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 GASTROENTEROLOGY

Specialty:31.05.01 GENERAL MEDICINE

(code, name)

Qualification: GENERAL PRACTITIONER

Department: ENDOCRINOLOGY AND INTERNAL MEDICINE

Mode of study: FULL-TIME

Labor intensity of the academic discipline: 36 academic hours

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

Developers of the working program:

Nekrasova Tatyana Anatolyevna, Candidate of Medical Sciences, Associate Professor, Associate Professor of the Department of Endocrinology and Internal Medicine

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

(signature)

Head of the Department, MD, PhD, Associate professor Thurmao\_I.G. Pochinka

01 June 2021

AGREED

Deputy Head of EMA ph.d. of biology

Lovtsova L.V.

(signature)

01 June 2021

## 1. The purpose and objectives of mastering the academic disciplinefundamentals of gastroenterology(hereinafter – the discipline):

- 1.1. The purpose of mastering the discipline: (participation in formingthe relevant competencies).
  - 1.2. Tasks of the discipline:

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

### 1.3. Requirements to the deliverables of mastering the discipline

As a result of completing the discipline, the student should

#### Know:

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

#### Be able to:

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

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

#### **Possess:**

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

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

**2.1.** The disciplineFundamentals of gastroenterology refers to the corepart (or *the part formed by the participants of educational relations*) of Block 1 of GEP HE(Academic discipline index).

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

## 2.2. The followingknowledge, skills and abilities formed by previous academic disciplines are requiredfor mastering the discipline:

- 1. in the cycle of humanitarian and socio-economic disciplines (philosophy, bioethics; jurisprudence; history of medicine; Latin and foreign languages);
- 2. in the cycle of mathematical, natural science disciplines: physics, mathematics; medical informatics; chemistry; psychiatry, biology; biochemistry; anatomy; topographic

anatomy and operative surgery; histology, embryology, cytology; normal physiology; microbiology, virology; immunology; pathological anatomy, clinical pathological anatomy; pathophysiology, clinical pathophysiology; pharmacology

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

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

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

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

Mastering the disciplineaims at acquiring the following universal (UC) or/and general

professional (GPC) or/and professional (PC) competencies

					_	the discipline,
	Competen	The content of the	Code and name of	th	e students sho	ould:
No	ce code	competence (or its	the competence			
	00 00 00	part)	acquisitionmetric	know	be able to	possess
1.	UC-1	Able to carry out a	1.1 Knows: methods	methods of	receive new	the skills of
		critical analysis of	of critical analysis	critical	knowledge	researching
		problem situations	and evaluation of	analysis and	based on	the problem of
		based on a systematic	modern scientific	evaluation	analysis,	professional
		approach, develop an	achievements; basic	of modern	synthesis,	activity using
		action strategy	principles of critical	scientific	etc.; collect	analysis,
			analysis	achievemen	data on	synthesis and
			IUC 1.2 Able to: gain	ts; basic	complex	other methods
			new knowledge based	principles of critical	scientific	of intellectual
			on analysis, synthesis, etc.; collect data on		problems related to	activity;
			complex scientific	analysis,	related to	developing an action strategy
			problems related to		professional	to solve
			the professional field;		field; search	professional
			search for		for	problems
			information and		information	problems
			solutions based on		and	
			action, experiment		solutions	
			and experience		based on	
			IUC 1.3 Has practical		action,	
			experience:		experiment	
			researching the		and	
			problem of		experience	
			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	IUC 4.1 Knows: the	basics of	express	skills in
		communication	basics of oral and	oral and	your	compiling
		technologies,	written	written	thoughts in	texts in
		including in a foreign	communication in	communicat	Russian and	Russian and
		language(s), for	Russian and foreign	ion in	foreign	foreign
		academic and	languages, functional	Russian and	languages	languages
		professional	styles of the native	foreign	in business	related to
		interaction	language,	languages,	communicat	professional
			requirements for	functional	ion	activities;
			business	styles of the		experience in
			communication,	native		translating
			modern means of	language,		medical texts
			information and	requirement		from a foreign
			communication	s for		language into
			technologies	business		Russian;
			IUC 4.2	communicat		experience of
			Knows how to:	ion, modern		speaking
			express their thoughts	means of		Russian and
			in Russian and foreign languages in	information and		foreign languages
			business	communicat		languages
			communication	ion		
			IUC 4.3	technologie		
			Has practical	s		
			experience in:			
			compiling texts in			
			Russian and foreign			
			languages related to			
			professional			
			activities; experience			
			in translating medical			
			texts from a foreign			
			language into			
			Russian; experience			
			of speaking Russian			
2	UC-5	Able to englyze and	and foreign languages IUC 5.2 Is able to:	the main	aomnatantly	skills of
3.	00-3	Able to analyze and take into account the	competently, clearly	categories	competently , accessible	productive
		diversity of cultures	present professional	of	to express	interaction in
		in the process of	information in the	philosophy,	professional	a professional
		intercultural	process of	the laws of	information	environment,
		interaction	intercultural	historical	in the	taking into
			interaction; observe	developmen	process of	account
			ethical standards and	t, the	intercultural	national,
			human rights; analyze	foundations	interaction;	ethno-cultural,
			the features of social	of	observe	confessional
			interaction, taking	intercultural	ethical	characteristics
			into account national,	communicat	standards	; overcoming
			ethno-cultural,	ion; basic	and human	communicativ
			confessional	concepts of	rights;	e, educational,
			characteristics I UC 5.3 Has	human interaction	analyze the features of	ethnic, confessional
			practical experience:	in an	social	and other
			productive interaction	organizatio	interaction,	barriers in the
			in a professional	n organizatio	taking into	process of
			environment, taking	11	account	intercultural
<u> </u>	I	I	on an online it, taking	I	account	mor cultural

	T			T	T	T
			into account national,		national,	interaction
			ethno-cultural,		ethno-	
			confessional		cultural,	
			characteristics;		confessiona	
			overcoming		1	
			communicative,		characteristi	
			educational, ethnic,		cs	
			confessional and			
			other barriers in the			
			process of			
			intercultural			
			interaction			
4.	GPC-1	Able to implement	IGPC 1.1 Knows:	foundations	apply	skills in
4.	GrC-1		basics of medical	of medical	apply ethical	
		moral and legal				solving
		norms, ethical and	ethics and	ethics and	standards	standard
		deontological	deontology;	deontology;	and	problems of
		principles in	fundamentals of	fundamenta	principles	professional
		professional activities	legislation in the field	ls of	of behavior	activity based
			of healthcare; legal	legislation	of a medical	on ethical
			aspects of medical	in the field	worker in	norms and
			practice	of	the	deontological
			IGPC 1.2 Is able to:	healthcare;	performanc	principles
			apply ethical norms	legal	e of their	when
			and principles of	aspects of	professional	interacting
			behavior of a medical	medical	duties;	with
			worker in the	practice	knowledge	colleagues and
			performance of their	1	of modern	patients (their
			professional duties;		legislation	legal
			knowledge of modern		in the field	representative
			legislation in the field		of	s), knowledge
			of healthcare in		healthcare	of the legal
			solving problems of		in solving	aspects of
			professional activity;		problems of	medical
			apply the rules and		professional	practice
			norms of interaction		activity;	practice
					•	
			between a doctor and		apply the	
			colleagues and		rules and	
			patients (their legal		norms of	
			representatives)		interaction	
			IGPC 1.3 Has		between a	
			practical experience:		doctor and	
			solving standard		colleagues	
			problems of		and patients	
			professional activity		(their legal	
			based on ethical		representati	
			norms and		ves)	
			deontological			
			principles when			
			interacting with			
			colleagues and			
			patients (their legal			
			representatives),			
			knowledge of the			
						1
			legal aspects of			
<b>-</b>	GDC 2	Abla to conduct and	legal aspects of medical practice	the main	aandust	akilla ta
5.	GPC-2	Able to conduct and monitor the	legal aspects of	the main criteria for a	conduct sanitary and	skills to promote a

effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population

healthy lifestyle and methods of its formation; sociohygienic and medical aspects of alcoholism, drug addiction, substance abuse, the basic principles of their prevention; forms and methods of sanitary and hygienic education among patients (their legal representatives), medical workers; basic healthimproving hygiene measures that promote health and prevent the most common diseases: fundamentals of preventive medicine; stages of planning and implementation of community programs for the prevention of the most common diseases IGPC 2.2 Is able to: conduct health and hygiene education among children and adults (their legal representatives) and medical workers in order to form a healthy lifestyle and prevent the most common diseases; to carry out sanitary and educational work among children and adults in order to form a healthy lifestyle and prevent the most common diseases: to form in children and adults (their legal representatives) behavior aimed at maintaining and improving the level of somatic health; develop and

healthy lifestyle and methods of its formation; sociohygienic and medical aspects of alcoholism, drug addiction, substance abuse, the basic principles of their prevention; forms and methods of sanitary and hygienic education among patients (their legal representati ves). medical workers: basic healthimproving hygiene measures that promote health and prevent the most common diseases; fundamenta ls of preventive medicine; stages of planning and implementa tion of community prevention programs

hygienic education among children and adults (their legal representati ves) and medical workers in order to form a healthy lifestyle and prevent the most common diseases; to carry out sanitary and educational work among children and adults in order to form a healthy lifestyle and prevent the most common diseases: to form in children and adults (their legal representati ves) behavior aimed at maintaining and improving the level of somatic health: develop and implement programs for the formation of a healthy lifestyle, including programs to

reduce the

healthy lifestyle and prevent the most common diseases; carrying out sanitaryeducational work among children and adults; formation in children and adults (their legal representative s) of behavior aimed at maintaining and improving the level of somatic health: formation of healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical consumption of narcotic drugs and psychotropic substances; development of a plan of preventive measures and the implementatio n of methods of group and individual prevention of the most common diseases; prescribing preventive measures for children and

implement programs for the formation of a healthy lifestyle, including programs to reduce the consumption of alcohol and tobacco, prevent and combat the non-medical consumption of narcotic drugs and psychotropic substances; develop a plan of preventive measures and implement methods of group and individual prevention of the most common diseases; prescribe preventive measures to patients, taking into account risk factors for the prevention and early detection of diseases, including cancer; select and prescribe drugs and non-drug methods for the prevention of the most common diseases IGPC 2.3 Has practical experience in: promotion of a healthy lifestyle and prevention of the most common diseases; carrying out sanitary-educational work among children and adults; formation in children and adults (their legal representatives) of behavior aimed at maintaining and improving the level of somatic health; formation of healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical

consumptio n of alcohol and tobacco. prevent and combat the nonmedical consumptio n of narcotic drugs and psychotropi c substances; develop a plan of preventive measures and implement methods of group and individual prevention of the most common diseases; prescribe preventive measures to patients, taking into account risk factors for the prevention and early detection of diseases, including cancer; select and prescribe drugs and non-drug methods for the prevention of the most common diseases

adults, taking into account risk factors, oncological and hygienic prevention in accordance with the procedures for providing medical care, clinical recommendati ons, 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

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			consumption of			
			narcotic drugs and			
			psychotropic			
			substances;			
			development of a plan			
			of preventive			
			measures and the			
			implementation of			
			methods of group and			
			individual prevention			
			of the most common			
			diseases; prescribing			
			preventive measures			
			for children and			
			adults, taking into			
			account risk factors,			
			oncological and			
			_			
			hygienic prevention in accordance with			
			the procedures for			
			providing medical			
			care, clinical			
			recommendations,			
			taking into account			
			the standards of			
			medical care;			
			selection and			
			prescription of drugs			
			and non-drug			
			methods for the			
			prevention of the			
			most common			
			diseases			
6.	GPC-4	Able to use medical	IGPC 4.1 Knows the	Knows the	collect	Has practical
		devices provided for	methodology for	methodolog	complaints,	experience:
		by the order of	collecting anamnesis	y for	anamnesis	collecting
		medical care, as well	of life and diseases,	collecting	of life and	complaints,
		as conduct	complaints from	an	disease in	anamnesis of
		examinations of the	patients (their legal	anamnesis	patients	life and
		patient in order to	representatives);	of life and	(their legal	disease in
		establish a diagnosis	method of	diseases,	representati	patients (their
			examination and	complaints	ves),	legal
			physical examination;	from	identify risk	representative
			clinical picture,	patients	factors and	s), identifying
			diagnostic methods of	(their legal	causes of	risk factors
			the most common	representati	the	and causes of
			diseases; methods of	ves);	developmen	diseases;
			laboratory and	method of	t of	examination
			instrumental studies	examination	diseases;	and physical
			for assessing the state	and	apply	examination
			of health, medical	physical	methods of	of patients;
			indications for	examination	examination	diagnosis of
			conducting studies,	; clinical	and	the most
			rules for interpreting	picture,	physical	common
			their results;	diagnostic	examination	diseases;
			international	methods of	of patients;	identification
			statistical	the most	interpret the	of risk factors
			statistical	the most	interpret the	of risk factors

classification of diseases and related health problems (ICD); conditions requiring emergency medical care; the procedure for the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care IGPC 4.2 Is able to: collect complaints, anamnesis of life and disease from patients (their legal representatives), identify risk factors and causes of diseases; apply methods of examination and physical examination of patients; interpret the results of the examination and physical examination of patients; diagnose the most common pathology in patients; identify risk factors for cancer; formulate a preliminary diagnosis, draw up a plan for conducting laboratory, instrumental and additional studies in patients in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; refer patients for laboratory, instrumental and

common diseases: methods of laboratory and instrumenta 1 studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results: internationa 1 statistical classificatio n of diseases and related health problems (ICD); conditions requiring emergency medical care: order

the

and

results of examination physical examination of patients; diagnose the most common pathology in patients; identify risk factors for cancer: formulate a preliminary diagnosis, draw up a plan for conducting laboratory, instrumenta 1 and additional studies in patients in accordance with the procedures providing medical care. clinical recommend ations, taking into account the standards of medical care; refer patients for laboratory, instrumenta 1 and additional studies in accordance with the current procedures for the provision of medical care, clinical

for

for major cancers; formulating a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional studies, consultations with specialist doctors: referral of patients for instrumental, laboratory, additional studies. consultations of medical specialists in accordance with the current procedures for the provision of medical care, clinical recommendati ons, taking into account the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international statistical classification of diseases and related health problems (ICD);

additional studies in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care: refer patients for consultations to specialist doctors in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care: interpret and analyze the results of consultations with patients' specialists; interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; to carry out differential diagnostics of diseases in patients; identify clinical signs of sudden acute diseases, conditions, 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 IGPC 4.3 Has

recommend ations, taking into account the standards of medical care: refer patients for consultation s to specialist doctors in accordance with the procedures for providing medical care. clinical recommend ations, taking into account the standards of medical care; interpret and analyze the results of consultation s with patients' specialists; interpret and analyze the results of basic (clinical) and additional (laboratory, instrumenta 1) examination methods; to carry out differential diagnostics of diseases in patients; identify clinical signs of sudden

acute

carrying out differential diagnostics of diseases; recognition of conditions arising from sudden acute diseases. exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendati ons (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care

practical experience in: collecting complaints, anamnesis of life and disease in patients (their legal representatives), identifying risk factors and causes of diseases; examination and physical examination of patients; diagnosis of the most common diseases: identification of risk factors for major cancers; formulating a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional studies, consultations with specialist doctors; referral of patients for instrumental, laboratory, additional studies, consultations of medical specialists in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international statistical classification of diseases and related health problems (ICD); carrying out differential diagnostics of diseases; recognition

diseases, conditions. exacerbatio ns 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 recommend ations (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care

