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: PEDIATRICS

Specialty: 31.05.01 GENERAL MEDICINE

(code, name)

Qualification: GENERAL PRACTITIONER

Department: FACULTY AND POLYCLINIC PEDIATRICS

Mode of study: FULL-TIME

Labor intensity of the academic discipline: 288 academic hours

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

Developers of the working program:

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The program was reviewed and approved at the department meeting (protocol No. 1 of August 26, 2021.

Head of the Department of Faculty and Polyclinic Pediatrics Effect (E.G. Novopoltseva)

August 26, 2021.

AGREED

Deputy Head of EMA ph.d. of biology

Lovtsova I. V

(signature)

August 26, 2021.

1. The purpose and objectives of mastering the academic discipline PEDIATRICS:

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

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UC - 1, UC - 4, UC - 5
GPC - 4, GPC - 5, GPC - 7, GPC - 10
PC - 1, PC - 3, PC - 8, PC - 9
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Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy (UC-1)

Able to apply modern communication technologies, including the use of a foreign language(s), for academic and professional interaction (UC-4)

Able to analyze and take into account the diversity of cultures in the process of cross-cultural interaction (UC-5)

Able to apply medical products, provided by the order of healthcare delivery, as well as examine patients for the purpose of determining the diagnosis (GPC-4)

Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems (GPC-5)

Able to prescribe treatment and monitor its effectiveness and safety (GPC-7)

Able to understand the principles of modern information technologies and use them to solve the tasks of professional activity (GPC-10)

Able to collect a genealogical history, get the necessary information about parents, next of kin and persons caring for a child (PC - 1)

Able to collect the anamnesis of life and the anamnesis of the child's disease (PC-3)

Able to: make a differential diagnosis with other diseases/conditions including emergencies, establish a diagnosis taking into account the current international statistical classification of diseases and related health problems (ICD) (PC-8)

Able to: develop a treatment plan for a disease or condition and prescribe medicine, medical devices, therapeutic nutrition and non-drug treatment taking into account the diagnosis, age and clinical picture in accordance with current **procedures** for the medical care delivery, **clinical recommendations** (treatment protocols) on the provision of medical care taking into account the **standards** of medical care and to evaluate the effectiveness and safety of the use of medicines, medical devices, therapeutic nutrition and other methods of treatment (PC - 9)

Able to: organize and monitor the immunoprophylaxis of infectious diseases in the child population, prescribe preventive measures to patients taking into account risk factors in accordance with the current **procedures** for providing medical care, **clinical recommendations** (treatment protocols) on the provision of medical care taking into account the **standards** of medical care and monitor compliance with preventive measures (PC-16)

1.2. Requirements to the deliverables of mastering the discipline

As a result of completing the discipline, the student should

Know:

Methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis

The basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements to business communication, modern means of information and communication technologies

The main categories of philosophy, the laws of historical development, the basics of intercultural communication; the basic concepts of human interaction in the organization

Anatomical and physiological, age-sexual and individual features of the structure and

development of a healthy and diseased organism of a child and a teenager;

Etiology and pathogenesis of diseases and conditions in children, clinical symptoms of diseases and conditions, taking into account the age of the child

Features of the clinical course of the most common diseases occurring in young and older children:

Laboratory diagnostic criteria for the diagnosis of the most common diseases in young and older children;

The clinical picture of diseases and conditions requiring emergency care for children;

The methodology for collecting and evaluating the child's life history – from which pregnancy and which child, the outcomes of previous pregnancies, the course of this pregnancy and childbirth, the child's condition in dynamics, starting from the moment of birth, the duration of natural, mixed and artificial feeding, the determination of body weight and height, the body mass index of a child of various ages, assessment of physical and neuropsychiatric development of children by age and gender groups;

Rules of breastfeeding and its benefits for preserving the health of mother and child; types and composition of breast milk substitutes, timing and procedure for the introduction of complementary foods depending on the age and condition of the child

Methodology for collecting and evaluating data on the health status of immediate relatives (hereditary and chronic diseases);

Methodology for obtaining and evaluating information about past illnesses (which and at what age);

Methods of obtaining information about preventive vaccinations and post-vaccination complications;

The methodology of collecting and evaluating the data of the medical history of the disease (complaints, the timing of the onset of the disease, the dynamics of the course of the disease, the examinations and their results, the therapy and its results);

Methodology for assessing the condition and well-being of the child, examination and evaluation of organs and systems of the child's body, taking into account the anatomical and physiological characteristics of children;

Clinical and pharmacological characteristics of the main groups of drugs and rational choice of specific drugs in the treatment of major pathological syndromes of diseases in sick children and adolescents:

Principles, methods and means of solving standard tasks of professional activity on the basis of information, bibliographic culture with the use of information and communication technologies and taking into account the basic requirements of information security

The mechanism of action of drugs; medical indications and contraindications to their use; complications caused by their use;

Clinical picture of diseases and conditions requiring additional laboratory and instrumental examination;

Modern methods of drug and non-drug therapy of diseases and conditions in children in accordance with current clinical guidelines (treatment protocols), medical indications and contraindications to their use; complications caused by their use;

International statistical classification of diseases

Anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems

Methods of drug and non-drug treatment, medical indications for the use of medical devices for the most common diseases; groups of drugs used to provide medical care in the treatment of the most common diseases; the mechanism of their action, medical indications and contraindications to the prescription; compatibility, possible complications, side effects, adverse reactions, including serious and unforeseen; features of medical care in emergency forms

The capabilities of reference information systems and professional databases; methods of information retrieval, information and communication technologies; modern medical and

biological terminology; fundamentals of information security in professional activities

Method of collecting complaints, anamnesis of life and disease of the patient; a technique for a complete physical examination of the patient (examination, palpation, percussion, auscultation); etiology, pathogenesis and pathomorphology, clinical aspect, differential diagnosis, clinical features, complications and outcomes of diseases of internal organs; patterns of functioning of a healthy human body and mechanisms for ensuring health from the standpoint of the theory of functional systems; features of the regulation of the functional systems of the human body in pathological processes; methods of laboratory and instrumental examinations for assessing the state of health, medical indications for conducting investigations, rules for interpreting their results

Etiology, pathogenesis and pathomorphology, clinical aspect, differential diagnosis, clinical features, complications and outcomes of child's diseases; methods of laboratory and instrumental examinations for assessing the state of child's health, medical indications for conducting examinations, rules for interpreting their results; ICD

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

Principles of application of specific and non-specific prevention of infectious diseases, the national calendar of preventive vaccinations and the calendar of preventive vaccinations for epidemic indications; legislation of the Russian Federation in the field of health protection, sanitary rules and regulations; preventive measures taking into account the diagnosis in accordance with the current procedures for medical care, clinical recommendations (treatment protocols) about medical care delivery taking into account the standards of medical care

Be able to:

Gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience

Express thoughts in Russian and a foreign language in business communication

Competently, intelligibly present professional information in the process of intercultural interaction; observe ethical norms and human rights; analyze the features of social interaction taking into account national, ethno-cultural, confessional features

Collect complaints, anamnesis of life and disease of patients (their legal representatives), identify risk factors and causes of diseases; apply methods of examination and physical survey of patients; interpret the results of examination and physical examination of patients; diagnose the most common pathology among patients; formulate a preliminary diagnosis, to make a plan for conducting laboratory, instrumental and additional investigations of patients in accordance with the procedures for providing medical care, clinical recommendations taking into account the standards of medical care; to refer patients to laboratory, instrumental and additional investigations in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; refer patients for consultations to medical specialists in accordance with the procedures of medical care, clinical recommendations taking into account the standards of medical care; to interpret and analyze the results of consultations by medical specialists of patients; to interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; carry out differential diagnosis of diseases of patients; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of life-threatening, requiring medical care in an urgent form; use medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care

Evaluate the basic morphological and functional data, physiological conditions and pathological processes in the child's body

Develop a treatment plan for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines taking into account the standards of medical care; prevent or eliminate complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment

Apply modern information and communication technologies to solve the tasks of professional activity; carry out an effective search for information necessary to solve the tasks of professional activity using reference systems and professional databases; use modern medical and biological terminology; master and apply modern information and communication technologies in professional activity, taking into account the basic requirements of information security

Collect complaints, anamnesis of life and disease of the patient and analyze the information received; conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation) and interpret its results; determine the sequence of volume, content and sequence of diagnostic measures incl. modern digital technologies

Analyze the results of the patient's examination, if necessary, justify and plan the scope of additional examinations; interpret the results of collecting information about the child'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 child's diseases.

Draw up a treatment plan for the disease and the child's condition taking into account the diagnosis, the patient's age, the clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe medications, medical devices and therapeutic nutrition taking into account the diagnosis, age and clinical picture of the disease in accordance with the current medical care procedures, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; prescribe non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current medical care procedures, clinical recommendations (treatment protocols) on issues related to the provision of medical care taking into account the standards of medical care; evaluate the effectiveness and safety of the use of medicines, medical devices and therapeutic nutrition

Organize and carry out immunoprophylaxis of infectious diseases in the adult population 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 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

Possess: Researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems

Writing texts in Russian and foreign languages related to the professional activity; experience in translating medical texts from a foreign language into Russian; experience in speaking Russian and foreign languages.

