

№ЛД-21 ИИ

**Federal State Budgetary Educational Institution of Higher Education
«North-Ossetia State Medical Academy»
of the Ministry of Healthcare of the Russian Federation**

APPROVED

Rector of FSBEI HE NOSMA MON Russia

April 17, 2024

**EDUCATIONAL TRAINING PROGRAM OF DISCIPLINE
"PHTHISIATRIA"**

the main professional educational program of higher education - specialty program in the
specialty 31.05.01 General Medicine, approved in April 17, 2024

Form of education Full-time

The period of development 6

Department of phthiziopulmonology

Vladikavkaz, 2024

When developing the work program of the discipline, the basis is based on:

1. Federal State Educational Standard of Higher Education in the specialty 31.05.01 General medicine, approved by the Ministry of Education and Science of the Russian Federation on August 12, 2020 No. 988.

2. Curricula of OPOP VO in the specialty 31.05.01 General Medicine,

ЛД-21-01-21ИИ

ЛД-21-02-22ИИ,

ЛД-21-03-23ИИ

ЛД-21-04-24ИИ

approved by the Scientific Council of the Federal State Budgetary Educational Institution of Higher Education «North-Ossetia State Medical Academy» of the Ministry of Healthcare of the Russian Federation april 17, 2024 , Protocol № 6.

The work program of the discipline was approved at a meeting of the Department of Phthiisopulmology on april «01», 2024, protocol No. 8

The educational training program of the discipline was approved at a meeting of the central coordinating training and methodological council from "02" april 2024, Protocol №. 4

The educational training program of the discipline was approved by the Scientific Council of the State Medical University of the Federal State Budgetary Educational Institution of Higher Education «North-Ossetia State Medical Academy» of the Ministry of Healthcare of the Russian Federation from “17” april 2024, Protocol № 6.

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Content of the work program

1. name of the discipline;
2. a list of planned learning outcomes in the discipline, correlated with the planned results of mastering the educational program;
3. an indication of the place of discipline in the structure of the educational program;
4. the amount of discipline 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 the discipline, structured by topics (sections) with an indication of the number of academic or astronomical hours allocated for them and types of training;
6. a list of educational and methodological support for independent work of students in the discipline;
7. assessment materials for conducting intermediate certification of students in the discipline;
8. a list of basic and additional educational literature necessary for mastering the discipline;
9. a list of resources of the information and telecommunication network "Internet" (hereinafter - the "Internet" network), necessary for mastering the discipline;
10. methodological instructions for students on the development of the discipline;
11. a list of information technologies used in the implementation of the educational process in the discipline, 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 in the discipline.
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.

No. of p / p	Number / Index competence	Content competence (or part of it)	Lesson topic (section)	Indicators achievements competencies	Development results		
					know	be able to	own
1	2	3	4	5	6	7	8
1	OPK-1	Able to implement moral and legal norms, ethical and deontological principles in professional activities .	1. Theoretical foundations of phthisiology. 2. Methods for the diagnosis of tuberculosis. 3. Tuberculosis of the respiratory system in adults. 4. Tuberculosis in combination with other diseases. 4. Treatment tuberculosis patients 5. The main organizations of anti-tuberculosis care. 6. Extrapulmonary tuberculosis	ID-2 OPK-1 Expresses professional information in the process of intercultural interaction, observing the principles of ethics and deontology	1. Ethical and deontology - meteorological features medical activity of STI in phthisiology, the necessity to work with patients tuberculosis and their relative and E;	1. When you change the ethical and deontology principles in professional figure v Nosta	1. Ethical - young lion and the young lion and the logical deontology - with patients - mi physicians - chebnoy figure - Nosta.

