

№ ЛД-21 ИИ

Federal State Budgetary Educational Institution
of higher education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
of the Ministry of Healthcare of the Russian Federation

APPROVED

Rector of FSBEI HE NOSMA
MOH Russia

"17" 04 2024

TRAINING PRACTICE PROGRAM

general medical practice (fundamentals of practical training for the professional activity of a
medical doctor for the provision of primary health care)

«INFECTIOUS DISEASES IN THE PRACTICE OF A PRIMARY CARE PHYSICIAN»

the main professional educational program of higher education – the specialty program in the
specialty 31.05.01 Medical care, approved on 17.04.2024.

Form of education _____ Full-time _____

The period of development _____ 6 _____

Department of _____ Infectious Diseases _____

Vladikavkaz, 2024

When developing the program of training practice, the basis is based on:

1. Federal State Educational Standard for the specialty 31.05.01 Medical Care, approved by the Ministry of Education and Science of the Russian Federation "12" August 2020 № 988

2. Curriculum basic professional educational program of higher education in specialty 31.05.01 General Medicine:

ЛД-21-01-21 ИИ

ЛД-21-02-22 ИИ

ЛД-21-03-23 ИИ

ЛД-21-04-24 ИИ, approved by the Academic Council of the Federal State Budgetary Educational Institution of the Ministry of Health of the Russian Federation on april 17, 2024 Protocol № 6

The program of training practice was approved at the meeting of the Department of Infectious Diseases of march 25, 2024, protocol № 8.

The program of educational practice was approved at the meeting of the central coordinating Educational and Methodological Council of april 02, 2024, protocol № 4.

The program of educational practice is approved by the Academic Council FGBOU VO SOGMA of the Ministry of Health of the Russian Federation of "17 " april 2024, Protocol № 6.

Developers:

Head of the Department of Infectious Diseases, Associate Professor Ph.D. Otaraeva B.I.

Associate Professor of the Department of Infectious Diseases, Ph.D. Plieva Zh.G.

Associate Professor of the Department of Infectious Diseases, Ph.D. Gurieva Z.S.

Reviewers:

Head of the Office of the Federal Service for Supervision of Rights Protection

consumers and human well-being in the Republic of North Ossetia - Alania

Tibilov A. G.

Head of the Department of Microbiology, Federal State Budgetary Educational Institution of Higher Education SOGMA, Ministry of Health of Russia,

Doctor of Medical Sciences, Associate Professor Tretyakova I. E.

Content of the training practice

1. The name of the training practice;
2. A list of planned learning outcomes in educational practice, correlated with the planned results of mastering the educational program;
3. An indication of the place of educational practice in the structure of the educational program;
4. The volume of training practice in credit units, indicating the number of academic or astronomical hours allocated for contact work of students with a teacher (by type of training) and for independent work of students;
5. The content of educational practice, structured by topics (sections) with an indication of the number of academic or astronomical hours allocated to them and types of training sessions;
6. List of educational and methodological support for independent work of students in educational practice;
7. evaluation materials for conducting intermediate certification of students for the development of educational practice;
8. A list of basic and additional educational literature necessary for the development of educational practice;
9. A list of resources of the information and telecommunication network "Internet" (hereinafter referred to as the "Internet" network), necessary for the development of educational practice;
10. Methodical instructions for students for the development of educational practice;
11. A list of information technologies used in the implementation of the educational process for educational practice, including a list of software and information reference systems (if necessary);
12. Description of the material and technical base necessary for the implementation of the educational process for educational practice.
13. Conducting educational activities using e-learning and distance learning technologies.