Practical experience in productive interaction in the professional environment taking into account national, ethno-cultural, confessional features overcoming communicative, educational, ethnic, confessional and other barriers in the process of intercultural interaction

Collect complaints, anamnesis of life, including perinatal and disease of patients (their legal representatives), identifying risk factors and causes of disease development; examination and physical survey of patients; diagnosis of the most common diseases; identification of risk factors for major oncological diseases; formulation of a preliminary diagnosis, drawing up a plan

for instrumental, laboratory, additional investigations, consultations of specialist doctors; referral of patients for instrumental, laboratory, additional investigations, consultations of specialist doctors in accordance with the current procedures for providing medical care, clinical recommendations taking into account the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international statistical classification of diseases and problems related to health (ICD); differential diagnosis of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care; the use of medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the issues of medical care delivery, assistance taking into account the standards of medical care

Assessment of basic morphological and functional data, physiological conditions and pathological processes in the child's body when solving professional problems

Developing a treatment plan for patients with the most common diseases in accordance with the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care; provision of emergency and urgent medical care to patients with the most common diseases in accordance with the current procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; selection and prescription of medicines, medical devices with the most common diseases for the treatment of the most common diseases of children and adults in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; evaluation of the effectiveness and safety of the use of drugs, medical devices and non-drug treatment of patients with the most common diseases; selection and prescription of non-drug treatment for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; prevention and treatment of complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment; providing medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life in an emergency form; the use of medicines and medical devices in the provision of medical care in an emergency form

Use of modern information and bibliographic resources, the use of special software and automated information systems to solve standard tasks of professional activity, taking into account the basic requirements of information security

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

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

The discipline is taught in 9 and 10 semester/ 5 year of study.

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

bioethics, philosophy; physics; chemistry; biology; anatomy; histology, cytology, embryology; biochemistry; normal physiology; microbiology, virology; propaedeutics of internal diseases; pharmacology; pathological anatomy, clinical pathological anatomy; pathological physiology; hygiene; fundamentals of medical genetics; dermatovenerology; otorhinolaryngology; ophthalmology, obstetrics; faculty therapy.

2.3. Mastering the discipline is required for forming the following knowledge, skills

and abilities for subsequent academic disciplines:

1. pediatric surgery; gynecology; hospital therapy, endocrinology; infectious diseases; polyclinic therapy; hospital therapy; dentistry; traumatology, orthopedics; epidemiology; clinical pharmacology; forensic medicine; phthisiology; anesthesiology, resuscitation, intensive care; oncology, radiation therapy; oncohematology; fundamentals of emergency care; clinical laboratory diagnostics

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

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

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

	,	The content of the	Code and name of		of mastering the students sho	the discipline, ould:
№	Competen ce code	competence (or its part)	the competence acquisition metric	know	be able to	possess
1.	UC-1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	UC-1.1 is able to search, critically analyze and synthesize information, apply a systematic approach to solving tasks UC-1.2 He is able to apply methods of collecting, collecting and processing information; performs critical analysis and synthesis of information obtained from various sources; applies a systematic approach to solving tasks. UC-1.3 Owns the methods of search, collection and processing, critical analysis and synthesis of information; the methodology of a systematic approach to solving the tasks.	methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis	knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the profession al field; search for informatio n and solutions based on action, experiment and experience	researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems
2.	UC-4	Able to apply	UC-4.1 is able to	the basics	express	writing texts

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		modern	work with literary	of oral and	thoughts in	in Russian
		communication	sources in Russian	written	Russian	and foreign
		technologies,	and a foreign	communic	and a	languages
		including the use of	language	ation in	foreign	related to the
		a foreign	UC-4.2 Build and	Russian	language	professional
		language(s), for	maintain	and	in business	activity;
		academic and	relationships with	foreign	communic	experience in
		professional	all members of the	languages,	ation	translating
		interaction	team, establish	functional		medical texts
			psychological and	styles of		from a
			verbal contact with	the native		foreign
			sick children and	language,		language into
			their parents;	requireme		Russian;
			UC-4.3 Ability to	nts to		experience in
			carry out business	business		speaking
			communication in	communic		Russian and
			oral and written	ation,		foreign
			forms	modern		languages.
				means of		
				informatio		
				n and		
				communic		
				ation		
				technologi		
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3.	UC-5	Able to analyze	UC-5.1 He knows	the main	competentl	Practic
		and take into	the patterns and	categories	y,	al experience
		account the	features of the	of	intelligibly	in productive
		diversity of	socio-historical	philosophy	present	interaction in
		cultures in the	development of various cultures	, the laws of	profession	the
		process of			al	professional
		cross-cultural	in an ethical and	historical	informatio	environment
		interaction	philosophical	developme	n in the	taking into
			context. UC-5.2	nt, the basics of	process of intercultur	account
				intercultur		national, ethno-
			Understands and	al	al interaction	etnno- cultural,
			perceives the	communic	; observe	confessional
			diversity of society in socio-historical,	ation; the	ethical	features
			ethical and	basic	norms and	
			philosophical		human	overcoming communicati
			contexts	concepts of human	rights;	
			UC-5.3 Has the	interaction	analyze the	ve, educational,
			skills of interaction	in the	features of	ethnic,
			in the world of		social	confessional
			cultural diversity	organizatio n	interaction	and other
			using ethical norms	11	taking into	barriers in
			of behavior; as well		account	
			as the skills of		national,	the process of
					ethno-	intercultural
			tolerant perception of the intercultural		cultural,	interaction
1			diversity of society		,	micraction
					confession	

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			in socio-historical,		al features	
			ethical and			
			philosophical			
			contexts.			
4.	GPC-4	Able to apply	GPC-4.1 Uses	The	Collect	Collect
		medical products,	modern medical	methodolo	complaints	complaints,
		provided by the	technologies,	gy of	,	anamnesis of
		order of	specialized	collecting	anamnesis	life,
		healthcare	equipment and	anamnesis	of life and	including
		delivery, as well	medical products,	of life and	disease of	perinatal and
		as examine	medicines,	diseases,	patients	disease of
		patients for the	in solving	complaints	(their legal	patients
		purpose of	professional	of patients	representat	(their legal
		determining the	problems from the	(their legal	ives),	representativ
		diagnosis	standpoint	representat	identify	es),
			of evidence-based	ives);	risk factors	identifying
			medicine.	examinatio	and causes	risk factors
			GPC-4.2 Knows the	n	of	and causes of
			indications and	procedure;	diseases;	disease
			contraindications to	and	apply	development;
			the appointment of	physical	methods of	
			instrumental,	examinatio	examinatio	and physical
			functional and	n; clinical	n and	survey of
			laboratory methods	aspect,	physical	patients;
			of examination,	methods of	survey of	•
			possible	diagnosis	patients;	the most
			complications	of the most	interpret	common
			during the	common	the results	diseases;
			examination,	diseases;	of	identification
			emergency	methods of	examinatio	of risk
			care and their	laboratory	n and	factors for
			prevention	and	physical	major
			GPC-4.3 Interprets	instrument	examinatio	oncological
			the results of the	al	n of	′
			most	investigati	patients;	formulation
			common methods	ons to	diagnose	of a
			of instrumental,	assess the	the most	preliminary
			laboratory and functional	state of	common	diagnosis,
			diagnostics to	health, medical	pathology	drawing up a plan for
			identify	indications	among patients;	plan for instrumental,
			1	for	formulate	
			pathological processes.	conducting	a	laboratory, additional
			GPC-4.4 Owns	research,	preliminar	investigation
			methods of general	rules for	у	s,
			clinical	interpretin	diagnosis,	consultations
			examination of a	g their	to make a	of specialist
			patient of various	results;	plan for	doctors;
			ages.	internation	conducting	referral of
			GPC-4.5	al	laboratory,	patients for
			Formulates a	statistical	instrument	instrumental,
			preliminary	classificati	al and	laboratory,
	<u> </u>	<u> </u>	Promining	-iassiiicati	ai and	incorniory,

	diagnosis su 1	on - r	م المالية الما	additional
	diagnosis and	on of	additional	additional
	a clinical diagnosis	diseases	investigati	investigation
	according to the	and health-	ons of	S,
	ICD.	related	patients in	consultations
		problems	accordance	of specialist
		(ICD);	with the	doctors in
		conditions	procedures	accordance
		requiring	for	with the
		emergency	providing	current
		medical	medical	procedures
		care;	care,	for providing
		procedure	clinical	medical care,
		for the use	recommen	clinical
		of medical	dations	recommendat
		devices in	taking into	ions taking
		accordance	account	into account
		with the	the	the standards
		current	standards	of medical
		procedures	of medical	care;
		for	care; to	interpretation
		providing	refer	of data from
		medical	patients to	additional
		care,	laboratory,	(laboratory
		clinical	instrument	and
		recommen	al and	instrumental)
		dations	additional	examinations
		(treatment	investigati	of patients;
		protocols)	ons in	making a
		on the	accordance	preliminary
		medical	with the	diagnosis in
		care	current	accordance
		delivery	procedures	with the
		taking into	for	international
		account	providing	statistical
		the	medical	classification
		standards	care,	of diseases
		of medical	clinical	and problems
		care	recommen	related to
			dations,	health (ICD);
			taking into	differential
			account	diagnosis of
			the	diseases;
			standards	recognition
			of medical	of conditions
			care; refer	arising from
			patients for	sudden acute
			consultatio	diseases,
			ns to	exacerbation
			medical	of chronic
			specialists	diseases
			in	without
			accordance	obvious signs
 •				

			with the	of a threat to
			procedures	the patient's
			of medical	life and
			care,	requiring
			clinical	urgent
			recommen	medical care;
			dations	the use of
			taking into	medical
			account	devices in
			the	accordance
			standards	with current
			of medical	medical
			care; to	procedures,
			interpret	clinical
			and	recommendat
			analyze the	ions
			results of	(treatment
			consultatio	protocols) on
			ns by	the issues of
			medical	medical care
			specialists	delivery,
			of patients;	assistance
			to interpret	taking into
			and	account the
			analyze the	standards of
			results of	medical care
			basic	
			(clinical)	
			and	
			additional	
			(laboratory	
			,	
			instrument	
			al)	
			examinatio	
			n methods;	
			carry out	
			differential	
			diagnosis	
			of diseases	
			of patients;	
			identify	
			clinical	
			signs of	
			sudden	
			acute	
			diseases,	
			conditions,	
			exacerbati	
			ons of	
			chronic	
L		 	diseases	

