the
		illness, conduct a	Federation in the field of	the field of	life and	collection of
		complete physical	health care, regulatory	health care,	disease of the patient and	complaints, anamnesis
		examination of the patient (examination, palpation,	legal acts and other documents that determine	regulatory legal acts and	analyze the	of life and
		percussion, auscultation),	the activities of medical	other	information	disease of
		formulate a preliminary	organizations and medical	documents	received;	the patient
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diagnosis and draw up a workers; method of that determine conduct a and analyze plan for laboratory and collecting complaints, the activities complete the instrumental examinations anamnesis of life and of medical physical information of the patient disease of the patient; a examination organizations received; technique for a complete and medical of the patient conduct a physical examination of (examination, workers; complete the patient (examination, method of palpation, physical examination palpation, percussion, collecting percussion, auscultation); etiology, complaints, auscultation) of the anamnesis of and interpret pathogenesis and patient pathomorphology, clinical its results; life and (examinatio picture, differential disease of the determine the n, palpation, diagnosis, course features, patient; a sequence of percussion, complications and technique for volume, auscultation) outcomes of diseases in a complete content and and interpret rheumatology; physical sequence of its results; patterns of functioning of examination diagnostic determine a healthy human body and of the patient measures the sequence mechanisms for ensuring (examination, of volume, health from the standpoint palpation, content and of the theory of functional percussion, sequence of systems; features of the auscultation); diagnostic regulation of the etiology, measures functional systems of the pathogenesis human body in and pathological processes; pathomorphol methods of laboratory and ogy, clinical instrumental studies for picture, differential assessing the state of health, medical diagnosis, indications for conducting course studies, rules for features, interpreting their results complications and outcomes IPC 5.2 of diseases in Able to: collect rheumatology; patterns of complaints, anamnesis of functioning of life and disease of the patient and analyze the a healthy information received; human body conduct a complete and physical examination of mechanisms the patient (examination, for ensuring palpation, percussion, health from auscultation) and interpret the standpoint its results; determine the of the theory sequence of volume, of functional content and sequence of systems; diagnostic measures features of the regulation of the functional systems of the human body pathological processes; methods of laboratory and instrumental studies for assessing the state of health, medical indications for