			of conditions arising			
			from sudden acute			
			diseases, exacerbation			
			of chronic diseases			
			without obvious signs			
			of a threat to the			
			patient's life and			
			requiring emergency			
			medical care; the use			
			of medical devices in			
			accordance with the			
			current procedures for			
			the provision of			
			medical, clinical			
			recommendations			
			(treatment protocols)			
			on the provision of			
			medical care,			
			assistance taking into			
			account the standards			
			of medical care			
7.	GPC-5	Able to assess	IGPC-5.1 Knows:	anatomy,	evaluate the	skills in
		morphofunctional,	anatomy, histology,	histology,	main	assessing
		physiological	embryology,	embryology	morphofunc	basic
		conditions and	topographic anatomy,	,	tional data,	morphological
		pathological	physiology,	topographic	physiologic	and functional
		processes in the	pathological anatomy	anatomy,	al	data,
		human body to solve	and physiology of	physiology,	conditions	physiological
		professional problems	human organs and	pathological	and	conditions and
			systems	anatomy	pathological	pathological
			IGPC 5.2 Able to:	and	processes in	processes in
			evaluate the basic	physiology	the human	the human
			morphological and	of human	body	body when
			functional data,	organs and		solving
			physiological	systems		professional
			conditions and			problems
			pathological			
			processes in the			
			human body IOPC 5.3 Has			
			practical experience:			
			assessment of basic			
			morphological and			
			functional data,			
			physiological			
			conditions and			
			pathological			
			processes in the			
			human body when			
			solving professional			
			problems			
8.	GPC-6	Able to organize	IGPC 6.1 Knows:	methodolog	recognize	skills in
ο.	01 0-0	patient care, provide	methods of collecting	y for	conditions	assessing a
		primary health care,	complaints and	collecting	requiring	condition
		ensure the	anamnesis from	complaints	emergency	requiring the
		organization of work	patients (their legal	and	medical	provision of
		and the adoption of	representatives);	anamnesis	care,	medical care
<u> </u>	I .	and the adoption of	representatives),	anaminesis	carc,	medical care

professional decisions in emergency conditions at the prehospital stage, in emergency situations, epidemics and in centers of mass destruction

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 IGPC 6.2 Is able to: recognize conditions requiring emergency medical care, including in emergency situations, epidemics and in centers of mass destruction, requiring emergency medical care; organize the work of medical personnel in emergency situations, in emergency situations, epidemics and in the centers of mass destruction: provide emergency medical care to

from patients (their legal representati ves); methods of physical examination of patients (examinatio palpation, percussion, auscultation ); principles and methods of providing medical care to patients in emergencie s, in emergency situations, epidemics and in areas of mass destruction in accordance with the procedures for providing medical care, clinical recommend ations, taking into account the standards of medical care: clinical signs of major medical emergencie s; principles of medical evacuation in emergency situations,

epidemics

including in emergency situations, epidemics and in areas of mass destruction. requiring emergency medical care; organize the work of medical personnel in emergency situations, in emergency situations, epidemics and in the centers of mass destruction; provide emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death (stopping the vital functions of the human body (blood circulation and (or) respiration); use medicines and medical devices in the provision of medical care in emergency conditions; perform

in an emergency form, including in emergency situations, epidemics and in centers of mass destruction; recognition of conditions that pose a threat to life. including the state of clinical death (stoppage of vital functions of the human body (blood circulation and (or) respiration), requiring emergency medical care; provision of emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death (stopping the vital functions of the human body (blood circulation and (or) respiration); the use of drugs and medical devices in the provision of medical care emergencies and epidemics; the use of personal protective

		patients in conditions	and in the	basic	equipment;
		that pose a threat to	centers of	cardiopulm	organization
		the life of patients,	mass	onary	of patient care,
		including clinical	destruction;	resuscitatio	provision of
		death (stopping the	principles	n; use	primary
		vital functions of the	health care	personal	medical -
		human body (blood		protective	health care
		circulation and (or)		equipment;	
		respiration); use		organize	
		medicines and		patient care,	
		medical devices in the		provide	
		provision of medical		primary	
		care in emergency		health care	
		conditions; perform		110011011 0011 0	
		basic			
		cardiopulmonary			
		resuscitation; use			
		personal protective			
		equipment; organize			
		patient care, provide			
		primary health care			
		IGPC-6.3 Has			
		practical experience			
		in: assessing a			
		condition requiring			
		medical care in an			
		emergency form,			
		including in			
		emergency situations,			
		epidemics and in			
		centers of mass			
		destruction;			
		recognition of			
		conditions that pose a			
		threat to life,			
		including the state of			
		clinical death			
		(stoppage of vital			
		functions of the			
		human body (blood			
		circulation and (or)			
		respiration), requiring			
		emergency medical			
		care; provision of			
		emergency medical			
		care to patients in			
		conditions that pose a			
		threat to the life of			
		patients, including			
		clinical death			
		(stopping the vital			
		functions of the			
		human body (blood			
		circulation and (or)			
		respiration); the use			
		of drugs and medical			
L	<u>                                      </u>	devices in the			
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			provision of medical			
			care in emergencies			
			and epidemics; the			
			use of personal			
			protective equipment;			
			organization of			
			patient care, provision			
			of primary medical -			
			health care			
9.	GPC-7	Able to prescribe	IGPC 7.1 Knows:	methods of	develop a	the skills to
		treatment and monitor	methods of drug and	drug and	treatment	develop a
		its effectiveness and	non-drug treatment,	non-drug	plan for	treatment plan
		safety	medical indications	treatment,	patients	for patients
			for the use of medical	medical	with the	with the most
			devices for the most	indications	most	common
			common diseases;	for the use	common	diseases in
			groups of drugs used	of medical	diseases in	accordance
			to provide medical	devices for	accordance	with the
			care in the treatment	the most	with the	current
			of the most common	common	procedures	procedures for
			diseases; the	diseases;	for	the provision
			mechanism of their	groups of	providing	of medical
			action, medical	drugs used	medical	care, clinical
			indications and	to provide	care,	guidelines,
			contraindications to	medical	clinical	taking into
			the appointment;	care in the	recommend	account the
			compatibility,	treatment of	ations,	standards of
			possible	the most	taking into	medical care;
			complications, side	common	account the	provision of
			effects, adverse	diseases;	standards of	emergency
			reactions, including serious and	the mechanism	medical	and urgent
			unforeseen; features		care;	medical care
			of medical care in	of their action,	prevent or eliminate	to patients with the most
			emergency forms	medical	complicatio	
			IGPC 7.2 Is able to:	indications	ns, side	diseases, in
			develop a treatment	and	effects,	accordance
			plan for patients with	contraindica	adverse	with the
			the most common	tions to the	reactions,	current
			diseases in	appointmen	including	procedures for
			accordance with the	t;	unforeseen	the provision
			procedures for	compatibilit	ones,	of medical
			providing medical	y, possible	resulting	care, clinical
			care, clinical	complicatio	from	guidelines,
			guidelines, taking	ns, side	diagnostic	taking into
			into account the	effects,	or	account the
			standards of medical	undesirable	therapeutic	standards of
			care; prevent or	e reactions,	manipulatio	medical care;
			eliminate	including	ns, the use	selection and
			complications, side	serious and	of drugs	prescription of
			effects, adverse	unexpected;	and (or)	medicines,
			reactions, including	features of	medical	medical
			unforeseen ones,	the	devices,	devices with
			resulting from	provision of	non-drug	the most
			diagnostic or	medical	treatment	common
			therapeutic	care in		diseases for
			manipulations, the	emergency		the treatment

use of drugs and (or) medical devices, nondrug treatment IGPC 7.3 Has practical experience in: developing a treatment plan for patients with the most common diseases in accordance with the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care; provision of emergency and urgent medical care to patients with the most common diseases, in accordance with the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care; selection and prescription of medicines, medical devices with the most common diseases for the treatment of the most common diseases in children and adults in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care: evaluation of the effectiveness and safety of the use of drugs, medical devices and non-drug treatment in patients with the most common diseases: selection and prescription of nondrug treatment for patients with the most

forms.

of the most common diseases in children and adults in accordance with the current procedures for the provision of medical care, clinical recommendati ons, taking into account the standards of medical care: evaluation of the effectiveness and safety of the use of drugs, medical devices and non-drug treatment in patients with the most common diseases: selection and prescription of non-drug treatment for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; prevention and treatment of complications, side effects, adverse reactions, including