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					without obvious signs of life-threatening, requiring medical care in an urgent form; use medical devices in accordance with current medical procedures, clinical recommen dations (treatment protocols) on the provision of medical care, assistance taking into account	
					standards of medical	
					care	
5.	GPC-5	Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems	GPC-5.1 He knows the functional systems of the human body, their regulation and self-regulation when interacting with the external environment in normal and pathological processes. GPC-5.2 Knows etiology, pathogenesis, morphogenesis, pathomorphosis of	Anatomy, histology, embryolog y, topographi c anatomy, physiology , pathologic al anatomy and physiology of child's organs and systems	Evaluate the basic morpholog ical and functional data, physiologi cal conditions and pathologic al processes in the child's body	Assessment of basic morphologic al and functional data, physiological conditions and pathological processes in the child's body when solving professional problems

			disease development, basic concepts of nosology GPC-5.3 Knows the indicators of morphofunctional, the physiological state of a healthy child and is able to measure them			
6.	GPC-7	Able to prescribe treatment and monitor its effectiveness and safety	GPS-7.1 Selects a drug based on the totality of its pharmacokinetic and pharmacodynamic characteristics for the treatment GPS-7.2 Selects the optimal minimum of the most effective means, using convenient ways of their application GPC-7.3 applies indicators of morphofunctional, physiological state and pathological process for examination of the child's body in order to establish a diagnosis, appointment treatment and monitoring of its effectiveness and safety GPC-7.4 Evaluates efficiency and safety drug therapy based on a combination of clinical laboratory, instrumental and other	methods of drug and non-drug treatment, medical indications for the use of medical devices for the most common diseases; groups of drugs used to provide medical care in the treatment of the most common diseases; the mechanis m of their action, medical indications and contraindic ations to the prescription compatibil ity, possible complications, side effects, adverse reactions,	develop a treatment plan for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines taking into account the standards of medical care; prevent or eliminate complicati ons, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulati ons, the	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

			diagnostic methods	including	use of	
				serious and	drugs and	
				unforeseen	(or)	
				; features	medical	
				of medical	devices,	
				care in	non-drug	
				emergency	treatment	
				forms	ti cutiliciit	
				1011113		
7.	GPC-10	Able to understand	GPC-10.1 able to	the	apply	use of
/ .	GI C-10	the principles of	solve standard tasks	capabilities	modern	modern
		modern information	of professional	of	informatio	information
			_	reference		and
			activity with the			
		use them to solve	possibility of	informatio	communic	bibliographic
		the tasks of	preparing reviews,	n systems	ation	resources,
		professional activity	abstracts, scientific	and	technologi	the use of
			reports, publications	profession	es to solve	special
			and bibliographies	al	the tasks of	software and
			on research work,	databases;	profession	automated
			taking into account	methods of	al activity;	information
			the requirements of	informatio	carry out	systems to
			information security	n retrieval,	an	solve
				informatio	effective	standard
				n and	search for	tasks of
				communic	informatio	professional
				ation	n	activity,
				technologi	necessary	taking into
				es; modern	to solve	account the
				medical	the tasks of	basic
				and	profession	requirements
				biological	al activity	of
					using	information
				terminolog	_	
				y;	reference	security
				fundament	systems	
				als of	and	
				informatio	profession	
				n security	al	
				in	databases;	
				profession	use	
				al activities	modern	
					medical	
					and	
					biological	
					terminolog	
					y; master	
					and apply	
					modern	
					informatio	
					n and	
					communic	
					ation	
					technologi	

					es in profession al activity, taking into account the basic requiremen ts of informatio n security	
8.	PC-1	Able to collect a genealogical history, get the necessary information about parents, next of kin and persons caring for a child	PC – 1.1 to compile a pedigree of the patient in order to identify monogenic and chromosomal diseases PC-1.2 carrying out a quantitative and qualitative assessment of the burden of genealogical history PC-1.3 the establishment of burden with the identification of predisposition to certain diseases	make a family tree within three generations	Establish contact with the child, the parents of the child to receive information about the presence of hereditary and chronic diseases in the immediate family and persons caring for the child	of collecting and evaluating data on the health status of the closest relatives and persons caring for the child (hereditary
9.	PC-3	Able to collect the anamnesis of life and the anamnesis of the child's disease	PK-3.1 assess the	Methods of collecting anamnesis of the child's life; obtaining information about diseases and surgical intervention s (which and at what age); obtaining information about preventive vaccinations; assessing the condition and well-being of the	Receive information about the history of the child's life, including from which pregnancy and which child, about the outcomes of previous pregnancies, about the course of this pregnancy and childbirth, the condition of the child at	severity of subcutaneous fat, nails, hair, visible mucous membranes, lymph nodes, organs and systems of the child's body, to assess compliance with the passport age of physical and psychomotor development of children; to determine

			child; features of diagnosis and clinical course of diseases in young children	birth and during the period of new birth, about the duration of natural, mixed and artificial feeding receive information about complaints, the timing of the onset of the disease, the timing of the first and repeated treatment, conducted therapy	and height, body mass index of a child of various ages, to assess physical and psychomotor development of children
10. PC-8	Able to: make a differential diagnosis with other diseases/conditions including emergencies, establish a diagnosis taking into account the current international statistical classification of diseases and related health problems (ICD)	PC-7.1 Performs early diagnosis of childhood diseases of internal organs PC-7.2 Establishes a diagnosis taking into account the current international statistical classification of diseases. PC -7.3 Performs differential diagnosis of child's diseases	etiology, pathogenesis and pathomorph ology, clinical aspect, differential diagnosis, clinical features, complications and outcomes of child's diseases; methods of laboratory and instrumenta lexamination s for assessing the state of health, medical indications for conducting examination s, rules for interpreting	analyze the results of the patient's examination , if necessary, justify and plan the scope of additional examination s; 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 lata obtained during the lata obtained during the lata obtained during the instrumental examination of the	Make a diagnosis according to the ICD

			their results; ICD	patient; interpret the data obtained during consultation s of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases	
11. PC-9	Able to: develop a treatment plan for a disease or condition and prescribe medicine, medical devices, therapeutic nutrition and nondrug treatment taking into account the diagnosis, age and clinical picture in accordance with current procedures for the medical care delivery, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care and to evaluate the effectiveness and safety of the use of medicines, medical devices, therapeutic nutrition and other methods of treatment	PC-8.1 Draws up a patient's treatment plan taking into account the diagnosis, the patient's age, the clinical picture of the disease, the presence of complications, concomitant pathology, in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care PC-8.2 Prescribes medicines, and therapeutic nutrition, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for providing	modern methods of using medicines , medical devices and therapeuti c nutrition in diseases and condition s of the patient in accordanc e with the current procedure s for medical care, clinical recomme ndations (treatment protocols) on the provision of medical care taking into account the standards of	draw up a treatment plan for the disease and the patient's condition taking into account the diagnosis, the patient's age, the clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommend ations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe medications	Methods of analysis of evaluation of safety and effectiveness of pharmacothe rapy

		I		
		medical care,	medical	, medical
		clinical	care; the	devices and
		recommendations,	mechanis	therapeutic
		taking	m of	nutrition
		into account the	action of	taking into
		standards of	medicines	account the
		medical care	, medical	diagnosis,
		inedical care	devices	age and
			and	clinical
			therapeuti	picture of
			c	the disease
			nutrition,	in
			medical	accordance
			indication	with the
			s and	current
			contraindi	medical
			cations to	care
			their use;	procedures,
			complicat	clinical
			ions	recommend
			caused by	ations
1			their use;	(treatment
			modern	protocols)
			methods	on the
			of non-	provision of
			drug	medical
			treatment	care taking
			of	into account
			diseases	the
			and	standards of
			condition	medical
			s of the	care;
			patient in	prescribe
			accordanc	non-drug
			e with	treatment
			current	taking into
			medical	account the
			care	diagnosis,
			procedure	age and
			s, clinical	clinical
			recomme	picture of
			ndations	the disease
			(treatment	in
			protocols)	accordance
			on the	with the
			provision	current
			of	medical
			medical	care
			care	procedures,
				clinical
			taking into	recommend
				ations
			account	
			the	(treatment
			standards	protocols)
			of	on issues
			medical	related to
			care;	the

			action mechanis m of non- drug treatment; medical indication s and contraindi cations to its prescripti on; side effects, complicat ions caused by its use	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 therapeutic nutrition	
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4. Sections of the academic discipline and competencies that are formed when mastering them

№	Competen ce code	Section name of the discipline	The content of the section in teaching units
			Nutrition of infants of the first year of life (breastfeeding, artificial feeding)
			Physical and Psychomotor development of children
			A newborn baby. Transitional states.
	UC - 1, UC - 4,		Pathology of the neonatal period: asphyxia, birth trauma, hemolytic disease of newborns
	UC- 5 GPC – 4, GPC		Alimentary-dependent conditions in children: vitamin deficiency rickets, iron deficiency anemia
1.	- 5, GPC- 7,	Pediatrics	Atopic dermatitis
	GPC- 10 PC - 1,		Morphological and functional features of the bronchopulmonary system. Pneumonia in children of different ages
	PC – 3, PC – 8,		Bronchial asthma.
	PC – 9		Morphological and functional features of the hematopoietic system in children. Pathology of the blood system: hereditary spherocytosis, sickle cell anemia, thalassemia, hemophilia, immune thrombocytopenia.
			Morphological and functional features of the cardiovascular system. Congenital heart defects
			Acute rheumatic fever. Carditis in children.