2.The list of planned learning outcomes in the discipline and the results of mastering the educational program

№. p/p	Competency number/index	Competence number / Index	Topic of the lesson (section)	Indicators of competence achievement	Development results		
					To know	be able to	own
1	2	3	4	5	6	7	8
1.	GPC -1	GPC -1 Able to implement moral and legal norms, ethical and deontological principles in professional activities	Diagnosis and differential diagnosis of infectious diseases in the practice of a primary care physician. Food toxicoinfections bacterial of unspecified etiology, shigellosis, salmonellosis, typhoid paratyphoid diseases, cholera, yersiniosis. Viral hepatitis. ARVI-influenza, parainfluenza, adenovirus infection, rhinovirus infection. Meningococcal infection. Diphtheria. Infectious mononucleosis. GLPS Borreliosis Erysipelas Malaria Giardiasis	AI -1 GPC -1 He is able to observe the moral and legal foundations in his professional activity. AI -2 GPC -1 He is able to present professional information in the process of intercultural interaction, observing the principles of ethics and deontology.	Fundamentals of medical ethics and Deontology	Apply ethical and deontological principles in professional activities	Ethical and deontological aspects of medical activity.
2.	GPC -4	GPC - 4 Able to use medical devices provided for in the procedure for	Diagnosis and differential diagnosis of infectious diseases in the practice of a primary care physician.	AI -1 GPC -4 Can make a plan for laboratory and instrumental diagnostics	The clinical picture, features of the course and possible	To determine the main pathological conditions,	Methods of diagnosis and treatment.

		providing medical care, as well as to conduct examinations of the patient in order to establish a diagnosis	Food toxicoinfections bacterial of unspecified etiology, shigellosis, salmonellosis, typhoid paratyphoid diseases, cholera, yersiniosis. Viral hepatitis. ARVI-influenza, parainfluenza, adenovirus infection, rhinovirus infection. Meningococcal infection. Diphtheria. Infectious mononucleosis. GLPS Borreliosis Erysipelas Malaria Giardiasis	AI -2 GPC -4 Owns the algorithm of clinical examination of the patient AI -3 GPC -4 Has an algorithm for the use of medical devices provided for in the procedure for providing medical care	complications; methods of clinical, laboratory and instrumental examination of patients; means and methods of disinfection; clinical and pharmacological characteristics of the main groups of drugs; route of administration, regimen and dose of drugs.	symptoms and syndromes of the disease in patients, to justify the diagnosis, to assess the severity of the patient's condition; to make a diagnosis reflecting the etiology, course, nature and degree of functional impairment; Outline the scope of additional studies to clarify the diagnosis; interpret the data of laboratory and special examination methods, prescribe treatment and evaluate its results.	
3.	GPC- 5	GPC -5 It is able to assess	Diagnosis and differential diagnosis of infectious	AI -1 GPC -5 Master of the algorithm	The main pathological	Collect complaints,	Methods of diagnosis of an

		<p>morphofunctional, physiological states and pathological processes in the human body to solve professional problems.</p>	<p>diseases in the practice of a primary care physician. Food toxicoinfections bacterial of unspecified etiology, shigellosis, salmonellosis, typhoid paratyphoid diseases, cholera, yersiniosis. Viral hepatitis. ARVI-influenza, parainfluenza, adenovirus infection, rhinovirus infection. Meningococcal infection. Diphtheria. Infectious mononucleosis. GLPS Borreliosis Erysipelas Malaria</p>	<p>of clinical, laboratory and functional diagnostics in solving professional problems. AI -2 GPC -5 Evaluates the results of clinical, laboratory and functional diagnostics when solving professional tasks. AI -3 GPC -5 Determines the morphofunctional, physiological states and pathological processes of the human body.</p>	<p>symptoms and syndromes of infectious diseases; Methods of clinical, laboratory and instrumental examination of an infectious patient.</p>	<p>anamnesis of the disease, purposefully study the epidemiological history, examine the patient, identify the main syndromes of the disease, justify the diagnosis, assess the severity of the patient's condition, interpret the data of laboratory and special examination methods.</p>	<p>infectious patient..</p>
4.	GPC- 7	<p>GPC 7 Able to prescribe treatment and monitor its effectiveness and safety</p>	<p>Diagnosis and differential diagnosis of infectious diseases in the practice of a primary care physician. Food toxicoinfections bacterial of unspecified etiology, shigellosis, salmonellosis, typhoid paratyphoid diseases, cholera, yersiniosis. Viral hepatitis. ARVI-influenza, parainfluenza, adenovirus</p>	<p>AI -1 GPC -7 Conducts effective, safe therapy based on the clinical recommendations of the Ministry of Health of the Russian Federation</p>	<p>Clinical and pharmacological characteristics of the main groups of drugs ; route of administration, regimen and dose of drugs.</p>	<p>Assess the severity of the patient's condition, interpret the data of laboratory and special examination methods, prescribe treatment and evaluate its results.</p>	<p>Methods of treatment; determine the method of administration, regimen and dose of drugs</p>