				conducting		
				studies, rules		
				for		
				interpreting		
				their results		
19.	PC -6	Able to refer the patient	IPC 6.1	general issues	justify the	methods to
17.		for laboratory,	Knows: general issues of	of organizing	need and	justify the
		instrumental examination,	organizing medical care	medical care	scope of	need and
		for a consultation with	for the population,	for the	laboratory	scope of
		specialist doctors if there	methods of laboratory and	population,	examination	laboratory
		are medical indications in	instrumental studies to	methods of	of the patient;	examination
		accordance with the	assess the state of health,	laboratory and	justify the	of the
		current procedures for the	medical indications for	instrumental	need and	patient;
		provision of medical care,	conducting studies, rules	studies for	scope of	justify the
		clinical recommendations	for interpreting their	assessing the	instrumental	need and
		(treatment protocols) on	results; procedures for the	state of health,	examination	scope of
		the provision of medical	provision of medical care,	medical	of the patient;	instrumental
		care, taking into account	clinical recommendations	indications for	justify the	examination
		the standards of medical	(treatment protocols) on	conducting	need to refer	of the
		care, and also refer the	the provision of medical	studies, rules	the patient for	patient;
		patient for providing	care, standards of medical	for	consultations	justify the
		specialized medical care	care	interpreting	with specialist	need to refer
		in an inpatient setting or	IPC 6.2	their results;	doctors;	the patient
		in a day hospital if there	Able to: justify the need	procedures for	determine	for
		are medical indications in	and scope of laboratory	the provision	medical	consultation
		accordance with the	examination of the	of medical	indications for	s with
		current procedures for the	patient; justify the need	care, clinical	the provision	specialist
		provision of medical care,	and scope of instrumental	recommendati	of emergency,	doctors;
		clinical recommendations	examination of the	ons (treatment	including	determine
		(treatment protocols) on	patient; justify the need to	protocols) on	emergency	medical
		the provision of medical	refer the patient for	the provision	specialized,	indications
		care, taking into account	consultations with	of medical	medical care	for the
		the standards of medical	specialist doctors;	care,	incurcar care	provision of
		care	determine medical	standards of		emergency,
		care	indications for the	medical care		including
			provision of emergency,	medicar care		emergency
			including emergency			specialized,
			specialized, medical care			medical care
20.	PC -7	Able to make a	IPC 7.1	etiology,	analyze the	methods that
20.	10-7	differential diagnosis with	Knows: etiology,	pathogenesis	results of the	allow
		other diseases/conditions,	pathogenesis and	and	patient's	analyzing
		including emergencies, to	pathomorphology, clinical	pathomorphol	examination,	the results of
		establish a diagnosis	picture, differential	ogy, clinical	if necessary,	the patient's
		taking into account the	diagnosis, course features,	picture,	justify and	examination
		current international	complications and	differential	plan the scope	, if
		statistical classification of	outcomes of diseases in	diagnosis,	of additional	necessary,
		diseases and related	rheumatology;	course	studies;	substantiatin
		health problems (ICD)	methods of laboratory and	features,	interpret the	g and
		main problems (ICD)	instrumental studies for	complications	results of	planning the
			assessing the state of	and outcomes	collecting	scope of
			health, medical	of in	information	additional
			indications for conducting	rheumatology;	about the	studies;
			studies, rules for	methods of	patient's	interpret the
			interpreting their results;	laboratory and	disease;	results of
			ICD	instrumental	interpret the	collecting
			IPC 7.2	studies for	data obtained	information
			Able to: analyze the	assessing the	during the	about the
			results of the patient's	state of health,	laboratory	patient's
			examination, if necessary,	medical	examination	disease;
			justify and plan the scope	indications for	of the patient;	interpret the
			of additional studies;	conducting	interpret the	data
			interpret the results of	studies, rules	data obtained	obtained
			collecting information	for	during the	during the
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		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		consultations of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases	obtained during the instrumental examination of the patient; interpret the data obtained during consultation s of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases
tr d d p d d au ta d d p p tt tr	Able to develop a creatment 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, medical devices, clinical nutrition and other methods of treatment	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	cmodern 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	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 recommendati ons (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe medicines, medical	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 recommenda tions (treatment protocols) on the provision of medical

of non-drug treatment; medical indications and contraindications to its appointment; side effects, complications caused by its use

#### IPC 8.2

Able to: draw up a treatment plan for the disease and the patient's condition, taking into account the diagnosis, the age of the patient, the clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical 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

indications and contraindicati ons 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 recommendati ons (treatment protocols) on the provision of medical care, taking into account the standards of medical care: mechanism of action of nondrug treatment; medical indications and contraindicati ons to its appointment; side effects, complications caused by its use

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 recommendati ons (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 recommendati ons (treatment protocols) on the provision of medical care, taking into account the standards of medical care: evaluate the effectiveness and safety of the use of medicines, medical devices and clinical nutrition

the 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 recommenda tions (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 recommenda tions (treatment protocols) on the

provision of

						medical care, taking
						into account the
						standards of medical
						care;
						evaluate the effectivenes
						s and safety
						of the use of medicines,
						medical devices and
						clinical
22.	PC -9	Able to provide palliative	IPC-9.1 Knows: The	The procedure	Prescribe	nutrition methods that
22.	, 10 /	care in cooperation with	procedure for providing	for providing	medicines,	allow
		medical specialists and other medical	palliative care	palliative care	medical devices and	prescribing medicines,
		professionals	IPC 9.2 Able to: Prescribe medications, medical		nutritional	medical devices and
			devices and nutritional		therapy, taking into	medical
			therapy, taking into account the diagnosis, age		account the diagnosis, age	nutrition, taking into
			and clinical picture of the		and clinical	account the
			disease in accordance with the current		picture of the disease in	diagnosis, age and
			procedures for the		accordance	clinical
			provision of medical care, clinical guidelines		with the current	picture of the disease
			(treatment protocols) on the provision of medical		procedures for the provision	in accordance
			care, taking into account		of medical	with the
			the standards of medical care; prescribe non-drug		care, clinical guidelines	current procedures
			treatment taking into		(treatment	for the
			account the diagnosis, age and clinical picture of the		protocols) on the provision	provision of medical
			disease in accordance with the current		of medical care, taking	care, clinical recommenda
			procedures for the		into account	tions
			provision of medical care, clinical recommendations		the standards of medical	(treatment protocols)
			(treatment protocols) on		care; prescribe	on the
			the provision of medical care, taking into account		non-drug treatment	provision of medical
			the standards of medical care; evaluate the		taking into account the	care, taking into account
			effectiveness and safety		diagnosis, age	the
			of the use of medicines, medical devices and		and clinical picture of the	standards of medical
			clinical nutrition		disease in	care;
					accordance with the	prescribe non-drug
					current	treatment
					procedures for the provision	taking into account the
					of medical care, clinical	diagnosis, age and
					recommendati	clinical
					ons (treatment protocols) on	picture of the disease
					the provision	in