			Pathology of the thyroid gland: congenital hypothyroidism, hyperthyroidism. Pathology of the adrenal glands: congenital adrenal hyperplasia, chronic adrenal insufficiency Gastrointestinal pathology: Functional disorders of gastrointestinal tract (regurgitation, colic, constipation) in young children. Aciddependent diseases (chronic gastroduodenitis, gastric ulcer and duodenal ulcer, GERD)
			Urinary tract infections: Acute pyelonephritis, acute cystitis
			Glomerulonephritis in children
2. Gi FC	IC - 1, IC - 4, IC - 5 IPC - , GPC - 5, IPC - 7, IPC - 0 C - 3, C - 8, C - 9	Pediatrics (childhood infections)	Intrauterine infections. Neonatal sepsis. Acute respiratory viral infections. Croup syndrome. Bronchoobstructive syndrome Streptococcal infection in children (scarlet fever, tonsillitis, impetigo). Exanthemes in children. Neuroinfections in children. Acute intestinal infections Vaccination of infectious diseases

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 i	Labor intensity (AH) in semesters	
		volume in	volume in			
		credit units	academic	IX	X	
		(CU)	hours (AH)			
Classroom work, inclu	ding	8	288	180	108	
Lectures (L)			32	22	10	
Laboratory practicum	n (LP)*					
Practicals (P)			118	84	34	
Seminars (S)						
Student's individual w	ork (SIW)		102	74	28	
Mid-term assessment						
credit/exam (specify	the type)		36		36	
TOTAL LABOR	volume in academic		288	180	108	
INTENSITY	hours (AH)					
	volume in credit units	8		5	3	
	(CU)					

6. Content of the academic discipline

6.1. Sections of the discipline and types of academic work

	or between or the discipline and types of academic work						
No	Name of the section of the	Types of academic work* (in AH)					
seme	academic discipline	L	LP	P	S	SIW	total
ster							
IX	Pediatrics	22		84		74	180
X	Pediatrics (Infectious diseases)	10		34		28	72
	TOTAL	32		118		102	288

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

6.2. Thematic schedule of educational work types:

6.2.1 Thematic schedule of lectures

№	Name of lecture topics	Volume in AH	
		IX semester	X semester
1.	Nutrition of infants of the first year of life	2	
2.	Physical and Psychomotor development of children. Protein energy malnutrition.	2	
3.	Introduction to neonatology. Features of growth and development of the newborn. Morphological and functional features of newborn's organs and systems Transitional states.	2	
4.	Pathology of the neonatal period: perinatal hypoxia, birth trauma, hemolytic disease of newborns.	2	
5.	Alimentary-dependent diseases in children: Rickets, Iron deficiency anemia in infancy. Etiology. Pathogenesis. Classification. Clinical picture. Principles of therapy.	2	
6.	Pneumonia in children. Classification. Etiology. Pathogenesis. Morphological forms of community- acquired pneumonia. Diagnostic criteria. Principles of therapy.	2	
7.	Atopic dermatitis. Bronchial asthma. Etiology. Pathogenesis. Risk factors. Classification. Clinical forms. Diagnostic criteria. Principles of therapy.	2	
8.	Functional disorders of the gastrointestinal tract in young children. Intestinal colic. Acid-dependent diseases. Chronic gastroduodenitis. Peptic ulcer disease. Etiology. Pathogenesis. Diagnostic criteria. Principles of therapy.	2	
9.	Cardiovascular system pathology in children. Congenital heart defects. Etiology. Classification. Features of the clinical course. Chronic heart failure.	2	
10.	Urinary tract infection. Pyelonephritis. Etiology. Clinical and laboratory diagnostic criteria. Principles of therapy.	2	
11.	Approach to the child with Hematuria and proteinuria. Etiology. Pathogenesis. Diagnostic criteria. Principles of therapy.	2	
	TOTAL (total - AH)	22	
1.	Intrauterine infections. Etiology. Clinical Features. Diagnostic criteria. Principles of therapy.		2
2.	Acute respiratory viral infections. Etiology. Clinical Features. Diagnostic criteria. Principles of therapy.		2
3.	Exanthemes. Etiology. Clinical Features. Diagnostic criteria. Principles of therapy.		2
4.	Neuroinfections in children. Etiology. Clinical Features. Diagnostic criteria. Principles of therapy.		2
5.	Vaccination of infectious diseases in children. Main Principles of vaccination. Vaccination – schedule. Adverse effects of vaccination. TOTAL (total - AH)		10
	1011111 (101111 1111)		10

$N_{\underline{0}}$	Name of laboratory practicums	Volume in AH	
		semester	semester
	TOTAL (total - AH)		

6.2.3. Thematic plan of practicals

No	Name of the topics of practicals	Volume in AH	
	The second secon		
		Semester	Semester
		IX	X
			Λ
1.	Nutrition of infants of the first year of life	5	
	(breastfeeding, artificial). The benefits of		
	breastfeeding. The composition of maternal milk.		
	10 steps of successful breastfeeding.		
	Recommendations for breastfeeding support. Signs		
	of successful breastfeeding. Difficulties on the part		
	of the mother and child during breastfeeding,		
	methods of their correction.		
	Artificial feeding. Types of infant's formulas and		
	principles of their purpose.		
	Complementary food. Types of complementary		
	foods. The principles of the appointment of		
	complementary foods.		
	Preparation of a diet for children of the first year of		
	life who are on various types of feeding.		
2.	Physical development of infants of the first year of	5	
	life. Mass-growth indicators of infants of the first		
	year of life are normal and pathological. Parametric		
	and nonparametric methods of assessing physical		
	development. Factors affecting the physical		
	development of children.		
	Psychomotor development of children of the 1st		
	year of life. Developmental milestones.		
3.	Protein-energy malnutrition (PEM).	5	
	Etiopathogenesis. Classification. Principles of		
	nutritional status assessment. Assessment of		
	physical development using Z-score scales. Clinical		
	and laboratory criteria for the diagnosis of PEM.		
	Principles of therapy. Treatment. Measures for the		
	care of children with protein-energy deficiency.		
	Diseases accompanied by malabsorption syndrome		
1	(cystic fibrosis, celiac disease, lactase deficiency).	5	
4.	A newborn baby. Morphological and functional	5	
	features of organs and systems of the newborn. Features of examination of the newborn in the		
	delivery room and after discharge from the maternity hospital. The Apgar scale. Transitional		
5.	states of the newborn. Principles of newborn care. Pathological conditions in the neonatal period.	5	
J.	Asphyxia of a newborn. Clinical and laboratory	3	
	diagnostic criteria. Principles of resuscitation.		
	ulagnostic criteria. Frincipies of resuscitation.		

	Perinatal CNS lesion. Clinical and laboratory		
	criteria.		
	Birth trauma. Reasons. Classification. Diagnostic		
	criteria. Principles of correction.		
	Jaundice of newborns. Reasons. Differential		
	diagnosis. Hemolytic disease of the newborn. Etiopathogenesis. Clinical and laboratory		
	diagnostic criteria. Principles of treatment.		
6.	Vitamin-D-deficiency Rickets. Features of the	5	
	course of rickets at the present stage. Risk factors.		
	The biological role of vitamin D and calcium in the		
	child's body. Pathogenesis of rickets. Classification.		
	Clinical options. Criteria for laboratory and		
	instrumental diagnostics. Changes in bones in		
	rickets. (Ro-grams). Prevention and treatment of		
	rickets in children.		
	Iron deficiency anemia. Classification of anemia. Criteria for the diagnosis of iron deficiency. Diet		
	therapy. Principles of treatment and prevention.		
7.	Atopic dermatitis. Risk factors. The role of heredity	5	
'	and food allergy. Triggers. Pathogenesis.		
	Diagnostic criteria. The SCORAD scale.		
	Laboratory tests. Principles of local therapy. Diet		
	therapy.		
8.	Morphological and functional features of the	5	
	bronchopulmonary system in children. Physical		
	methods of examination of the bronchopulmonary		
	system. Pneumonia in children. Definition and		
	classification. Age-depended Etiology.		
	Pathogenesis. Clinical and diagnostic's criteria.		
	Differential diagnosis. Differentiated choice of		
	antibacterial therapy.		
9.	Bronchial asthma. Risk factors. The mechanism of	5	
	bronchial asthma development. Classification. Age-		
	different clinical features. Diagnostic criteria.		
	Allergological examination, clinical and laboratory		
	markers. Research by functions of external respiration. Treatment. Basic therapy. Therapy of		
	exacerbations		
10.	Morphological and functional features of the	5	
	cardiovascular system in children. Features of fetal		
	and newborn blood circulation. Physical methods		
	of cardiovascular system examination.		
	Congenital heart defects. Risk factors.		
	Classification.		
	CHD with left-to-right shunt ('pale')—		
	VSD,ASD,PDA. Defects with right-left shunting ("blue"): tetralogy		
	of Fallot, hypoplasia of the left heart syndrome,		
	transposition of great vessels, Eisenmenger		
	syndrome.		
	Features of hemodynamics. Clinical and Diagnostic		
	criteria. Complications. Principles of therapy.		
11.	Acute rheumatic fever in children. Etiology.	5	
	Pathogenesis. Diagnostic criteria. Classification.		
	Clinic. Features of treatment. Primary, secondary		