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			common diseases in			unforeseen
			accordance with the			ones, resulting
			procedures for			from
			providing medical			diagnostic or
			care, clinical			therapeutic
			guidelines, taking			manipulations,
			into account the			the use of
			standards of medical			drugs and (or)
			care; prevention and			medical
			treatment of			devices, non-
			complications, side			drug
			effects, adverse			treatment;
			reactions, including			providing
			unforeseen ones,			medical care
			resulting from			to patients
			diagnostic or			with sudden
						acute diseases,
			therapeutic			· ·
			manipulations, the			conditions,
			use of drugs and (or)			exacerbation
			medical devices, non-			of chronic
			drug treatment;			diseases
			providing medical			without
			care to patients with			obvious signs
			sudden acute			of a threat to
			diseases, conditions,			the patient's
			exacerbation of			life in an
			chronic diseases			emergency
			without obvious signs			form; the use
			of a threat to the			of medicines
			patient's life in an			and medical
			emergency form; the			devices in the
			use of medicines and			provision of
			medical devices in the			medical care
			provision of medical			in an
			care in an emergency			emergency
			form			form
10.	GPC-8	Able to implement	IGPC 8.1 Knows: the	procedures	develop an	skills in
		and monitor the	procedures for	for	action plan	drawing up a
		effectiveness of the	organizing medical	organizing	for the	plan of
		patient's medical	rehabilitation,	medical	medical	measures for
		rehabilitation,	including the	rehabilitatio	rehabilitatio	the medical
		including the	implementation of	n, including	n of	rehabilitation
		implementation of	individual programs	the	patients,	of a patient,
		individual	for the rehabilitation	implementa	including	including the
		rehabilitation and	and habilitation of	tion of	the	implementatio
		habilitation programs	disabled people;	individual	implementa	n of individual
		for the disabled, to	methods of medical	rehabilitatio	tion of	programs for
		assess the patient's	rehabilitation of the	n and	individual	the
		ability to work	patient, including in	habilitation	programs	rehabilitation
		donney to work	the implementation of	programs	for the	and
			individual	for disabled	rehabilitatio	habilitation of
			rehabilitation and		n and	disabled
				people; methods of	n and habilitation	
			habilitation programs			people, in accordance
			for disabled people,	medical	of disabled	
			medical indications	rehabilitatio	people, in	with the
			and medical	n of the	accordance	current
			contraindications for	patient,	with the	procedure for

their implementation, taking into account the diagnosis in accordance with the current procedures for organizing medical rehabilitation, clinical recommendations. taking into account the standards of medical care; ways to prevent or eliminate complications, side effects, adverse reactions, including serious and unforeseen, resulting from medical rehabilitation measures; procedure for examination of temporary disability and signs of temporary disability of the patient; signs of persistent impairment of body functions due to diseases, consequences of injuries or defects IGPC 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

including in current the procedure implementa for tion of organizing individual medical rehabilitatio rehabilitatio n and n. clinical habilitation recommend ations, programs for disabled taking into account the people, medical standards of indications medical and medical care: contraindica determine tions for medical their indications implementa for medical tion, taking rehabilitatio into account n measures the in diagnosis in accordance accordance with the with the current current procedure procedures for for organizing organizing medical medical rehabilitatio rehabilitatio n, clinical n, clinical recommend recommend ations, ations. taking into account the taking into account the standards of medical standards of medical care; care; ways evaluate the to prevent effectivenes or eliminate s and safety complicatio of measures ns, side for the effects. medical adverse rehabilitatio reactions. n of including patients, serious and including unforeseen the мероприят implementa tion of иймедицин скойреабил individual итации; programs for the порядокэкс пертизывре rehabilitatio n and меннойнет рудоспособ habilitation

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of disabled

medical rehabilitation. clinical recommendati ons, taking into account the standards of medical care; carrying out medical rehabilitation measures for 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; evaluation of 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;

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 IGPC 8.3 Has practical experience in: drawing up a plan of measures for the medical rehabilitation of a patient, including the implementation of individual programs for the rehabilitation and habilitation of disabled people, in accordance with the current procedure for medical rehabilitation, clinical recommendations, taking into account the standards of medical care: carrying out medical rehabilitation measures for patients, including the implementation of individual programs

накивреме ннойнетру доспособн остипациен та; признакист ойкогонару шенияфунк цийорганиз ма, обусловлен ногозаболе ваниями. последстви ямитравми лидефекта ΜИ

people, in accordance with the current procedure for organizing medical rehabilitatio n, clinical recommend ations, taking into account the standards of medical care; determine signs of temporary disability and signs of permanent impairment of body functions due to diseases, consequenc es of injuries or defects

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			for the rehabilitation			
			and habilitation of			
			disabled people, in			
			accordance with the			
			current procedure for			
			organizing medical			
			rehabilitation, clinical			
			recommendations,			
			taking into account			
			the standards of			
			medical care;			
			assessment of the			
			effectiveness and			
			safety of measures for			
			the medical			
			rehabilitation of			
			patients, including the			
			implementation of			
			individual programs			
			for the rehabilitation			
			and habilitation of			
			disabled people;			
11.	GPC-9	Able to implement	IGPC 9.1 Knows:	basic	analyze the	methodology
		the principles of	basic concepts of the	concepts of	quality of	for conducting
		quality management	quality management	the quality	medical	work to ensure
		in professional	system of a medical	managemen	care for	internal
		activities	organization;	t system of	patients;	quality control
			requirements for	a medical	ensure	of the
			ensuring internal	organizatio	internal	provision of
			quality control and	n;	quality	medical care
			safety of medical	requirement	control and	to dental
			activities	s for	safety of	patients and
			IGPC 9.2 Is able to:	ensuring	medical	the safety of
			analyze the quality of	internal	activities;	medical
			medical care provided	quality	organize the	activities
			to patients; ensure	control and	work and	
			internal quality	safety of	monitor the	
			control and safety of	medical	performanc	
			medical activities;	activities	e of official	
			organize the work and	activities	duties of the	
			monitor the		medical	
			performance of		personnel at	
			official duties of the		their	
			medical personnel at		disposal	
			_		disposai	
			their disposal IGPC 9.3 Has			
			practical experience:			
			carrying out work to			
			ensure internal			
			quality control of			
			medical care for			
			dental patients and			
			the safety of medical			
10	CDC 10	A1.1.4. 1	activities	41	1	
12.	GPC-10	Able to solve	GPC 10.1 Knows: the	the	apply	a methodology
		standard tasks of	possibilities of	possibilities	modern	for using
	i e	professional activity	reference and	of reference	information	modern

		using information,	information systems	and	and	information
		bibliographic	and professional	information	communicat	and
		resources, biomedical	databases; methods of	systems and	ion	bibliographic
		terminology,	information search,	professional	technologie	resources,
		information and	information and	databases;	s to solve	using special
		communication	communication	methods of	the	software and
		technologies, taking	technologies; modern	information	problems of	automated
		into account the basic	medical and	search,	professional	information
		requirements of	biological	information	activity; to	systems to
		information security	terminology; basics	and	carry out an	solve standard
			of information	communicat	effective	tasks of
			security in	ion	search for	professional
			professional activity	technologie	information	activity,
			IGPC 10.2 Able to:	s; modern	necessary to	taking into
			apply modern	medical and	solve the	account the
			information and	biological	problems of	basic
			communication	terminology	professional	requirements
			technologies to solve	; basics of	activity	of information
			the problems of	information	using	security
			professional activity;	security in	reference	-
			to carry out an	professional	systems and	
			effective search for	activity	professional	
			information necessary		databases;	
			to solve the problems		use modern	
			of professional		medical and	
			activity using		biological	
			reference systems and		terminology	
			professional		; master and	
			databases; use		apply	
			modern medical and		modern	
			biological		information	
			terminology; master		and	
			and apply modern		communicat	
			information and		ion	
			communication		technologie	
			technologies in		s in	
			professional		professional	
			activities, taking into		activities,	
			account the basic		taking into	
			requirements of		account the	
			information security		basic	
			IGPC 10.3 Has		requirement	
			practical experience		s of	
			in: using modern		information	
			information and		security	
			bibliographic			
			resources, using			
			special software and			
			automated			
			information systems			
			to solve standard			
			tasks of professional			
			activity, taking into			
			account the basic			
			requirements of			
			information security			
13.	GPC-11	Able to prepare and	IGPC-11.1 Knows:	scientific,	prepare	methodology