					of medical	accordance
					care, taking	with the
					into account the standards	current
					of medical	procedures for the
					care; evaluate	provision of
					the	medical
					effectiveness	care, clinical
					and safety of	recommenda
					the use of	tions
					medicines,	(treatment
					medical devices and	protocols) on the
					clinical	provision of
					nutrition	medical
						care, taking
						into account
						the
						standards of
						medical
						care; evaluate the
						effectivenes
						s and safety
						of the use of
						medicines,
						medical
						devices and clinical
						nutrition
23.	PC -10	Able to organize	IPC 10.1 Knows: modern	cmodern	prescribe	methods that
		personalized treatment of	methods of using	methods of	medicines,	allow
		the patient, including	medicines, medical	using	medical	prescribing
		pregnant women, elderly	devices and nutritional	medicines,	products and	medicines,
		and senile patients, evaluate the effectiveness	therapy for diseases and conditions in a patient in	medical devices and	medical nutrition,	medical devices and
		and safety of treatment	accordance with the	clinical	taking into	medical
		and surety of treatment	current procedures for the	nutrition for	account the	nutrition,
			provision of medical care,	diseases and	diagnosis, age	taking into
			clinical guidelines	conditions in a	and clinical	account the
			(treatment protocols) on	patient in	picture of the	diagnosis,
			the provision of medical	accordance with the	disease in accordance	age and clinical
			care, taking into account the standards of medical	current	with the	picture of
			care; the mechanism of	procedures for	current	the disease
			action of drugs, medical	the provision	procedures for	in
			products and medical	of medical	the provision	accordance
			nutrition, medical	care, clinical	of medical	with the
			indications and contraindications to their	guidelines (treatment	care, clinical recommendati	current procedures
			use; complications caused	protocols) on	ons (treatment	for the
			by their use; modern	the provision	protocols) on	provision of
			methods of non-drug	of medical	the provision	medical
			treatment of diseases and	care, taking	of medical	care, clinical
			conditions in a patient in	into account	care, taking	recommenda
			accordance with the	the standards	into account	tions
			current procedures for the provision of medical care,	of medical care; the	the standards of medical	(treatment protocols)
			clinical recommendations	mechanism of	care; prescribe	on the
			(treatment protocols) on	action of	non-drug	provision of
			the provision of medical	drugs, medical	treatment	medical
			care, taking into account	products and	taking into	care, taking
			the standards of medical	medical	account the	into account
			care; mechanism of action	nutrition,	diagnosis, age	the

		of non-drug treatment; medical indications and contraindications to its appointment; side effects, complications caused by its useIPC 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 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	medical indications and contraindicati ons 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 recommendati ons (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 contraindicati ons to its appointment; side effects, complications	and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendati ons (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; 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 recommenda tions (treatment protocols) on the provision of medical care, taking into account the standards of medical care; evaluate the effectivenes s and safety of the use of medicial devices and clinical nutrition
24. PC -13	Able to refer a patient in need of medical rehabilitation to a specialist doctor for	IPC 13.1 Knows: measures for the medical rehabilitation of the patient, medical	caused by its use measures for the medical rehabilitation of the patient,	determine medical indications for carrying out	methods that allow determining medical
	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 habilitation program persons with disabilities,	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	medical indications and contraindicati ons for their implementatio n, taking into account the diagnosis in accordance with the current procedures for	medical rehabilitation measures, including when implementing an individual rehabilitation or habilitation program for disabled people, in accordance	indications for medical rehabilitatio n measures, including the implementat ion of an individual rehabilitatio n or habilitation program for