	and tentions provention of ADE		
	and tertiary prevention of ARF		
	Carditis in children. Etiology. Pathogenesis. Classification. Diagnostic criteria. Differential		
	diagnosis. Treatment. Prevention		
12	Morphological and functional features of the	5	
12	hematopoietic system in children. Indicators of		
	white and red blood are normal and depending on		
	age.		
	Pathology of the blood system in children:		
	Hemolytic anemia (hereditary spherocytosis),		
	hemoglobinopathies (sickle cell anemia,		
	thalassemia).		
	Hemorrhagic syndromes in pediatrics:		
	Coagulopathy (hemophilia). Immune		
	rhombocytopenia.		
	Etiology. Pathogenesis. Clinic. Diagnostics.		
13	Principles of therapy. Functional disorders of the gastrointestinal tract in	5	
13	young children. Regurgitation and vomiting	3	
	syndrome. Intestinal colic. Etiology. Diagnostics.		
	Treatment. Diet therapy.		
	Acid-dependent diseases in children: Chronic		
	gastroduodenitis, Peptic and duodenal ulcer.		
	GERD. Clinical and diagnostic criteria. Principles		
	of therapy		
14.	Pathology of the thyroid gland: congenital	5	
	hypothyroidism. Neonatal screening. Etiology		
	Clinical and diagnostic criteria. Treatment. Hyperthyroidism: clinical and diagnostic criteria,		
	complications. Principles of therapy.		
	Pathology of the adrenal glands: congenital adrenal		
	dysfunction. Etiology. Classification. Diagnostic		
	criteria. Principles of therapy. Chronic adrenal		
	insufficiency. Etiology. Classification. Diagnostic		
	criteria. Principles of therapy. Prevention and		
	treatment of acute adrenal insufficiency.		
15.	Urinary tract infection: acute pyelonephritis, acute	5	
	cystitis. Etiology. Clinical and diagnostic criteria.		
16.	Differential diagnosis. Treatment. Glomerulonephritis in children. An approach to the	5	
10.	diagnosis of hematuria and proteinuria in children.	3	
	Acute post-streptococcal glomerulonephritis.		
	Etiopathogenesis. Clinical and Diagnostic criteria.		
	Principles of therapy.		
	Nephrotic syndrome. Definition. Morphological		
	variants. Etiopathogenesis. Clinical and laboratory		
	criteria. Therapy.		
17	Final lesson (test)	4	
	TOTAL (total - AH)	84	
1.	Intrauterine infections. Etiology. Epidemiology		5
	Common symptoms of the TORCH-infection.		
	Clinical and laboratory criteria. Differential		
	diagnosis. Principles of laboratory diagnostics.		
	Treatment options. Sepsis of newborns. Etiology. Classification. Signs		
	and symptoms. Diagnosis. Principles of therapy.		
L	and symptoms. Diagnosis, I finciples of ulcrapy.	<u> </u>	l .

2.	Acute respiratory viral infections. Etiology	5
	Epidemiology Signs and symptoms. Associated	3
	diseases. Differential diagnosis of ARVI. Principles	
	of diagnosis and therapy.	
	Acute conditions requiring urgent care: acute	
	laryngotracheitis, bronchoobstructive syndrome.	
	Signs and symptoms. Emergency care	~
3.	Streptococcal infection in children: scarlet fever.	5
	Etiopathogenesis. Epidemiology Signs and	
	symptoms. Diagnostic criteria. Complications.	
	Treatment.	
	Streptococcal infection of the respiratory tract:	
	exudative pharyngitis (streptococcal tonsillitis).	
	Clinical and diagnostic criteria. Complications.	
	Differential diagnosis of diphtheria, infectious	
	mononucleosis. Treatment.	
	Streptococcal skin infection: erysipelas, impetigo.	
	Clinical and diagnostic criteria. Complications.	
	Treatment.	
	Exanthemas in children (rubella, measles,	
	chickenpox, sudden exanthema, parvovirus	
	infection, enterovirus infection). Etiology.	
	Epidemiology. Signs and symptoms. Principles of	
	diagnosis and therapy.	
4.	Neuroinfections in children. Age-depended	5
	Etiology. Epidemiology. Features of the clinic.	
	Signs and symptoms. Differential diagnosis of	
	aseptic and bacterial meningitis. Complications.	
	Principles of diagnosis and therapy.	
	Meningococcal infection. Etiology. Epidemiology.	
	Classification. Signs and symptoms. Complications	
	(infectious-toxic shock, Waterhouse-Friederiksen	
	syndrome). Principles of therapy	
5.	Acute intestinal infections in children. Etiology.	5
	Epidemiology Classification. Signs and symptoms.	
	Differential diagnosis. Complications (exicosis	
	with toxicosis). Types and severity of dehydration.	
	Principles of oral and parenteral rehydration.	
	Features of diet therapy for Acute intestinal	
	infections.	
	Helminthic invasion in children: lyabliosis,	
	ascariasis, enterobiosis. Signs and symptoms	
	Diagnostic's criteria. Principles of deworming.	
6.	Vaccination of infectious diseases in children.	5
J.	Definition of active and passive immunization.	
	Types of vaccines. Basic principles of vaccination.	
	Vaccination – schedule in different countries.	
	Adverse effects of vaccination. Anaphylactic	
	shock. Signs and symptoms. Emergency assistance	
7.	Exam	4
ļ '·		
	TOTAL (total - AH)	34

6.2.4. Thematic plan of seminars (not provided by the program)

	<u> </u>	 1 ,	1 6 /
№	Name of seminar topics		Volume in AH

	semester	semester
TOTAL (total - AH)		

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

3.0	6.2.5. Types and topics of student's individual work (' ATT
Nº	Types and topics of SIW	Volum	e in AH
		semester	semester
1.	Work with lecture and recommended literary material on the topic: "Nutrition of infant of the first year of life (breastfeeding, artificial)", preparation of a presentation on the topic "Artificial feeding. Types of infant's formulas", preparation of the diet of a healthy child who is on breatfeeding / artificial feeding; tests on the topic of the lesson	5	
2.	Work with lecture and recommended literary material homework on the topic "Physical development of children of the first year of life", assessment of physical development of children using the Z-score scale; tests on the topic of the lesson.	4	
3.	Work with lecture and recommended literature material on the topic "Protein-energy malnutrition", preparation of presentations on the topics "Malabsorption syndrome: celiac disease, cystic fibrosis, lactase deficiency. Etiology. Pathogenesis. Diagnosis. Treatment. Principles of diet therapy"; Clinical observation a patient according to the child's curation scheme, solving situational problems, tests on the topic of the lesson	5	
4.	Work with lecture and recommended literary material on the topic "Newborn baby. Transitional states. Principles of care", Clinical observation a patient according to the child's curation scheme of a newborn child with the collection of prenatal, perinatal and neonatal anamnesis, solving situational problems.	5	
5.	Work with lecture and recommended literature material on the topic "Pathological conditions in the neonatal period", Clinical observation a patient according to the child's curation scheme of a newborn child with the collection of prenatal, perinatal and neonatal anamnesis, solving situational problems.	4	
6.	Work with lecture and recommended literature material on the topic "Alimentary-dependent conditions in young children: vitamin D deficiency rickets, iron deficiency anemia", preparation of presentations on the topics "The role of vitamin D and its biological effects in the child's body. Iron exchange in organism"; Clinical observation a patient according to the curation scheme, making a diet for alimentary-dependent conditions, solving	5	

	situational problems, tasts on the tonic of the lesson		
7	situational problems, tests on the topic of the lesson	1	
7.	Work with lecture and recommended literature	4	
	material on the topic "Atopic dermatitis"; Clinical		
	observation with the patient according to the		
	curation scheme using the SCORAD scale; solving		
	typical situational tasks and tests.	_	
8.	Work with lecture and recommended literature	5	
	material on the topic "Pneumonia in children";		
	Clinical observation a patient according to the		
	curation scheme; solving typical situational tasks		
	and tests, writing prescriptions with the calculation		
	of the dose of antibiotics		
9.	Work with lecture and recommended literature	4	
	material on the topic "Bronchial asthma in		
	children"; preparation of presentations on the topics		
	"Types of drug delivery in the treatment of		
	bronchial asthma. Allergological tests. Specific		
	immunotherapy"; Clinical observation the patient		
	according to the curation scheme; solving typical		
	situational tasks and tests.		
10.	Work with lecture and recommended literature	5	
	material on the topic "Congenital heart defects";		
	preparation of presentations on the topics		
	"Transposition of the main vessels", "Hypoplasia		
	of the left heart", "Chronic heart failure. Features		
	of the signs and symptoms, treatment of CHF in		
	children", "Infectious endocarditis. Signs and		
	symptoms. Diagnostic criteria. Principles of		
	therapy. Clinical observation the patient according		
	to the curation scheme; solving typical situational		
	tasks and tests		
11.	Work with lecture and recommended literary	5	
11.	material on the topic "Acute rheumatic fever.	3	
	Cardiology"; preparation of presentations on the		
	topics " Arthritis syndrome in pediatrics: juvenile		
	idiopathic arthritis. Diagnostic's criteria. Principles		
	of therapy", "Primary myocardial diseases: dilated		
	and hypertrophic cardiomyopathy. Diagnostic's		
	criteria. Principles of therapy"; Clinical observation		
	the patient according to the curation scheme;		
	solving typical situational tasks and tests		
12.	Work with lecture and recommended literature	5	
12.	material on the topic "Pathology of the blood	3	
	1		
	system in children"; Clinical observation the		
	patient according to the curation scheme; solving		
12	typical situational tasks and tests	4	
13.	Work with lecture and recommended literature	4	
	material on the topic "Gastrointestinal diseases in		
	young and older children"; preparation of a		
	presentation on the topic "Chronic diarrhea in		
1.4	children"; solving typical situational tasks and tests	4	
14.	Work with lecture and recommended literature	4	
	material on the topic "Pathology of the thyroid		
	gland and adrenal glands"; preparation of a		
	presentation on the topic "Biological effects of		
	thyroid and adrenal hormones"; solving a cases and		
	tests		