			infection, rhinovirus infection. Meningococcal infection. Diphtheria. Infectious mononucleosis. GLPS Borreliosis Erysipelas Malaria Giardiasis				
5.	PC -2	Conducting an examination of the patient in order to establish a diagnosis	Food toxicoinfections bacterial of unspecified etiology, shigellosis, salmonellosis, typhoid paratyphoid diseases, cholera, yersiniosis. Viral hepatitis. ARVI-influenza, parainfluenza, adenovirus infection, rhinovirus infection, MS. Meningococcal infection. Diphtheria. Infectious mononucleosis. GLPS Borreliosis Erysipelas Malaria Giardiasis	AI-1 PC -2 Collects complaints, anamnesis of the patient's life and illness, and analyzes the information received AI -2 PC -2 Perform a complete physical examination of the patient (examination, palpation, percussion, auscultation) and interpret its results AI -3 PC -2 Justifies the necessity and scope of laboratory examination of the patient AI -4 PC -2 Justifies the necessity and scope of instrumental examination of the patient AI -8 PC -2 Interprets the data obtained during the laboratory examination of	The main pathological symptoms and syndromes of infectious diseases;	Collect complaints, anamnesis of the disease, purposefully study the epidemiological history, examine the patient, identify the main syndromes of the disease, justify the diagnosis.	Methods of diagnosis of an infectious patient..

				the patient AI -9 PC -2 Interprets data obtained during a laboratory examination of the patient			
6.	PC -3	Prescribing treatment and monitoring its effectiveness and safety	Food toxicoinfections bacterial of unspecified etiology, shigellosis, salmonellosis, typhoid paratyphoid diseases, cholera, yersiniosis. Viral hepatitis. ARVI-influenza, parainfluenza, adenovirus infection, rhinovirus infection. Meningococcal infection. Diphtheria. Infectious mononucleosis. GLPS Borreliosis Erysipelas Malaria Giardiasis	AI -1 PC -3 Draws up a treatment plan for the disease and the patient's condition, taking into account the diagnosis, the patient's age, the clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care AI -2 PC -3 Prescribes medicines, medical devices and medical nutrition, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care	Clinical and pharmacological characteristics of the main groups of drugs ;route of administration, regimen and dose of drugs.	Assess the severity of the patient's condition, interpret the data of laboratory and special examination methods, prescribe treatment and evaluate its results.	Methods of treatment; determine the method of administration, regimen and dose of drugs

3. Place of educational practice in the structure of the educational program

The program of training practice "Infectious diseases in the practice of a primary health care doctor" belongs to the mandatory part of Block 2 of the Federal State Educational Standard for the specialty 31.05.01 Medical Care.

4. Amount of training practice

№ № p/p	Type of work	Total credits	Total hours	Semesters		
				№ 12		
				hours		
1	2	3	4	5		
1	Contact work of students with the teacher (total), including:					
2	Lectures					
3	Clinical practical exercises		24		24	
4	Seminars					
5	Laboratory work					
6	Independent work of the student		12		12	
7	TOTAL: Total labor intensity	hours		36	36	
		3ET	1	1	1	
8	Type of intermediate certification	test				
		module exam				