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 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 rehabilitation measures, including when implementing an individual rehabilitation or habilitation program for people with disabilities, 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; determine medical specialists to carry out rehabilitation measures for a patient in need of medical rehabilitation, taking into account the diagnosis and 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; perform measures for the medical rehabilitation of the 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; 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

the provision of medical care, clinical recommendati ons (treatment protocols) on the provision of medical care, taking into account the standards of medical care; medical indications and contraindicati ons to the appointment of spa treatment as a stage of the patient's medical rehabilitation; features of medical rehabilitation of elderly and senile patients

with the current procedures for the provision of medical care, clinical recommendati ons (treatment protocols) on the provision of medical care, taking into account the standards of medical care; determine medical specialists to carry out rehabilitation measures for a patient in need of medical rehabilitation, taking into account the diagnosis and in accordance with the current procedures for the provision of medical care, clinical recommendati ons (treatment protocols) on the provision of medical care, taking into account the standards of medical care; perform measures for the medical rehabilitation of the patient in accordance with the current procedures for the provision of medical care, clinical recommendati ons (treatment protocols) on the provision of medical care, taking into account the standards

disabled people, in accordance with the current procedures for the provision of medical care, clinical recommenda tions (treatment protocols) on the provision of medical care, taking into account the standards of medical care: determine medical specialists to carry out rehabilitatio n measures for a patient in need of medical rehabilitatio n, taking into account the diagnosis and in accordance with the current procedures for the provision of medical care, clinical recommenda tions (treatment protocols) on the provision of medical care, taking into account the standards of medical care; perform measures for the medical rehabilitatio n of the

			(treatment protocols) on		of medical	patient in
			the provision of medical		care; prescribe	accordance
			care, procedures for the		sanatorium-	with the
			provision of medical care		and-spa	current
			and taking into account		treatment to a	procedures
			the standards of medical		patient in need	for the
			care		of medical	provision of
					rehabilitation,	medical
					including	care, clinical
					when	recommenda
					implementing	tions
					an individual	(treatment
					rehabilitation	protocols)
					or habilitation	on the
					program for	provision of
					disabled	medical
					people, in	care, taking
					accordance	into account
					with the	the
					current	standards of
					clinical	medical
					recommendati	care;
					ons (treatment	prescribe
					protocols) on	sanatorium-
					the provision	and-spa
					of medical	treatment to
					care,	a patient in
					procedures for	need of medical
					the provision of medical	rehabilitatio
					care and	n, including
					taking into	when
					account the	implementin
					standards of	g an
					medical care	individual
					mearear care	rehabilitatio
						n or
						habilitation
						program for
						disabled
						people, in
						accordance
						with the
						current
						clinical
						recommenda
						tions
						(treatment
						protocols)
						on the
						provision of
						medical
						care,
						procedures
						for the
						provision of
						medical care
						and taking
						into account
						the
						standards of medical care
25	PC -16	Able to organize and	IPC 16.1 Knows: the	principles for	organize and	methods that
25.	1 C -10	control the	principles of the	the use of	conduct	allow
	1	control arc	principles of the	are use or	32	amow