15. Work with lecture and recommended literature material on the topic "Urinary tract infection"; preparation of a presentation on the topic "Chronic kidney disease"; evaluation of the results of urine tests; prescriptions of the antibiotics dose and systemic glucocorticoids; solving typical situational tasks and tests. 16. Work with lecture and recommended literature material on the topic "Glomerulonephritis"; preparation of a presentation on "Acute kidney injury"; evaluation of the results of urine and blood tests in order to predict the functional state of the kidneys; prescriptions with the calculation of the dose of systemic corticosteroids; solving typical situational tasks and tests. TOTAL (total – AH) 1. Work with lecture and recommended literature material on the topic "Tarvatureine infections"; solving situational problems, tests 2. Work with lecture and recommended literature material on the topic "ARVI in children"; preparation of presentations on the topics: "Adenovirus infection. RS infection. Clinical Features. Diagnostic criteria. Principles of therapy and prevention"; solving situational problems, tests 3. Work with lecture and recommended literature material on the topic "Streptococcal infection in children. Exanthemes in children"; preparation of presentations on the following topics: "Kawasaki disease in children", "Multisystem inflammatory syndrome in children associated with COVID-19 infection"; solving situational problems, tests 4. Work with lecture and recommended literature material on the topic "Neuroinfections in children"; preparation of a presentation on the topic "Infection"; solving situational problems, tests 5. Work with lecture and recommended literature material on the topic "Neuroinfections in children"; preparation of a presentation on the topic "Salmonellosis. Dysentery. Rotavirus infection in children"; preparation of a presentation on the topic "Salmonellosis. Dysentery. Rotavirus infection in children"; preparation of a presentation on the topic "Salmonellosis. D				1
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7. Types of assessment formats for ongoing monitoring and mid-term assessment

	/. 1	ypes or as	ssessificate tot ma	ts for ongoing mo	and II	Assessmen		
№	Se mes ter No.	Types of	control	Name of section of academic discipline	Competence	types	number of test questions	number of test task options
	IX		Control of infants of the first year of life GPC	-4, UC- 5 GPC - 4, GPC - 5,	MCQ	12	Unlimited	
1.		Current monito ring	Monitoring the student's individual work	(breastfeeding, artificial). The benefits of breastfeeding. Artificial feeding. Types of infant's formulas and principles of their purpose. Complementar y food. Types of complementar y foods. The principles of the appointment of complementar y foods. Preparation of a diet for children of the first year of life who are on various types of feeding.	GPC- 7, GPC- 10 PC - 1, PC - 3, PC - 8, PC - 9 PC - 9	control question clinical cases	1	15 15
2.	IX	Current monito ring	Control of mastering the topic	Physical development of infants of the first year	UC - 1, UC - 4, UC- 5 GPC - 4, GPC - 5,	MCQ	7	Unlimited
3.			Monitoring the student's individual work	of life. Mass-growth indicators of infants of the first year of life are normal and pathological. Parametric and nonparametric methods of assessing physical development. Factors	GPC- 7, GPC- 10 PC - 1, PC - 3, PC - 8, PC - 9	control question clinical cases	1	15 15

	IX		Control of mastering the topic	affecting the physical development of children. Psychomotor development of children of the 1st year of life. Developmental milestones. Protein-energy malnutrition (PEM). Etiopathogene sis. Classification. Principles of	UC - 1, UC - 4, UC- 5 GPC - 4, GPC - 5, GPC- 7, GPC- 10	MCQ	14	Unlimited
		Current monito ring	Monitoring the student's individual work	nutritional status assessment. Assessment of physical development using Z-score scales. Clinical and laboratory criteria for the diagnosis of PEM. Principles of therapy. Treatment. Measures for the care of children with protein-energy deficiency. Diseases accompanied by malabsorption syndrome (cystic fibrosis, celiac disease, lactase deficiency).	PC - 1, PC - 3, PC - 8, PC - 9	control question clinical cases	1 4	15 5
4	IX	Current monito	Control of mastering the topic	A newborn baby. Morphological and functional features of	UC - 1, UC - 4, UC- 5 GPC - 4, GPC - 5, GPC- 7,	MCQ	10	Unlimited
4.		ring	Monitoring the student's individual work	organs and systems of the newborn. Features of examination of	GPC- 7, GPC-10 PC - 1, PC - 3, PC - 8, PC - 9	control question clinical cases	1 4	15 5

				the newborn in	I		1	1
				the delivery				
				room and after				
				discharge from				
				the maternity				
				hospital. The				
				Apgar scale.				
				Transitional				
				states of the				
				newborn.				
				Principles of				
				newborn care.				
	IX		Control of	Pathological	UC – 1, UC			
			mastering the	conditions in	– 4, UC- 5			
			topic	the neonatal	GPC - 4	MCQ	10	Unlimited
				period.				
				Asphyxia of a	GPC - 5,			
				newborn.	GPC- 7,			
				Clinical and	GPC- 10			
				laboratory	PC – 1, PC			
				diagnostic	-3, PC - 8,			
				criteria.	PC – 9			
				Principles of				
				resuscitation.				
				Perinatal CNS				
				lesion. Clinical				
				and laboratory				
				criteria.				
				Birth trauma.			1	15
		Current		Reasons.			1	13
		monito		Classification.			4	4
5.		ring		Diagnostic			4	4
		inig	Monitoring			control		
			the student's	criteria.		question		
			individual	Principles of		clinical		
			work	correction.		cases		
				Jaundice of				
				newborns.				
				Reasons.				
				Differential				
				diagnosis.				
				Hemolytic				
				disease of the				
				newborn.				
				Etiopathogene				
				sis. Clinical				
				and laboratory				
				diagnostic				
				criteria.				
				Principles of				
				treatment.				
	IX	Current	Control of	Vitamin-D-	UC – 1, UC			
		monito	mastering the	deficiency	- 4, UC- 5			
6.			topic	Rickets.	GPC - 4	MCQ	15	Unlimited
		ring	•	Features of the	GPC - 5			
				course of	OFC - 3,			
1	i	<u>i </u>	<u>i</u>	J1	<u> </u>	<u> </u>	1	1

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			Monitoring the student's individual work	rickets at the present stage. Risk factors. The biological role of vitamin D and calcium in the child's body. Pathogenesis of rickets. Classification. Clinical options. Criteria for laboratory and instrumental diagnostics. Changes in bones in rickets. (Rograms). Prevention and treatment of rickets in children. Iron deficiency anemia. Classification of anemia. Criteria for the diagnosis of iron deficiency. Diet therapy. Principles of treatment and	GPC-10 PC - 1, PC - 3, PC - 8, PC - 9	control question clinical cases	1 5	15 4
	IX		Control of mastering the topic	Atopic dermatitis. Risk factors. The role of heredity and	OIC - 3,	MCQ	15	Unlimited
7.		Current monito ring	Monitoring the student's individual work	food allergy. Triggers. Pathogenesis. Diagnostic criteria. The SCORAD scale. Laboratory tests. Principles of local therapy. Diet therapy.	GPC- 7, GPC- 10 PC - 1, PC - 3, PC - 8, PC - 9	control question clinical cases	1 4	15 2

	IX		Control of	Morphological	UC – 1, UC			
			mastering the topic	and functional features of the bronchopulmo nary system in	- 4, UC- 5 GPC - 4, GPC - 5, GPC- 7,	MCQ	10	Unlimited
8.		Current monito ring	Monitoring the student's individual work	children. Physical methods of examination of the bronchopulmo nary system. Pneumonia in children. Definition and classification. Age-depended Etiology. Pathogenesis. Clinical and diagnostic's criteria. Differential diagnosis. Differentiated choice of antibacterial therapy.	GPC- 10 PC - 1, PC - 3, PC - 8, PC - 9	control question clinical cases	1 6	15
	IX		Control of mastering the topic	Bronchial asthma. Risk factors. The mechanism of bronchial	UC - 1, UC - 4, UC- 5 GPC - 4, GPC - 5, GPC- 7,	MCQ	8	Unlimited
9.		Current monito ring	Monitoring the student's individual work	asthma development. Classification. Age-different clinical features. Diagnostic criteria. Allergological examination, clinical and laboratory markers. Research by functions of external respiration. Treatment. Basic therapy. Therapy of exacerbations	GPC-10 PC - 1, PC - 3, PC - 8, PC - 9	control question clinical cases	1 4	15 3