5. Module Content

№/p	№ semester	Name of the module topic (section)	Types of educational activities (in hours)					Forms of ongoing monitoring of academic performance
			L	JP	ПЗ	CPC	in total	
1	2	3	4	5	6	7	8	9
1	12	<p>Bacterial infections Diagnosis and differential diagnosis of infectious diseases in the practice of a primary care physician.</p> <p>Food toxicoinfections are bacterial of unspecified etiology. Shigellosis. Salmonellosis. Typhoid-paratyphoid diseases. Cholera. Yersiniosis. Meningococcal infection. Diphtheria. Erysipelas. Borreliosis.</p>			10	6	16	TK, C3, BCP, YO

2	12	Viral infections Viral hepatitis. ARVI-influenza, parainfluenza, adenovirus infection, rhinovirus infection. Infectious mononucleosis. GLPS.			8	4	12	TK, C3, BCP, YO
3	12	Protozoal infections Malaria Giardiasis			6	2	8	TK, C3, BCP, YO
4	12	Module						TK, C3
TOTAL:					24	12	36	

Note: TC - test control, St – situational tasks, Oi – oral interview, EIW – extracurricular independent work

6. The list of educational and methodological support for independent work of students in educational practice

№/p	№ semester	Name of the educational and methodological development
1	12	Otaraeva B. I. Diphtheria. Vladikavkaz, 2020
2		Otaraeva B. I. Tifo-paratyphoid disease. Vladikavkaz, 2020
3		Otaraeva B.I. Yersiniosis. Vladikavkaz, 2020
4		Otaraeva B. I. meningococcal disease. Vladikavkaz, 2020
5		Otaraeva B. I. Bacterial dysentery. Vladikavkaz, 2020
6		Otaraeva B.I. Food toxicoinfections. Vladikavkaz, 2020
7		Otaraeva B. I. Erysipelas. Vladikavkaz, 2020
8		Gurieva, S. Z., J. G. Plieva Otaraeva B. I. Differential diagnosis of diarrheal syndrome. Vladikavkaz, 2020
9		Otaraeva B.I. Salmonellosis. Vladikavkaz, 2020
10		Gipaeva G.A., Otaraeva B.I., Gurieva Z.S., Plieva Zh.G., Dzgoev A.M. Cholera. Vladikavkaz, 2020
11		Otaraeva B.I., Plieva Zh.G., Gipaeva G.A., Gurieva Z.S., Dzgoev A.M. Amoebiasis. Vladikavkaz, 2020
12		Otaraeva B.I. Botulism. Vladikavkaz, 2020
13		Otaraeva B.I., Plieva Zh.G. Infectious mononucleosis. Vladikavkaz. 2020
14		Otaraeva B.I. Influenza and other acute respiratory viral infections. Vladikavkaz, 2020
15		Otaraeva B.I. Viral hepatitis B, C, D. Vladikavkaz, 2020
16		Otaraeva B.I., Dzgoev A.M. Malaria. Vladikavkaz, 2020
17		Otaraeva B.I. Hemorrhagic fever with renal syndrome. Vladikavkaz, 2020
18		Otaraeva B. I., Plieva Zh. G., Gipaeva G. A., Gurieva Z. S., Dzgoev A.M. Collection of situational problems on infectious diseases. Vladikavkaz, 2020
19		Otaraeva B.I., Plieva Zh.G., Gurieva Z.S., Gipaeva G.A., Dzgoev A.M. Differential diagnosis of some infectious diseases occurring with elements of a rash. Vladikavkaz, 2020
20		Otaraeva B.I., Gurieva Z.S., Plieva Zh.G. Practical skills for mastering the discipline of infectious diseases. Vladikavkaz, 2020
21		Otaraeva B.I. Test tasks for current and intermediate control. Vladikavkaz,

		2020
22		Otarava B.I. Gipaeva G.A., Plieva Zh.G., Dzgoev A.M. Methodical recommendations for the implementation of extracurricular independent work of students for practical classes on infectious diseases for the medical faculty. Vladikavkaz, 2020
23	12	Otarava B.I., Plieva Zh.G., Gurieva Z.S., Gipaeva G.A. Classification of major infectious diseases with examples of diagnosis formulations. Vladikavkaz, 2022