		immunoprophylaxis of	application of specific and	specific and	immunoproph	organizing
		infectious diseases in the	non-specific prevention of	non-specific	ylaxis of	and
		adult population,	infectious diseases, the	prevention of	infectious	conducting
		prescribe preventive	national calendar of	infectious	diseases in the	immunoprop
		measures to patients,	preventive vaccinations	diseases, the	adult	hylaxis of
		taking into account risk	and the calendar of	national	population in	infectious
		factors in accordance with the current procedures for	preventive vaccinations	calendar of preventive	accordance with the	diseases in the adult
		the provision of medical	according to epidemic indications; legislation of	vaccinations	current	population
		care, clinical	the Russian Federation in	and the	procedures for	in
		recommendations	the field of health	calendar of	the provision	accordance
		(treatment protocols) on	protection, sanitary rules	preventive	of medical	with the
		the provision of medical	and regulations;	vaccinations	care, clinical	current
		care, taking into account	preventive measures	according to	recommendati	procedures
		the standards of medical	taking into account the	epidemic	ons (treatment	for the
		care, and monitor	diagnosis in accordance	indications;	protocols) on	provision of
		compliance with	with the current	legislation of	the provision	medical
		preventive measures	procedures for the	the Russian	of medical	care, clinical
			provision of medical care,	Federation in	care, taking	recommenda
			clinical recommendations	the field of	into account	tions
			(treatment protocols) on	health	the standards	(treatment
			the provision of medical	protection,	of medical	protocols)
			care, taking into account	sanitary rules	care; prescribe	on the
			the standards of medical	and	preventive	provision of
			care IPC 16.2 Able to:	regulations; preventive	measures to	medical
			organize and conduct	measures	patients, taking into	care, taking into account
			immunoprophylaxis of	taking into	account risk	the
			infectious diseases in the	account the	factors for the	standards of
			adult population in	diagnosis in	prevention	medical
			accordance with the	accordance	and early	care;
			current procedures for the	with the	detection of	prescribe
			provision of medical care,	current	diseases,	preventive
			clinical guidelines	procedures for	including	measures to
			(treatment protocols) on	the provision	socially	patients,
			the provision of medical	of medical	significant	taking into
			care, taking into account	care, clinical	diseases	account risk
			the standards of medical	recommendati		factors for
			care; prescribe preventive	ons (treatment		the
			measures to patients,	protocols) on		prevention
			taking into account risk	the provision of medical		and early detection of
			factors for the prevention and early detection of	care, taking		diseases,
			diseases, including	into account		including
			socially significant	the standards		socially
			diseases	of medical		significant
				care		diseases
26.	PC -19	Able to form healthy	I PC 19.1 Knows:	forms and	develop and	methods that
		lifestyle programs,	forms and methods of	methods of	implement	allow
		including programs to	sanitary and	sanitary and	programs for	developing
		reduce alcohol and	educational work on	educational	the formation	and
		tobacco consumption,		work on the	of a healthy	implementin
		prevent and combat non-	the formation of	formation of	lifestyle,	g healthy
		medical use of narcotic	elements of a healthy	elements of a	including	lifestyle
		drugs and psychotropic	lifestyle, including	healthy	programs to	programs,
		substances, evaluate the	programs to reduce	lifestyle,	reduce alcohol	including
		effectiveness of	alcohol and tobacco	including	and tobacco	programs to
		preventive work with patients	consumption, prevent	programs to reduce alcohol	consumption,	reduce alcohol and
		paucius	and combat the non-	and tobacco	prevent and combat the	tobacco
				consumption,	non-medical	consumption
			medical use of	prevent and	use of narcotic	, prevent
			narcotic drugs and	combat the	drugs and	and combat
			psychotropic	non-medical	psychotropic	the non-
		1				

			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	consumption of narcotic drugs and psychotropic substances	substances	medical use of narcotic drugs and psychotropic substances
27.	PC -22	Able to maintain medical records, including in electronic form	IPC 22.1 Knows: the legislation of the Russian 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	legislation of the Russian 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 telecommunic ations 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	fill in medical documentatio n, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommunic ations network "Internet" in professional activities	own methods that allow filling out medical documentati on, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommun ications network "Internet" in professional activities

	information s	systems	
	and informat	ion and	
	telecommuni	ications	
	network "Inte	ernet" in	
	professional a	activities	

## 4. Разделы дисциплины и компетенции, которые формируются при их изучении

No	Competence code	Title of discipline Section content in units	The content of
п/п			the section in
			teaching units
1.	UK – 1, 4, 5	Systemic lupus erythematosus. Antiphospholipid	1
	OPK – 1, 2, 4, 5, 6, 7, 10, 11	syndrome.	
	PK – 1, 2, 3, 4, 5, 6, 7, 8,		
	9, 10, 13, 16, 19, 22		
2.	UK – 1, 4, 5	Systemic scleroderma. Idiopathic inflammatory	1
	OPK - 1, 2, 4, 5, 6, 7, 10	myopathies (polymyositis, dermatomyositis).	
	PK - 1, 2, 3, 4, 5, 6, 7, 8,	Rheumatic polymyalgia.	
	9, 10, 19, 22	1 , , ,	
3.	UK-1, 4, 5	Systemic vasculitis.	1
	OPK - 1, 2, 4, 5, 6, 7, 10		
	PK – 1, 2, 3, 4, 5, 6, 7, 8,		
	9, 10, 19, 22		