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	apply scientific,	scientific, research	research	scientific,	for compiling
	research and	and production,	and	research	scientific,
	production, design,	design,	production,	and	research and
	organizational,	organizational,	design,	production,	production,
	managerial and	managerial and	organizatio nal,	design,	design,
	regulatory documentation in the	regulatory documentation in the	managerial	organizatio nal,	organizational, managerial
	healthcare system	healthcare system	and	managerial	and regulatory
	neartheare system	ileatticate system	regulatory	and	documentation
		IGPC-11.2 Able to:	documentati	regulatory	in the
		prepare scientific,	on in the	documentati	healthcare
		research and	healthcare	on in the	system
		production, design,	system	healthcare	
		organizational,		system	
		managerial and		-	
		regulatory			
		documentation in the			
		healthcare system			
14. PC -1	Able to assess the	IPC 1.1 Knows:	etiology,	identify	a method for
	condition of a patient	etiology,	pathogenesi	clinical	detecting
	requiring emergency	pathogenesis and	s and	signs of	clinical signs
	or emergency medical	pathomorphology,	pathomorph	conditions	of conditions
	care	clinical picture,	ology,	requiring	requiring
		differential diagnosis,	clinical	emergency	emergency or
		course features, complications and	picture, differential	or	emergency medical care
		outcomes of diseases	diagnosis,	emergency medical	medical care
		of the gastrointestinal	course	care	
		tract; methodology	features,	care	
		for collecting	complicatio		
		complaints and	ns and		
		anamnesis; physical	outcomes of		
		examination	diseases of		
		technique	the		
		(examination,	gastrointesti		
		palpation, percussion,	nal tract;		
		auscultation); a list of	methodolog		
		laboratory and	y for		
		instrumental research	collecting		
		methods for assessing the condition, the	complaints and		
		main medical	anamnesis;		
		indications for	physical		
		conducting research	examination		
		and interpreting the	technique		
		results in patients	(examinatio		
		requiring medical	n,		
		care in emergency or	palpation,		
		emergency forms	percussion,		
		ma 1 2 :::	auscultation		
		IPC 1.2 Able to:	); a list of		
		identify clinical signs	laboratory		
		of conditions	and		
		requiring emergency	instrumenta 1 research		
		or emergency medical care	methods for		
		Care	assessing		
		<u> </u>	assessing	I	

			the condition, the main medical indications for conducting research and interpreting		
			the results in patients requiring medical care in emergency or emergency forms		
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 of the gastrointestinal tract; methodology for collecting complaints and anamnesis from patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the patient's condition, the main medical indications for conducting research and interpreting the results; clinical signs of sudden cessation of circulation and/or respiration  IPC 2.2 Is able to: identify clinical signs of conditions	etiology, pathogenesis and pathomorph ology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of the gastrointestinal tract; methodolog y for collecting complaints and anamnesis from patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation	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

16.	PC -3	Able to provide emergency medical care to patients in case of sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life, to provide emergency medical care to patients in conditions that threaten the patient's life, including clinical death (suspension of vital functions the human body (circulation and/or respiration)	requiring emergency medical care; identify conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and breathing  IPC 3.1 Knows: basic cardiopulmonary resuscitation rules; principles of operation of devices for external electropulse therapy (defibrillation); rules for performing external electrical impulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration  IPC 3.2 Knows how to: perform measures to provide medical care in urgent and emergency forms; basic cardiopulmonary resuscitation in	); a list of laboratory and instrumenta l research methods for assessing the patient's condition, the main medical indications for conducting research and interpreting the results; clinical signs of sudden cessation of circulation and/or respiration rules for basic cardiopulm onary resuscitatio n; principles of operation of devices for external electropulse therapy (defibrillati on); rules for performing external electrical impulse therapy (defibrillati on) in case of sudden cessation of blood	carry out measures to provide medical care in urgent and emergency forms; basic cardiopulm onary resuscitatio n in combinatio n with electrical impulse therapy (defibrillati on)	
		*	care in urgent and emergency forms; basic cardiopulmonary	(defibrillati on) in case of sudden cessation of		
17.	PC -4	Able to use medicines and medical devices in the provision of	IPC 4.1 Knows: modern methods of using	modern methods of using	prescribe medicines, medical	methods that provide the ability to

medical care in medicines, medical medicines, devices, prescribe emergency or urgent devices for diseases medical taking into drugs, medical and conditions in devices for account the devices, forms accordance with the diseases diagnosis, taking into current procedures for and age and account the the provision of conditions clinical diagnosis, age medical care, clinical picture of in and clinical picture of the the disease recommendations accordance (treatment protocols) disease in with the in on the provision of accordance accordance current procedures medical care, taking with the with the into account the for the current current standards of medical provision of procedures procedures for care in the provision the provision medical for the of medical of medical care in provision of care. emergency or urgent clinical medical care, clinical forms; recommend guidelines care, the mechanism of ations clinical (treatment protocols) on action of drugs, guidelines (treatment medical devices. protocols) (treatment the provision medical indications protocols) of medical on the and contraindications provision of on the care in to their use: provision of emergency or medical complications caused care, taking medical emergency by their use; into account care in forms principles of the emergency operation of devices or urgent standards of for external medical forms electropulse therapy care in the (defibrillation); provision of rules for performing medical external electrical care in impulse therapy emergency (defibrillation) in case or urgent of sudden cessation forms; of blood circulation the and / or respiration mechanism of action of IPC 4.2 drugs. Knows how to: medical prescribe medicines, devices, medical devices, medical taking into account indications the diagnosis, age and and clinical picture of the contraindica disease in accordance tions to with the current their use; procedures for the complicatio provision of medical ns caused care, clinical by their use; guidelines (treatment principles protocols) on the of operation provision of medical of devices care in emergency or for external urgent forms electropulse therapy (defibrillati

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				on);		
				rules for		
				performing		
				external		
				electrical		
				impulse		
				therapy		
				(defibrillati		
				*		
				on) in case		
				of sudden		
				cessation of		
				blood		
				circulation		
				and / or		
				respiration		
18.	PC -5	Able to collect	IPC	Legislation	to collect	methods,
	]	complaints,	5.1 Knows: The	of the	complaints,	including the
		anamnesis of the	legislation of the	Russian	anamnesis	collection of
		patient's life and	Russian Federation in	Federation	of life and	complaints,
		illness, conduct a	the field of health	in the field	disease of	anamnesis of
		1				
		complete physical	care, regulatory legal	of health	the patient	life and
		examination of the	acts and other	care,	and analyze	disease of the
		patient (examination,	documents that	regulatory	the	patient and
		palpation, percussion,	determine the	legal acts	information	analyze the
		auscultation),	activities of medical	and other	received;	information
		formulate a	organizations and	documents	conduct a	received;
		preliminary diagnosis	medical workers;	that	complete	conduct a
		and draw up a plan	method of collecting	determine	physical	complete
		for laboratory and	complaints,	the	examination	physical
		instrumental	anamnesis of life and	activities of	of the	examination
		examinations of the	disease of the patient;	medical	patient	of the patient
		patient	a technique for a	organizatio	(examinatio	(examination,
		patient	complete physical	ns and	`	palpation,
			examination of the	medical	n, palpation,	
						percussion,
			patient (examination,	workers;	percussion,	auscultation)
			palpation, percussion,	method of	auscultation	and interpret
			auscultation);	collecting	) and	its results;
			etiology,	complaints,	interpret its	determine the
			pathogenesis and	anamnesis	results;	sequence of
			pathomorphology,	of life and	determine	volume,
			clinical picture,	disease of	the	content and
			differential diagnosis,	the patient;	sequence of	sequence of
			course features,	a technique	volume,	diagnostic
			complications and	for a	content and	measures
			outcomes of diseases	complete	sequence of	
			of the gastrointestinal	physical	diagnostic	
			tract;	examination	measures	
			patterns of	of the	measures	
			•			
			functioning of a	patient		
			healthy human body	(examinatio		
			and mechanisms for	n,		
			ensuring health from	palpation,		
			the standpoint of the	percussion,		
			theory of functional	auscultation		
			systems; features of	); etiology,		
			the regulation of the	pathogenesi		
			functional systems of	s and		
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		for		
		medical indications		
		health,		
		the state of		
		assessing		
		instrumenta 1 studies for		
		and		
		laboratory		
		methods of		
		processes;		
		pathological		
		tne numan body in		
		systems of the human		
		functional		
		of the		
		regulation		
	measures	the		
	of diagnostic	features of		
	content and sequence	systems;		
	sequence of volume,	functional		
	interpret its results; determine the	of the theory of		
	auscultation) and	standpoint		
	palpation, percussion,	the		
	(examination,	health from		
	of the patient	for ensuring		
	physical examination	mechanisms		
	conduct a complete	body and		
	and analyze the information received;	of a healthy human		
	disease of the patient	functioning of a healthy		
	anamnesis of life and	patterns of		
	complaints,	nal tract;		
	Able to: collect	gastrointesti		
	IPC 5.2	the		
		diseases of		
	their results	outcomes of		
	rules for interpreting	ns and		
	conducting studies,	complicatio		
	indications for	features,		
	of health, medical	course		
	for assessing the state	diagnosis,		
	laboratory and instrumental studies	picture, differential		
	processes; methods of	clinical		
	pathological	ology,		
	the human body in	pathomorph		