7. Evaluation materials for conducting intermediate certification of students in educational practice

№/p	List of competencies	№ semester	Indicator(s) ratings	Evaluation criterion(s)	Rating scale	Name EM
1	2	3	4	5	6	7
1	GPC -1 GPC -4 GPC -5 GPC -7 PC -2 PC -3	12	see the standard for assessing the quality of education. Order of the Federal State Budgetary Educational Institution of the Ministry of Health of the Russian Federation No. 264/0 of 10.07.2018	see the standard for evaluating the quality of education. Order of the Federal State Budgetary Educational Institution of the Ministry of Health of the Russian Federation No. 264/0 of 10.07.2018.	see the standard for assessing the quality of education. Order of the Federal State Budgetary Educational Institution of the Ministry of Health of the Russian Federation No. 264/0 of 10.07.2018	Test tasks; Situational tasks

8. The list of basic and additional educational literature necessary for the development of the educational practice

№ п/п	Наименование	Автор (ы)	Год, место издания	Кол-во экземпляров		Наименование ЭБС/ссылка ЭБС
				в библиотеке	на кафедре	
1	2	3	4	5	6	7
Основная литература						
1.	Инфекционные болезни и эпидемиология: учебник.	Покровский В.И., Пак С.Г., Брико Н.И., Данилкин Б.К.	М.: ГЭОТАР-Медиа, 2008.	98	-	
2.	Инфекционные болезни и	Покровский В.И., Пак	М.: ГЭОТАР-Медиа, 2012	101	-	

	эпидемиология: учебник.	С.Г., Брико Н.И., Данилкин Б.К.				
3.	Инфекционные болезни и эпидемиология: учебник.	Покровский В.И., Пак С.Г., Брико Н.И., Данилкин Б.К.	М.: ГЭОТАР-Медиа, 2016			«Консультант студента» http://www.studmedlib.ru/book/ISBN9785970438220.html
4.	Инфекционные болезни: учебник	Под ред Н.Д.Ющук	М.: ГЭОТАР-Медиа, 2016.	20	-	
Дополнительная литература						
5.	Лекции по инфекционным болезням в 2-х т.	Ющук Н.Д., Венгеров Ю.Я.	М.: ГЭОТАР-Медиа, 2016.	Т.1 – 4 Т.2 - 4	-	
6.	Лекции по инфекционным болезням.	Ющук Н.Д., Венгеров Ю.Я.	М., Медицина, 2007.	7	-	
7.	Инфекционные болезни и эпидемиология. Контрольные тестовые задания для самоподготовки.	Покровский В.И. и др.	М.: ГЭОТАР-МЕД, 2003	26	-	
8.	Лечение инфекционных больных.	Лобзин Ю.В., Финогеев Ю.П., Новицкий, С.Н.	СПб., Фолиант 2003	37	-	
9.	Инфекционные болезни: национальное руководство	Ред. Ющук Н.Д.	М.: ГЭОТАР-Медиа, 2010	2	-	
10.	Инфекционные болезни	Ющук Н.Д., Венгеров Ю.Я.	М.: Медицина, 2003	30	-	
11.	Бруцеллез	Отараева Б.И.	Владикавказ, 2010	10	-	
12.	Ботулизм	Отараева Б.И., Бутаев Т.М.,	Владикавказ, 2008	13	-	

		Отараева Н.И.				
13.	Грипп и другие ОРВИ	Отараева Б.И.	Владикавказ, 2008	50	-	
14.	Атлас инфекционны х болезней	ред. В.И. Лучшева	М.:ГЭОТАР- Медиа,2014	5	-	«Консультант студента» http://www.studmedlib.ru/book/ISBN9785970428771.html
15.	Вирусные гепатиты: клиника, диагностика, лечение	Н.Д.Ющук и др.	М.:ГЭОТАР- Медиа, 2014			
16.	Инфекционные и паразитарные болезни развивающихся стран: учебник для вузов	ред. Н.В.Чебышев	М.: ГЭОТАР- Медиа, 2008			«Консультант студента» http://www.studmedlib.ru/book/ISBN9785970406359.htm