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

Type of educational work	Labor i	ntensity	Labor intensity (AH) in
	volume in	volume in	semesters
	credit units	academic	11
	(CU)	hours (AH)	
Classroom work, including			
Lectures (L)	0,11	4	4
Laboratory practicum (LP)*			
Practicals (P)	0,5	18	18
Seminars (S)			
Student's individual work (SIW)	0,39	14	14
Mid-term assessment			
credit/exam (specify the type)			
TOTAL LABOR INTENSITY	1	36	36

#### 6. Content of the academic discipline

6.1. Sections of the discipline and types of academic work

п/№	№ of semester	Name of the section of the academic discipline	Types of academic work* (in AH)					
		•	L	LP	P	S	SIW	total
1	12	Systemic lupus erythematosus. Antiphospholipid syndrome.	2			6	4	12
2	12	Systemic scleroderma. Idiopathic inflammatory myopathies (polymyositis, dermatomyositis). Rheumatic polymyalgia.	2			6	4	12
3	12	Systemic vasculitis. Credit test.				6	6	12
		TOTAL	4			18	14	36

 $<sup>\</sup>ast$  - L - lectures; LP - laboratory practicum; P - practicals; S - seminars; SIW - student's individual work.

## 6.2. Thematic schedule of educational work types:

#### 6.2.1 Thematic schedule of lectures

	Name of lecture topics	Volume in AH
$N_{\underline{0}}$		
п/п		4
1	Systemic scleroderma. Idiopathic inflammatory myopathies. Etiology,	
	pathogenesis, clinical manifestations. Diagnostic criteria. Modern	2
	therapy. Differential diagnosis.	
2	Osteoarthritis. Microcrystalline arthritis.	2
	TOTAL (total - AH)	4

## 6.2.2. The thematic plan of laboratory practicums (if this type of classes is stipulated inthe curriculum)

#### 6.2.3. Thematic plan of practicals

№ п/п	Name of the topics of practicals	Semester 11
1	Systemic lupus erythematosus. Antiphospholipid syndrome.	6

3	Systemic scleroderma. Idiopathic inflammatory myopathies (polymyositis, dermatomyositis). Rheumatic polymyalgia.	6
4	Systemic vasculitis. Credit test.	6
	TOTAL (total - AH)	18

## 6.2.4. Thematic plan of seminars (if this type of classes is stipulated in the curriculum)

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

$N_{\underline{0}}$	Types and topics of SIW	Volume in AH
		Semester 11
1	Writing case histories, essays	2
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)	2
4	work with electronic educational resources hosted on the PIMU educational portal	4
5	work with literary and other sources of information on the section under study, including in an interactive form	4
	TOTAL (total - AH)	14

#### 6.7 Student research: not included in the curriculum.

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

No॒	Semester No.	Types of control	Name of section of academic discipline		Competence cod	es
				виды	types	кол-во вариантов тестовых заданий
1	2	3	4	5	6	7
			Systemic lupus erythematosus.	Tests	20	Unlimited (computer testing)
			Antiphospholipid	Situational tasks	1	20
1.	9	Control of mastering the topic. Monitoring the student's individual work	syndrome. Systemic scleroderma. Idiopathic inflammatory myopathies (polymyositis, dermatomyositis). Rheumatic polymyalgia.	Report	1	20
2.	9	Control of mastering the	Systemic lupus erythematosus.	Tests	20	Unlimited (computer testing)
		topic. Monitoring	or y mornacosus.	Situational tasks	1	20

		the student's	Antiphospholipid	Реферат		
		individual work	syndrome.			
			Systemic scleroderma.			
			Idiopathic inflammatory		1	20
			myopathies		I	20
			(polymyositis,			
			dermatomyositis).			
			Rheumatic polymyalgia.			
			Systemic lupus	Tests	20	Unlimited
		Control of	erythematosus.		20	(computer testing)
		mastering the	Antiphospholipid	Situational tasks	1	20
3.	9	topic. Monitoring	1 1 1	Presentation	1	20
		the student's	syndrome.			
		individual work				

# 8. Educational, methodological and informational supportfor mastering the academic discipline (printed, electronic publications, the Internet and other network resources)