				C	1 1
	instrumental examination, for a consultation with specialist doctors if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care, and also refer the patient for providing specialized medical care in an inpatient setting or in a day hospital if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care	issues of organizing medical care for the population, methods of laboratory and instrumental studies to assess the state of health, medical indications for conducting studies, rules for interpreting their results; procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, standards of medical care IPC 6.2  Able to: justify the need and scope of laboratory examination of the patient; justify the need and scope of instrumental examination of the patient; justify the need to refer the patient for consultations with specialist doctors; determine medical indications for the provision of	organizing medical care for the population, methods of laboratory and instrumenta I studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; procedures for the provision of medical care, clinical recommend ations (treatment protocols) on the provision of medical care, standards of medical	scope of laboratory examination of the patient; justify the need and scope of instrumenta l examination of the patient; justify the need to refer the patient for consultation s with specialist doctors; determine medical indications for the provision of emergency, including emergency specialized, medical care	need and scope of laboratory examination of the patient; justify the need and scope of instrumental examination of the patient; justify the need to refer the patient for consultations with specialist doctors; determine medical indications for the provision of emergency, including emergency specialized, medical care
20. PC -7	Able to make a differential diagnosis with other diseases/conditions, including emergencies, to establish a diagnosis taking into account the current international statistical classification of diseases and related health problems (ICD)	IPC 7.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of the gastrointestinal tract; methods of laboratory and instrumental studies for assessing the state of health, medical indications	etiology, pathogenesi s and pathomorph ology, clinical picture, differential diagnosis, course features, complicatio ns and outcomes of diseases of the	analyze the results of the patient's examination , if necessary, justify and plan the scope of additional studies; interpret the results of collecting information about the	methods that allow analyzing the results of the patient's examination, if necessary, substantiating and planning the scope of additional studies; interpret the results of collecting information

		T	1	1	, , , , , , , , , , , , , , , , , , , ,
		for conducting studies, rules for interpreting their results; ICD IPC 7.2 Able to: analyze the results of the patient's examination, if necessary, justify and plan the scope of additional studies; interpret the results of collecting information about the patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret the data obtained during consultations of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases	gastrointesti nal tract; methods of laboratory and instrumenta l studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; ICD	patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during the instrumenta l examination of the patient; interpret the data obtained during the instrumenta l 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	about the patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret the data obtained during consultations of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases
21. PC -8	Able to develop a treatment plan for a disease or condition and prescribe drugs, medical devices, clinical nutrition and non-drug treatment, taking into account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account standards of medical care and evaluate the	IPC -8.1 Knows: modern methods of using medicines, medical devices and nutritional therapy for diseases and conditions in a patient in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care; the mechanism of action of drugs, medical	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,	diseases  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	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

effectiveness and safety of the use of medicines, medical devices, clinical nutrition and other methods of treatment

products and medical nutrition, medical indications and contraindications to their use; complications caused by their use; modern methods of non-drug treatment of diseases and conditions in a patient in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; mechanism of action of non-drug treatment; medical indications and contraindications to its appointment; side effects, complications caused by its use

IPC 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

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 contraindica tions to their use; complicatio ns 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 recommend ations (treatment protocols) on the provision of medical care, taking into account the

clinical

guidelines

(treatment

protocols)

medical care. clinical recommend ations (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 recommend ations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe non-drug treatment taking into account the

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 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 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

			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	standards of medical care; mechanism of action of non-drug treatment; medical indications and contraindica tions to its appointmen t; side effects, complications caused by its use	diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommend ations (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 medical devices and clinical nutrition	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
22.	PC -9	Able to provide palliative care in cooperation with medical specialists and other medical professionals	IPC-9.1 Knows: The procedure for providing palliative care  IPC 9.2 Able to: Prescribe medications, medical devices and nutritional therapy, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment	The procedure for providing palliative care	Prescribe medicines, medical devices and nutritional therapy, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the	methods that allow prescribing medicines, medical devices and medical nutrition, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision

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

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 recommend ations (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

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

		T				
					clinical	
					nutrition	
23.	PC -10	Able to organize	IPC 10.1 Knows:	cmodern	prescribe	methods that
		personalized	modern methods of	methods of	medicines,	allow
		treatment of the	using medicines,	using	medical	prescribing
		patient, including	medical devices and	medicines,	products	medicines,
		pregnant women,	nutritional therapy for	medical	and medical	medical
		elderly and senile	diseases and	devices and	nutrition,	devices and
		patients, evaluate the	conditions in a patient	clinical	taking into	medical
		effectiveness and	in accordance with	nutrition for	account the	nutrition,
		safety of treatment	the current	diseases	diagnosis,	taking into
			procedures for the	and	age and	account the
			provision of medical	conditions	clinical	diagnosis, age
			care, clinical	in a patient	picture of	and clinical
			guidelines (treatment	in	the disease	picture of the
			protocols) on the	accordance	in	disease in
			provision of medical	with the	accordance	accordance
			care, taking into	current	with the	with the
			account the standards	procedures	current	current
			of medical care; the	for the	procedures	procedures for
			mechanism of action	provision of	for the	the provision
			of drugs, medical	medical	provision of	of medical
			products and medical	care,	medical	care, clinical
			nutrition, medical	clinical	care,	recommendati
			indications and	guidelines	clinical	ons (treatment
			contraindications to	(treatment	recommend	protocols) on
			their use;	protocols)	ations	the provision
			complications caused	on the	(treatment	of medical
			by their use; modern	provision of	protocols)	care, taking
			methods of non-drug	medical	on the	into account
			treatment of diseases	care, taking	provision of	the standards
			and conditions in a	into account	medical	of medical
			patient in accordance	the	care, taking	care; prescribe
			with the current	standards of	into account	non-drug
			procedures for the	medical	the	treatment
			provision of medical	care; the	standards of	taking into
			care, clinical	mechanism	medical	account the
			recommendations	of action of	care;	diagnosis, age
			(treatment protocols)	drugs,	prescribe	and clinical
			on the provision of	medical	non-drug	picture of the
			medical care, taking	products	treatment	disease in
			into account the	and medical	taking into	accordance
			standards of medical	nutrition,	account the	with the
			care; mechanism of	medical	diagnosis,	current
			action of non-drug	indications	age and	procedures for
			treatment; medical	and	clinical	the provision
			indications and	contraindica	picture of	of medical
			contraindications to	tions to	the disease	care, clinical
			its appointment; side	their use;	in	recommendati
			effects, complications	complicatio	accordance	ons (treatment
			caused by its useIPC	ns caused	with the	protocols) on
			10.2 Knows how to:	by their use;	current	the provision
			prescribe medicines,	modern	procedures	of medical
			medical devices and	methods of	for the	care, taking
			nutritional therapy,	non-drug	provision of	into account
			taking into account	treatment of	medical	the standards
			the diagnosis, age and	diseases	care,	of medical
		<u> </u>	are diagnosis, age and	anscases	curc,	or mourear