9.The list of resources of the information and telecommunications network "Internet", necessary for the development of the educational practice

1. Infectious diseases On-line version of the journal <http://www.phdynasty.ru>.
2. Electronic library of Medical literature (www.medlib.ws)

10.Methodological guidelines for students on the development of the educational practice

The training consists of contact work (24 hours), including a lecture course and practical exercises, and independent work (12 hours). The main study time is allocated for practical work on infectology at the patient's bedside.

When studying an academic discipline, it is necessary to use laboratory diagnostics and master practical skills:

- determine the status of the patient: collect anamnesis, conduct a survey of the patient and / or his relatives, conduct a physical examination of the patient (examination, palpation, auscultation, measurement of blood pressure, determination of the properties of the arterial pulse, etc.);

- evaluate the patient's condition to make a decision about the need for medical care;- conduct an initial examination of systems and organs:

- make a preliminary diagnosis-synthesize information about the patient in order to determine the pathology and the causes that cause it;

- plan the scope of additional studies in accordance with the prognosis of the disease, to clarify the diagnosis and obtain a reliable result;

- formulate a clinical diagnosis;

- develop a plan of therapeutic actions, taking into account the course of the disease and its treatment;

- to formulate indications for the chosen method of treatment, taking into account etiotropic and pathogenetic agents, to justify pharmacotherapy in a particular patient with the main pathological syndromes and emergency conditions, to determine the route of administration, the regimen and dose of drugs, to evaluate the effectiveness and safety of the treatment;

- use different methods of drug administration.

Practical classes are conducted in the form of answers to test tasks, oral interviews, solving situational problems, analyzing clinical patients, analyzing laboratory studies, and using visual aids.

In accordance with the requirements of the State Educational System, active and interactive forms of conducting classes are widely used in the educational process: situational role-playing games. The share of classes conducted in interactive forms is at least 19% of the classroom classes.

Independent work of students involves preparing for a practical lesson and includes performing extracurricular independent work, solving situational tasks for self-control, working at the bedside.

Each student is provided with access to the library collections of the Academy and the department.

11. List of information technologies used in the implementation of the educational process in the educational practice

Semester	Type of occupation L, PR, S,	Educational technologies used (active, interactive)	Number of hours	% of classes in interactive form	List of software
12	PZ	A set of test tasks for ongoing monitoring and for modular classes, a set of situational tasks, a set of results of laboratory and instrumental diagnostic methods	24	10	Microsoft Office
12	WITH	Questions and tasks for independent work	12		Microsoft Office Internet Explorer

12. Description of the material and technical base necessary for the implementation of the educational process in the educational practice

№ p/p	Name of the equipment	Quantity	Technical condition
1	2	3	4
Special equipment			
1.	Computer	3	Fulfill.
2.	A laptop	2	Fulfill.
3.	Projector	1	Fulfill.
4.	Copy equipment	2	Fulfill.

13. Conducting educational activities using e-learning and distance learning technologies

In the context of the introduction of restrictive measures (quarantine) associated with an unfavorable epidemiological situation, the threat of the spread of a new coronavirus infection and other force majeure events that do not allow for full-time training, it is possible to study this educational practice or part of it with the use of e-learning and distance educational technologies.

Teaching the educational practice in the above situations will be carried out through the development of an electronic course with access to video lectures and interactive course materials: presentations, articles, additional materials, tests and various tasks. When conducting training sessions, current performance monitoring, as well as intermediate certification of students, the platforms of the electronic information and educational environment of the academy and/or other e-learning systems recommended for use in the academy, such as Moodle, Zoom, Webinar, etc., can be used.

Lectures can be presented in the form of audio, video files, "live lectures", etc.

Seminars and practical classes can be held on-line in both synchronous and asynchronous mode. Seminars can be held in the form of web conferences.