8.1. Key literature references

$N_{\underline{o}}$	Name according to bibliographic requirements	Number	of copies
JVO		at the department	В библиотеке
1.	Longo Dan l. <u>Harrison's principles of internal</u> medicine. V.1. McGraw-Hill, 2012		15
2.	Longo Dan I. <u>Harrison's principles of internal</u> medicine. V.2. McGraw-Hil, 2012		15
3.	Current practice guidelines in primary care / J. S. Esherick, D. S. Clark, E. D. Slater. – New York: McGraw-Hill, 2013. – 402 p.: il. ISBN 978-0-07-179750-4.		25
4.	Clinical medicine / edited by <u>P. Kumar</u> , <u>M. Clark</u> . – 8th ed. – Edinburgh : Saunders, 2012. – 1286 p.: il.		50
5.	Davidson's principles and practice of medicine / edited by <u>C. Haslett</u> , <u>J. A. A. Hunter</u> . – 19th ed. – Edinburgh: Churchill Livingstone, 2002. – 1274 с.: мяг.		20

#### 8.2. Further reading

N₀	Name according to bibliographic requirements	Number	of copies
JV		at the department	В библиотеке
1.	Cardiology / D. G. Julian, <u>J. C. Cowan</u> , <u>J. M. McLenachan</u> . – 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 / M. H. Cameron. –	10	
	Philadelphia: W.B.Saunders Company, 1999.	10	
	– 490 с.: ил. мяг.		
5.	Emergency Medicine / L. Stead. – [б. м.]		
	Lippincott Williams & Wilkins, 2000. –	5	
	673p.		

# 8.3. Перечень методических рекомендаций для самостоятельной работы студентов:

No	Наименование согласно	Количество На кафедре 2	экземпляров	
745	библиографическим требованиям	На кафедре	В библиотеке	
3.	Strongin L. G. <u>Interpretation of ECG data:</u> textbook for the international english speaking medical students. Publishing House of NNSMA, 2014 68 p.	2	15	
4.	Strongin L. G. Guide to case report writing, history taking and physical examination: textbook for the international english speaking medical students. 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 teachingacademic subjects

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

Name of the electronic resource	Brief description (content)	Access conditions	Number of users
Internal electronic library system	Proceedings of the teaching staff of the Academy: textbooks and teaching aids, monographs, collections of scientific papers, scientific articles, dissertations, abstracts of dissertations, patents.	Internet, using an individual login and password [Electronic resource] -	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	Electronicdatabase "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:http://ww w.studmedlib.ru/	Generalsubscripti onof PMU
2	Electroniclibrarysystem "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: http://www.book s-up.ru/	Generalsubscripti onof 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 Bibliopoisk search engine is open:http://bibliosearch.ru/pimu.	Generalsubscripti onof PMU
4	Domesticelectronicperio dicals	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] -	
			Моdедоступа:ht	
			tps://elibrary.ru/	
5	International	Web of Science covers	Free access from	Free access from
	Scientometric Database	materials on natural,	PIMU	PMU computers
	«Web of Science Core	technical, social,	computers	
	Collection»	humanitarian sciences;	[Electronic	
		takes into account the	resource] -	
		mutual citation of	Access to the	
		publications developed	resource	
		and provided by	at:http://apps.we	
		Thomson Reuters; has	bofknowledge.c	
		built-in search, analysis	om	
		and management of		
		bibliographic		
		information.		

8.3.3 Open access resources

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

		Accessmode: https://elibrary.ru/	
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:https://cyberleninka.ru/	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:http://www.rsl.ru/	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:http://www.consultant.ru/	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: cr.rosminzdrav.ru - 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: www.spulmo.ru - Russian Respiratory Society www.scardio.ru - 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: www.rnmot.ru - 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

Ite m 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 TECHNOLOG IES"	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 Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the		Browser	«Yandex»	3722	23618/HN1003 0 LLC "Softline Trade" from 04.12.2020
	Ministry of Health of Russia	170	Office Application	Microsoft		

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

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

> Department of Name of the department

#### **CHANGE REGISTRATION SHEET**

## working program for the academic discipline

	NAME OF THE ACADEMIC DISCIPLINE						
Field of	study / specialty / scie	entific specialty:					
		•	(code, na	eme)			
Training	g profile:	e) - for master's degree programs					
	(name	e) - for master's degree programs					
Mode o	f study:						
full-time/i	mixed attendance mode/ext	ramural	<del></del>				
Position	Number and name of the program section	Contents of the changes made	Effective date of the changes	Contributor's signature			
1							
	,						
Approve	ed at the department m	eeting					
Protoco	l Noof	20					
Head of	the Department	/					
departr	nent name, academic title	signature	print name				