	IX		Control of	Morphological	UC – 1, UC			
			mastering the topic	and functional features of the cardiovascular system in	- 4, UC- 5 GPC - 4, GPC - 5, GPC- 7,	MCQ	12	Unlimited
1 0		Current monito ring	Monitoring the student's individual work	children. Physical methods of cardiovascular system examination. Congenital heart defects. Risk factors. Classification. CHD with left- to-right shunt ('pale')— VSD,ASD,PD A. Defects with right-left shunting ("blue"): tetralogy of Fallot, hypoplasia of the left heart syndrome, transposition of great vessels, Eisenmenger syndrome. Features of hemodynamics . Clinical and Diagnostic criteria. Complications. Principles of therapy.	GPC-10 PC - 1, PC - 3, PC - 8, PC - 9	control question clinical cases	1 4	15 5
	IX		Control of mastering the topic	Acute rheumatic fever in children. Etiology.	UC - 1, UC - 4, UC- 5 GPC - 4, GPC - 5, GPC- 7,	MCQ	15	Unlimited
1		Current monito ring	Monitoring the student's individual work	Pathogenesis. Diagnostic criteria. Classification. Clinic. Features of treatment. Primary, secondary and tertiary	GPC-10 PC - 1, PC - 3, PC - 8, PC - 9	control question clinical cases		

				prevention of			1	15
				ARF				
				Carditis in children.			4	4
				Etiology.				
				Pathogenesis. Classification.				
				Diagnostic				
				criteria.				
				Differential diagnosis.				
				Treatment.				
	IX		Control of	Prevention Morphological	UC – 1, UC			Unlimited
	IA		mastering the	and functional	- 4, UC- 5			Cimilited
			topic	features of the	GPC - 4,	MCQ	12	
				hematopoietic system in	GPC - 5,			
				children.	GPC- 7, GPC-10			
				Pathology of the blood	PC – 1, PC			
				system in	-3, PC -8 ,			
				children:	PC – 9			
				Hemolytic anemia				
				(hereditary				
		Current		spherocytosis), hemoglobinop				
1		monito		athies (sickle				
2		ring	Monitoring	cell anemia, thalassemia).		control	1	15
			the student's	Hemorrhagic		question	1	13
			individual work	syndromes in		clinical cases	4	6
				pediatrics: Coagulopathy				
				(hemophilia).				
				Immune rhombocytope				
				nia.				
				Etiology.				
				Pathogenesis. Clinic.				
				Diagnostics.				
				Principles of therapy.				
	IX		Control of	Functional	UC – 1, UC			
			mastering the topic	disorders of the	-4, UC-5	MCQ	12	Unlimited
			topic	gastrointestina	GPC - 4, GPC - 5,		1.2	
1		Current monito		1 tract in young children.	GPC- 7,			
3		ring	Monitoria	Regurgitation	GPC-10	aontes 1		
			Monitoring the student's	and vomiting	PC - 1, PC - 3, PC - 8,	control question		
			individual	syndrome. Intestinal	PC – 9	clinical		
			work	colic.		cases		
				Etiology.				

		T	I	T = .	I		1	1
				Diagnostics.				
				Treatment.				
				Diet therapy.			1	15
				Acid-				
				dependent			4	4
				diseases in				
				children:				
				Chronic				
				gastroduodenit				
				is, Peptic and				
				duodenal				
				ulcer. GERD.				
				Clinical and				
				diagnostic				
				criteria.				
				Principles of				
				therapy				
-	IX		Control of		IIC 1 IIC			
	1/1				UC – 1, UC			
			mastering the	the thyroid	.,	MCO	10	TT 1' '. 1
			topic	gland:	GPC - 4,	MCQ	10	Unlimited
				congenital	GPC - 5,			
				hypothyroidis	GPC- 7,			
				m. Neonatal	GPC- 10			
				screening.				
				Etiology	PC – 1, PC			
				Clinical and	-3, PC - 8,			
				diagnostic	PC – 9			
				criteria.				
				Treatment.				
				Hyperthyroidis				
				m: clinical and				
				diagnostic				
				criteria,				
				complications.			1	15
				Principles of				
		Current		therapy.			4	5
1		monito		Pathology of				
4		ring		the adrenal				
1		0	Monitoring	glands:		control		
			the student's	congenital		question		
			individual	adrenal		clinical		
			work			cases		
				dysfunction.				
				Etiology.				
				Classification.				
				Diagnostic				
				criteria.				
				Principles of				
				therapy.				
				Chronic				
				adrenal				
				insufficiency.				
	1			Etiology.				
1				Luoros y.	1			
				Classification.				
				Classification. Diagnostic				
				Classification. Diagnostic criteria.				
				Classification. Diagnostic				

	IV		Control	Prevention and treatment of acute adrenal insufficiency.	HG 1 HG			
1	IX	Current	Control of mastering the topic	Urinary tract infection: acute pyelonephritis, acute cystitis.	UC - 1, UC - 4, UC- 5 GPC - 4, GPC - 5, GPC- 7,	MCQ	14	Unlimited
5		monito ring	Monitoring the student's individual work	Etiology. Clinical and diagnostic criteria. Differential diagnosis. Treatment.	GPC-10 PC - 1, PC - 3, PC - 8, PC - 9	control question clinical cases	1	15
	IX		Control of mastering the topic	Glomerulonep hritis in children. An approach to the diagnosis	UC - 1, UC - 4, UC- 5 GPC - 4, GPC - 5, GPC- 7,	MCQ	8	Unlimited
1 6		Current monito ring	Monitoring the student's individual work	of hematuria and proteinuria in children. Acute post-streptococcal glomeruloneph ritis. Etiopathogene sis. Clinical and Diagnostic criteria. Principles of therapy. Nephrotic syndrome. Definition. Morphological variants. Etiopathogene sis. Clinical and laboratory criteria. Therapy.	GPC-10 PC - 1, PC - 3, PC - 8, PC - 9	control question clinical cases	1 4	15 5
1 7	IX	Current monito ring	Monitoring the student's individual work	Final lesson (test)		MCQ control question clinical cases	30 1 5	Unlimited 15
1 8	X	Current monito ring	Control of mastering the topic	Intrauterine infections. Etiology. Epidemiology	UC - 1, UC - 4, UC- 5 GPC - 4, GPC - 5,	MCQ	5	Unlimited

		1	1	T	T		1	,
				Common	GPC- 7,			
				symptoms of	GPC- 10			
				the TORCH-	PC – 3, PC			
				infection.	-8, PC - 9			
				Clinical and				
				laboratory				
				criteria.				
				Differential				
				diagnosis.				
			Monitoring	Principles of		control		
			the student's	laboratory		question	1	15
			individual	diagnostics.		clinical		
			work	Treatment		cases	5	5
				options.				
				Sepsis of				
				newborns.				
				Etiology.				
				Classification.				
				Signs and				
				symptoms.				
				Diagnosis.				
				Principles of				
	X		G . 1 . 2	therapy. Acute	UC – 1, UC			
	Λ		Control of				10	
			mastering the	respiratory viral	- 4, UC- 5	MCQ	10	Unlimited
			topic	infections.	GPC – 4,			Ommined
				Etiology	GPC - 5,			
				Epidemiology	GPC- 7,			
				Signs and	GPC- 10			
				symptoms.	PC – 3, PC			
				Associated	-8, PC - 9			
				diseases.				
				Differential				
				diagnosis of				
				ARVI.				
		Current		Principles of			1	15
1		monito	3.6	diagnosis and			1	
9		ring	Monitoring	therapy.		control	4	5
			the student's	Acute		question	·	
			individual	conditions		clinical		
			work	requiring		cases		
				urgent care:				
				acute				
				laryngotracheit				
				is,				
				bronchoobstru				
				ctive				
				syndrome.				
				Signs and				
				symptoms. Emergency				
				care				
	X	Current	Control of					
2		monito	mastering the	Streptococcal infection in				
0		ring	topic topic	children:		MCQ	15	Unlimited
		8	topic	scarlet fever.				
		<u> </u>						

	Etiopathogene	UC – 1, UC			
	sis.	−4, UC- 5			
	Epidemiology	GPC - 4,			
	Signs and	GPC - 5,			
	symptoms.				
	Diagnostic	GPC- 7,			
	criteria.	GPC- 10			
	Complications.	PC - 3, PC			
	Treatment.	-8, PC - 9			
	Streptococcal	·			
	infection of the				
	respiratory				
	tract:				
	exudative				
	pharyngitis				
	(streptococcal				
	tonsillitis).				
	Clinical and				
	diagnostic				
	criteria.				
	Complications.				
	Differential				
	diagnosis of			1	15
	diphtheria,			_	_
Monitoring	infectious			5	8
the student's	mononucleosis		control		
individual	. Treatment.		question		
work	Streptococcal		clinical		
WOIK	skin infection:		cases		
	erysipelas,				
	impetigo.				
	Clinical and				
	diagnostic				
	criteria.				
	Complications.				
	Treatment.				
	Exanthemas in				
	children				
	(rubella,				
	measles,				
	chickenpox,				
	sudden				
	exanthema,				
	parvovirus				
	infection,				
	enterovirus				
	infection).				
	Etiology.				
	Epidemiology.				
	Signs and				
	symptoms.				
	Principles of				
	•				
	therapy.				