		<u> </u>		Г	T	
			clinical picture of the	and	clinical	care; evaluate
			disease in accordance	conditions	recommend	the
			with the current	in a patient	ations	effectiveness
			procedures for the	in accordance	(treatment	and safety of the use of
			provision of medical	with the	protocols) on the	
			care, clinical			medicines,
			guidelines (treatment	current	provision of	medical
			protocols) on the	procedures	medical	devices and
			provision of medical	for the	care, taking	clinical
			care, taking into	provision of	into account	nutrition
			account the standards	medical	the	
			of medical care;	care,	standards of	
			prescribe non-drug	clinical	medical	
			treatment taking into	recommend	care; evaluate the	
			account the diagnosis,	ations	effectivenes	
			age and clinical	(treatment		
			picture of the disease	protocols) on the	s and safety	
			in accordance with		of the use	
			the current	provision of	of modicines	
			procedures for the	medical	medicines,	
			provision of medical care, clinical	care, taking	medical	
			, , , , , , , , , , , , , , , , , , ,	into account	devices and	
			recommendations	the	clinical	
			(treatment protocols)	standards of	nutrition	
			on the provision of	medical		
			medical care, taking	care;		
			into account the	mechanism		
			standards of medical	of action of		
			care; evaluate the	non-drug		
			effectiveness and	treatment; medical		
			safety of the use of medicines, medical	indications		
			devices and clinical	and		
			nutrition	contraindica		
			HutHiOH	tions to its		
				appointmen t; side		
				effects,		
				complicatio		
				ns caused		
				by its use		
24.	PC -13	Able to refer a patient	IPC 13.1 Knows:	measures	determine	methods that
Z4.	1 C -13	in need of medical	measures for the	for the	medical	allow
		rehabilitation to a	medical rehabilitation	medical	indications	determining
		specialist doctor for	of the patient,	rehabilitatio	for carrying	medical
		prescribing and	medical indications	n of the	out medical	indications for
		conducting medical	and contraindications	patient,	rehabilitatio	medical
		rehabilitation	for their	medical	n measures,	rehabilitation
		measures, including	implementation,	indications	including	measures,
		for prescribing and	taking into account	and	when	including the
		conducting	the diagnosis in	contraindica	implementi	implementatio
		sanatorium treatment,	accordance with the	tions for	ng an	n of an
		and to carry out	current procedures for	their	individual	individual
		medical rehabilitation	the provision of	implementa	rehabilitatio	rehabilitation
		measures for the	medical care, clinical	tion, taking	n or	or habilitation
		patient, including	recommendations	into account	habilitation	program for
		when implementing	(treatment protocols)	the	program for	disabled
		when implementing	(deadheilt protocois)	uic	program for	uisaultu

an individual rehabilitation or habilitation program persons 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

on the provision of medical care, taking into account the standards of medical care; medical indications and contraindications to the appointment of spa treatment as a stage of the patient's medical rehabilitation; features of medical rehabilitation of elderly and senile patients IPC 13.2 Able to: Determine medical indications for medical 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

diagnosis in accordance with the current procedures for the provision of medical care. clinical recommend ations (treatment protocols) on the provision of medical care, taking into account the standards of medical care: medical indications and contraindica tions to the appointmen t of spa treatment as a stage of the patient's medical rehabilitatio n; features of medical rehabilitatio n of elderly and senile patients

disabled people, in accordance with the current procedures for the provision of medical care, clinical recommend ations (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 recommend ations (treatment protocols) on the provision of medical care, taking into account

people, 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: 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

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 (treatment protocols) on the provision of medical care, procedures for the provision of medical care and taking into account the standards of medical care

the standards of medical care: perform measures for the medical rehabilitatio n of the patient in accordance with the current procedures for the provision of medical care. clinical recommend ations (treatment protocols) on the provision of medical care, taking into account the standards of medical care: prescribe sanatoriumand-spa treatment to a patient in need of medical rehabilitatio n, including when implementi ng an individual rehabilitatio n or habilitation program for disabled people, in accordance with the current clinical recommend

care, clinical recommendati ons (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe sanatoriumand-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 recommendati ons (treatment protocols) on the provision of medical care, procedures for the provision of medical care and taking into account the standards of medical care

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					ations	
					(treatment	
					protocols)	
					on the	
					provision of	
					medical	
					care,	
					procedures	
					for the	
					provision of	
					medical	
					care and	
					taking into	
					account the	
					standards of	
					medical	
2.5	DC 16	A la la da	IDC 16 1 IZ	i	care	
25	PC -16	Able to organize and	IPC 16.1 Knows: the	principles	organize	methods that
		control the	principles of the	for the use	and conduct	allow
		immunoprophylaxis	application of specific	of specific	immunopro	organizing and
		of infectious diseases	and non-specific	and non-	phylaxis of	conducting
		in the adult	prevention of	specific	infectious	immunoproph
		population, prescribe	infectious diseases,	prevention	diseases in	ylaxis of
		preventive measures	the national calendar	of	the adult	infectious
		to patients, taking	of preventive	infectious	population	diseases in the
		into account risk	vaccinations and the	diseases,	in	adult
		factors in accordance	calendar of	the national	accordance	population in
		with the current		calendar of	with the	accordance
			preventive			
		procedures for the	vaccinations	preventive	current	with the
		provision of medical	according to epidemic	vaccination	procedures	current
		care, clinical	indications;	s and the	for the	procedures for
		recommendations	legislation of the	calendar of	provision of	the provision
		(treatment protocols)	Russian Federation in	preventive	medical	of medical
		on the provision of	the field of health	vaccination	care,	care, clinical
		medical care, taking	protection, sanitary	s according	clinical	recommendati
		into account the	rules and regulations;	to epidemic	recommend	ons (treatment
		standards of medical	preventive measures	indications;	ations	protocols) on
		care, and monitor	taking into account	legislation	(treatment	the provision
				of the	`	of medical
		compliance with	the diagnosis in		protocols)	
		preventive measures	accordance with the	Russian	on the	care, taking
			current procedures for	Federation	provision of	into account
			the provision of	in the field	medical	the standards
			medical care, clinical	of health	care, taking	of medical
			recommendations	protection,	into account	care; prescribe
			(treatment protocols)	sanitary	the	preventive
			on the provision of	rules and	standards of	measures to
			medical care, taking	regulations;	medical	patients,
			into account the	preventive	care;	taking into
			standards of medical	measures	prescribe	account risk
				taking into	presentive	factors for the
			care	_	•	
			IPC 16.2 Able to:	account the	measures to	prevention and
			organize and conduct	diagnosis in	patients,	early detection
			immunoprophylaxis	accordance	taking into	of diseases,
			of infectious diseases	with the	account risk	including
			in the adult	current	factors for	socially
			population in	procedures	the	significant
1			accordance with the	for the	prevention	diseases
	1	I				

			current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into	provision of medical care, clinical recommend ations (treatment	and early detection of diseases, including socially significant diseases	
			account the standards of medical care; prescribe preventive measures to patients, taking into account risk factors for the prevention and early detection of diseases, including socially significant diseases	protocols) on the provision of medical care, taking into account the standards of medical		
26.	PC -19	Able to form healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical use of narcotic drugs and psychotropic substances, evaluate the effectiveness of preventive work with patients	I PC 19.1 Knows: forms and methods of sanitary and educational work on the formation of elements of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances I PC 19.2 Able to: develop and implement programs for the formation of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances	forms and methods of sanitary and educational work on the formation of elements of a healthy lifestyle, including programs to reduce alcohol and tobacco consumptio n, prevent and combat the nonmedical consumption of narcotic drugs and psychotropic substances	develop and implement programs for the formation of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat the nonmedical use of narcotic drugs and psychotropic substances	methods that allow developing and implementing healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances
27.	. PC -22	Able to maintain medical records, including in electronic form	IPC 22.1 Knows: the legislation of the Russian Federation in the field of health care, regulations and	legislation of the Russian Federation in the field of health	fill in medical documentati on, including in electronic	own methods that allow filling out medical documentation , including in

other documents care, form; work electronic regulations form: work with that determine the and other with personal personal activities of medical documents data of data of organizations and that patients and patients and medical workers; determine information information rules of work in the constituting constituting a information systems activities of medical a medical and information and medical secret; use secret; use telecommunications information organizatio information network "Internet"; ns and systems and systems and rules for issuing medical information information workers: and and medical rules of telecommun telecommunic documentation in work in ications ations network medical "Internet" in information network organizations systems and "Internet" in professional providing medical information professional activities care on an and activities outpatient basis, telecommun including at home ications when a medical network worker is called "Internet"; IPC 22.2 Able to: rules for issuing fill in medical medical documentati documentation, on in including in medical organizatio electronic form; providing work with personal medical data of patients and care on an outpatient information basis, including at constituting a home when medical secret; use a medical worker is information systems called and information and telecommunications network "Internet" in professional activities