	X		Control of mastering the topic	Neuroinfection s in children. Age-depended Etiology.		MCQ	10	Unlimited
2 1		Current monito ring	Monitoring the student's individual work	Epidemiology. Features of the clinic. Signs and symptoms. Differential diagnosis of aseptic and bacterial meningitis. Complications. Principles of diagnosis and therapy. Meningococca l infection. Etiology. Epidemiology. Classification. Signs and symptoms. Complications (infectioustoxic shock, Waterhouse-Friederiksen syndrome). Principles of therapy		control question clinical cases	1 5	15 2
	X		Control of mastering the topic	Acute intestinal infections in children.		MCQ	5	Unlimited
2 2		Current monito ring	Monitoring the student's individual work	Etiology. Epidemiology Classification. Signs and symptoms. Differential diagnosis. Complications (exicosis with toxicosis). Types and severity of dehydration. Principles of oral and parenteral rehydration. Features of diet therapy for Acute intestinal	UC - 1, UC - 4, UC- 5 GPC - 4, GPC - 5, GPC- 7, GPC- 10 PC - 3, PC - 8, PC - 9	control question clinical cases	1 2	15 2

	X		Control of	infections. Helminthic invasion in children: gyargiaisis, ascariasis, enterobiosis. Signs and symptoms Diagnostic's criteria. Principles of deworming. Vaccination of	UC – 1, UC			
	A		Control of mastering the topic	infectious diseases in children.	-4, UC- 5 GPC - 4, GPC - 5,	MCQ	10	Unlimited
2 3		Current monito ring	Monitoring the student's individual work	Definition of active and passive immunization. Types of vaccines. Basic principles of vaccination. Vaccination – schedule in different countries. Adverse effects of vaccination. Anaphylactic shock. Signs and symptoms. Emergency assistance	GPC- 7, GPC- 10 PC - 3, PC - 8, PC - 9	control question clinical cases	1 2	15 2
2 4.		Mid- term assess	Exam/ Credit			MCQ control question	50	Unlimited 30
		ment				clinical cases	3	30

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

8.1. Key literature references

$N_{\underline{0}}$	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1			
	Marcdante, K. J. Nelson essentials of pediatrics / K. J. Marcdante, R. M. Kliegman 7th ed Philadelphia : Elsevier Saunders, 2015. – 754 p.	20	1
2	Kliegman, R. M. Nelson Essentials of Pediatrics. – 8	15	

	ed. International Edition: Elsevier Science, 2018 (B		
	процессе закупки)		
3	Nelson Textbook of Pediatrics / R. M. Kliegman, M.	15	
	Robert, St. Geme, 2019 (в процессе закупки)	13	

8.2. Further reading

No॒	Name according to bibliographic requirements	Number	of copies
		at the department	in the library
1	The 5 minute pediatric consult / M. W. Schwartz; Schwartz M. William. – 2th ed : Lippincott Williams & Wilkins, 2000. – 1050 p.	1	1
2	Ghal essential pediatrics / A. Bagga, V. Paul, A. Sinha; Paul, Vinod; Bagga, Arvind; Sinha, Aditi. – 8 th ed. – New Delhi: CBS Publishers & Distributors, 2017. – 783 p.+1CD-Rom.	1	-
3	Recommendations for data collection, analysis and reporting on anthropometric indicators in children under 5 years old. – S.I.: World Health Organization, 2019. – 145 p.	1	-
4	Cabana, M. 5-minute pediatric consult Lippincott Williams & Wilkins, 2018	2	-

8.3. Electronic educational resources for teaching academic subjects

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

No	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1	Internal Electronic Library System of the University (IELSU)	The works of the staff of University (textbooks, manuals, collections of tasks, manuals, laboratory work, monographs, etc.)	Access by individual login and password from any computer and mobile device (on the platform of the Electronic Library of University)	Unlimited

8.3.2. Electronic educational resources acquired by the University

№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1	Database "Medicine. Healthcare (HE) and "Medicine. Healthcare (MPE)" as part of the database "Electronic library of a technical university (EBS "Student Consultant")	Textbooks and teaching aids for higher medical and pharmaceutical education	Access by individual login and password from any computer and mobile device (on the platform of the Electronic Library of University)	Unlimited
2	Database "Doctor's consultant. Electronic	National guidelines, clinical guidelines,	Access by individual login	Unlimited
	Medical Library"	textbooks, monographs,	and password	

3.	Database "Electronic library system "Bukap"	atlases, reference books, etc. Educational and scientific medical literature of Russian publishers, including translated editions. The collection of subscription publications is	from any computer and mobile device (on the platform of the Electronic Library of University) Access by individual login and password from any computer and mobile device (on	Unlimited
		formed point-by-point.	the platform of the Electronic Library of University)	
4.	Electronic library "Yurayt"	Collection of publications on psychology, ethics, conflictology	Access by individual login and password from any computer and mobile device (on the platform of the Electronic Library of University)	Unlimited
5.	Electronic periodicals as part of the database "SCIENTIFIC ELECTRONIC LIBRARY eLibrary"	Electronic medical journals	Access is from university computers.	Unlimited
6.	Electronic subscription of the Central Scientific Medical Library of the I.M. Sechenov First Moscow State Medical University	Electronic copies of scientific and educational publications from the CSML Foundation	Access by individual login and password from any computer and mobile device (on the platform of the Electronic Library of University)	Limited issuance (700 doc. Per year)
7.	Integrated Information and Library system (ILS) of the scientific and educational medical cluster of the Volga Federal District - "Srednevolzhsky" (contract on a free basis)	Electronic copies of scientific and educational publications from the collections of libraries participating in the scientific and educational medical cluster of the Volga Federal District "Srednevolzhsky"	Access by individual login and password from any computer and mobile device (on the platform of the Electronic Library of University)	Unlimited

8.3.3 Open access resources

№	Name of the electronic resource	Brief description (content)	Access conditions

1.	Federal Electronic Medical Library	Full-text electronic copies of printed publications and original electronic publications on medicine and biology	Access from any computer and mobile device
2.	Scientific Electronic Library eLIBRARY.RU	The Russian information portal in the field of science, technology, medicine and education, containing abstracts and full texts of scientific publications, including electronic versions of Russian scientific journals.	Access from any computer and mobile device
3.	Open Access Scientific Electronic Library CyberLeninka	Full texts of scientific articles with annotations published in scientific journals of Russia and Neighboring countries	Access from any computer and mobile device
4.	PubMed	The search engine of the National Medical Library of the USA for the search of publications on medicine and biology in the English-language databases "Medline", "PreMedline" and files of publishing descriptions	Access from any computer and mobile device
5.	Directory of Open Access Journals	Directory of open access to the full-text collection of periodicals (over 11 thousand titles)	Access from any computer and mobile device
6.	Directory of open access books (DOAB)	Directory of open access to the full-text collection of scientific books (over 10 thousand)	Access from any computer and mobile device
	Foreign resources w	ithin the framework of a Nationa	l subscription
7.	Electronic collection of Springer publishing house	Full-text scientific publications (journals, books, articles, scientific protocols, conference materials, etc.) on natural sciences, medical and humanities	Access is from university computers.
8.	Database of periodicals of the publishing house Wiley	Periodicals of Wiley Publishing House on natural sciences, medical sciences and humanities	Access – from university computers, from any computer with an individual login and password
9.	Electronic collection "Freedom" on the Science Direct platform	Books and periodicals of the Elsevier publishing house on natural sciences, medical sciences and humanities	Access – from university computers, from any computer with an individual login and password

9. Material and technical support for mastering an academic discipline

- 9.1. List of premises for classroom activities for the discipline
- 1. Lecture halls in the Nizhny Novgorod Regional Children's Clinical Hospital
- 2. Class rooms in the Nizhny Novgorod Regional Children's Clinical Hospital
- 9.2. List of equipment for classroom activities for the discipline
- 1. Multimedia complex;
- 2. Information stands (history of the department, teaching staff of the department, educational and methodological products of the department, thematic and calendar plans of the educational process, schedule of lectures and classes for the semester)

- 3. Tables, chairs;
- 4. Archival and educational case histories;
- 5. Medical documentation, basic orders of the Ministry of Health of the Russian Federation;
- 6. Layout of the child's development history;
- 7.A set of samples of laboratory results (UAC, OAM, a set of biochemical blood tests, duodenal probing, Ph-metry)
- 8. A set of samples of the results of instrumental studies (ECG, Echo-KG; Ro-images of the chest, wrist bones, kidneys; ultrasound of the abdominal cavity and kidneys);
 - 9. Phonendoscopes;
 - 10. Nebulizers;
 - 11.Tonometer;
 - 12. Electronic scales;
 - 13. Height meters;
 - 14. Multimedia presentation slides;
 - 15. Videofilms "Examening of the child"; "Croup", Pertussis"
 - 16. Tables

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 Document Foundation	Freely 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		Office			23618/HN100 30 LLC "Softline Trade" from 04.12.2020
	Health of Russia	170	Application	Microsoft		

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

Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"

Ministry of Health of the Russian Federation
(FSBEI HE "PRMU" of the Ministry of Health of Russia)

Department of *Name of the department*

CHANGE REGISTRATION SHEET

working program for the academic discipline *NAME OF THE ACADEMIC DISCIPLINE*

NAME OF THE ACADEMIC DISCHEINE										
		entific specialty:	 (code, no	ume)						
1 raining	g prome:									
	(nam	e) - for master's degree programs								
Mode o	f study:									
Mode of study: full-time/mixed attendance mode/extramural										
		•								
Position	Number and name of	Contents of the changes made	Effective date of	Contributor's						
	the program section		the changes	signature						
1										
Approv	ed at the department n	neeting								
Protoco	l Noof	20								
Head of	Head of the Department									
		/_								
departr	nent name, academic title	signature	print name	,						