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

№	Competence code	Section name of the discipline	The content of the section in teaching units
			units

1.	UC - 1, 4, 5 GPC - 1, 2, 4, 5, 6, 7, 10, 11 PC - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 19, 22	Functional / idiopathic / dyspepsia (non-ulcer dyspepsia). Chronic gastritis. Peptic ulcer of the stomach and duodenum (Peptic ulcer of the stomach and duodenum)	1
2.	(UC - 1, 4, 5 GPC - 1, 2, 4, 5, 6, 7, 10, 11 PC - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 19, 22	Chronic pancreatitis. GSD, chronic cholecystitis, postcholecystectomy syndrome.  Hepatitisandcirrhosisoftheliver	1
3.	UC - 1, 4, 5 GPC - 1, 2, 4, 5, 6, 7, 10, 11 PC - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 19, 22	Bowel dysfunction. IBS and inflammatory bowel disease. offset	1

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

5. Volume of the academic discipline and types of academic work							
Type of educational work	Labor i	ntensity	Labor intensity (AH) in semesters				
	volume in	volume in					
	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

No	Name of the section of the		Тур	es of acaden	nic work* (	in AH)	
	academic discipline	L	LP	P	S	SIW	total
1	Functional / idiopathic / dyspepsia (non-ulcer dyspepsia). Chronic gastritis. Peptic ulcer of the stomach and duodenum (Peptic ulcer of the stomach and duodenum)	-	5			4	9
2	Chronic pancreatitis. GSD, chronic cholecystitis, postcholecystectomy syndrome.  Hepatitis and cirrhosis of the liver	2	7			7	16
3	Bowel dysfunction. IBS and inflammatory bowel disease.	2	6			3	11
	TOTAL	4	18			14	36

<sup>\* -</sup> 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

No	Name of lecture topics	Volume in AH
		semester 11
1.	Chronic pancreatitis. Concept definition. Etiology, pathogenesis, classification, clinical and instrumental diagnostics. Treatment.	2
2.	Inflammatoryboweldisease.	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

No	Name of the topics of practicals	Volume in AH
	Traine of the topies of practicular	v oranie in i iii
		semester
1.	Functional / idiopathic / dyspepsia (non-ulcer dyspepsia). Chronic	6
	gastritis.	
	Sustrial.	
	Peptic ulcer of the stomach and duodenum (Peptic ulcer of the stomach	
	and duodenum)	
2.	Chronic pancreatitis.	6
2.	GSD, chronic cholecystitis, postcholecystectomy syndrome. Hepatitis and	O
	cirrhosis of the liver	
3.	Bowel dysfunction.	6
	IBS and inflammatory bowel disease. offset	
	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)

№	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

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

	Se	,, <u>r</u>	es of assessment	formats for ongo	mg momtoring		ssessment for							
№	mes ter No.	Туре	es of control	Name of section of academic discipline	Competence codes	types	number of test questions	number of test task options						
				Functional / idiopathic /	UC - 1, 4, 5 GPC - 1, 2, 4, 5, 6, 7, 10,	Test	10	Unlimited (computer testing)						
			Control of mastering the topic.	dyspepsia (non-ulcer dyspepsia). Chronic gastritis.	11 PC – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 19, 22	Intervie w	1	According to the number of students in the group						
			Monitoring the student's individual work	Peptic ulcer of the stomach and duodenum (Peptic ulcer of the stomach	and duodenum		Report	1	5					
						Situation al tasks	1	5						
		Comment		Chronic	UC - 1, 4, 5 GPC - 1, 2, 4, 5, 6, 7, 10,	Test	10	Unlimited (computer testing)						
1.		Current monito ring	monito Control of	pancreatitis. GSD, chronic cholecystitis, postcholecyste ctomy syndrome. Hepatitis and cirrhosis of the liver	PC - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 19, 22	Intervie w	1	According to the number of students in the group						
			individual work		Hepatitis and cirrhosis of the		Report	1	5					
						liver	liver	liver	liver	liver	liver	liver		Situation al tasks
					UC – 1, 4, 5 GPC – 1, 2, 4, 5, 6, 7, 10,	Test	10	Unlimited (computer testing)						
			Control of mastering the topic.  Monitoring the student's individual	Bowel dysfunction. IBS and inflammatory bowel disease	11 PC – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 19, 22	Intervie w	1	According to the number of students in the group						
			work	bower disease		Report	1	5						
	_					Situation al tasks	1	5						
2.		Mid- term assess	Credit	All sections of		Control question s	3	42						
		ment		the discipline		Situation al tasks	1	15						

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

8.1. Key literature references

№	Name according to bibliographic requirements	Number of copies		
		at the department	in the library	
1.	Longo Dan I. <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

№	Name according to bibliographic requirements	Number of copies		
		at the department	in the library	
1.	Physical agents in rehabilitation: from research to practice / M. H. Cameron. – Philadelphia: W.B.Saunders Company, 1999. – 490 с.:ил. мяг.		10	
2.	Emergency Medicine / L. Stead. – [б. м.] Lippincott Williams & Wilkins, 2000. – 673р.		5	
3	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	
4	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
Internalelectroniclibrarys ystem	Proceedings of the teaching staff of the Academy: textbooks and teaching aids, monographs, collections	computer on the Internet, using an individual	Notlimited

of scientific papers,	password
scientific articles,	[Electronic
dissertations, abstracts of	resource] -
dissertations, patents.	Access mode:
	http://95.79.46.2
	06/login.php

<u>№</u>	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	For PMU, access to the demo version of the Bibliopoisk search engine is open:http://bibliosearch.ru/pimu.	Generalsubscripti onof PMU

		databases available to the university as part of a subscription, as well as from open access databases.		
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] - Modeдоступа:ht tps://elibrary.ru/	
5	International Scientometric Database «Web of Science Core Collection»	Web of Science covers materials on natural, technical, social, humanitarian sciences; takes into account the mutual citation of publications developed and provided by Thomson Reuters; has built-in search, analysis and management of bibliographic information.	Free access from PIMU computers [Electronic resource] - Access to the resource at:http://apps.we bofknowledge.c om	Free access from PMU computers

8.3.3 Open access resources

№	Name of the electronic resource	Brief description (content)	Access conditions
1	Federal Electronic Medical	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/	
3	Scientific electronic library eLIBRARY.RU  Scientific electronic library	The largest Russian information portal in the field of science, technology, medicine and education, containing abstracts and full texts of scientific articles and publications.  [Electronicresource] - Accessmode: https://elibrary.ru/ Full texts of scientific	from any computer on the Internet.  from any computer on the
	of open access CyberLeninka	articles with annotations published in scientific journals in Russia and neighboring countries. [Electronicresource] - Accessmode:https://cyberleni nka.ru/	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	from any computer on the Internet
		[Electronic resource] - Access mode: www.spulmo.ru - Russian Respiratory Society www.scardio.ru -	
8	Official website of the Russian Scientific Society of	RKO Modern materials and clinical guidelines for the	from any computer on the Internet

Therapists	diagnosis and treatment of	
	diseases of internal organs	
	[Electronic resource] - Access mode: www.rnmot.ru - Russian Scientific Society	
	of Therapists	

#### 9. Material and technical support for mastering anacademic 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	Manufacture r	Number in the unified register of Russian software	Contract No. and date
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovic h	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 TECHNOLO GIES"	283	without limitation, with the right to receive updates for 1 year.
3	LibreOffice		Office Application	The	Freely	

				Document Foundation	distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscriptio n	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the Ministry of Health of Russia	170	Office Application	Microsoft		23618/HN100 30 LLC "Softline Trade" from 04.12.2020

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

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

Department of *Name of the department* 

#### **CHANGE REGISTRATION SHEET**

working program for the academic discipline

NAME OF THE ACADEMIC DISCIPLINE

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Field of	study / specialty / scient	entific specialty:		
Training	nrofile:	(code, na	ime)	
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Mode o	f study:			
full-time/	mixed attendance mode/ex	ramural		
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