2	OPK-4	Ability to use medical devices provided for by the procedure for the provision of medical care, as well as to conduct patient examinations in order to establish a diagnosis	<ol style="list-style-type: none"> 1. Theoretical foundations of physiology. 2. Methods for the diagnosis of tuberculosis. 3. Tuberculosis of the respiratory system in adults. 4. Tuberculosis in combination with other diseases. 4. Treatment tuberculosis patients 5. The main organizations of anti-tuberculosis care. 6. Extrapulmonary tuberculosis 	<p>ID-1 OPK-4 Can draw up a plan for laboratory and instrumental diagnostics ID-2 OPK-4. Owns the algorithm for the clinical examination of the patient.</p> <p>ID-3 OPK-4 Owns the algorithm for the use of medical devices, provided for by the procedure for the provision of medical care.</p>	<ol style="list-style-type: none"> 1. Methods early and timely detection of tuberculosis in children, according to Dr. shoots adults. 2. Composition and properties of tubercles and on. 3. Preparation of sample and Vi staging technique called the 2-PPD reaction Criteria for evaluation sample Vi n that 2mE with PPD-L. 	<ol style="list-style-type: none"> 1. Obnaruzhit, evaluate and describe the state of logical changes, detectable radiation methods studies in patients with TB epidemics. 2. Identify the indications and evaluate the result of skin-allergenic reaction Mantoux test with 2 TE PPD-L. 3. Determine indications and contraindications and preparation to conduct anti-tubercles of Noah vaccination and reaction to tubercles. 4. Reaction for graft ReA to reaction with intra-dermal administration vaks and us BCG. 5. Determine indications for chemotherapy-proph and ki tubercles is, for 	<ol style="list-style-type: none"> 1. Interpret the result of the reaction to the Mantoux test with 2 TE PPD-L. 2. Possibility to evaluate Flur on gram mass during the study we e Lenia.
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						6. Organize the work of honey. person a la in the focus of t in a berculous infection.	
3	OPK-5	Able to assess morphofunctional, physiological states and pathological processes in the human body to solve professional problems.	<ol style="list-style-type: none"> 1. Theoretical foundations of phthiology. 2. Methods for the diagnosis of tuberculosis. 3. Tuberculosis of the respiratory system in adults. 4. Tuberculosis in combination with other diseases. 4. Treatment tuberculosis patients 5. The main organizations of anti-tuberculosis care. 6. Extrapulmonary tuberculosis 	<p>ID-1 OPK-5 Owns the algorithm of clinical, laboratory and functional diagnostics in solving professional problems.</p> <p>ID-2 OPK-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional problems.</p> <p>ID-3 OPK-5 Determines morphofunctional, physiological states and pathological processes of the human body</p>	<ol style="list-style-type: none"> 1. On the Soba district Nos ta anamnesis, physical and on - following the pain - GOVERNMENTA L t have TB epidemics 2. Clinical manifestations in Lenia oc - novnyh comprising - Nij threatening w boiling life of the patient tubercles e Zoom 3. The indications for hospitalization of patients with T from Burke - lezom 4. clinical rentgenol of giche - skie and laboratories - nye proya in Lenia at different localizations specific to go pro - 	<ol style="list-style-type: none"> 1. And nterpr e tyros ine - Vat data cus - nical, X-ray - nologich e Sgiach, la - boratoryh ICs - investigations pain - GOVERNMENTA L t have TB epidemics and diagnose Various hours nye Loka - tion of t in Burke - useful to the process 2. be able est e thread severity of the patient's condition so in Burke - lezom, apply the necessary IU - ry for in s management of patients with this condition , I Niya, determined - to divide the volume and the subsequent and Tel - 	<ol style="list-style-type: none"> 1 H avykami etc. of drive Kli - nical obsl - dovanie 2. skills opr e division needs and Mosti methods and with follows - Research (Labora - Thorn of x - technologically, l y chevyh, function - tsional s GOVERNMENTAL). 3. skills def ie dividing by - Kazan to Our Lady - Talizi ation and op ganizovat it. 4. Nav 's kami of radiation biome - Therians for tank-teriol about cal th and cytological about giche - Skogen Explore - Bani. 5. objectified e leniem and the differential Mr. Qi - ings in the Paci - ENTOV pathologists - Cesky comprising - Nia, symptoms, si n Drôme slaughtering - Levanov, similar to tuberculosis Lego h Noah and extra-pulmonary Loka - tion of, nozolo - cal forms with a responsible with

					<p>cession</p> <p>5. pathological with a standing, Symp - toms, syndromes ill and Nij, convergence - zhih with tubercles - Zoom and pulmonary vnel e of pulmonary lo - localization of, nozo - logical forms in accordance with the International Art and statistically classification used for Leznov</p>	<p>Nosta therapeutic measures on enterpri ses; Neot conduct - false and Rean - mation Mero - acceptance.</p> <p>3. To be able to carry out diff e differentials - hydrochloric diagnosis of infection N hydrochl oric and pos t vaccinations allergy.</p> <p>4. be able to hold diff e differentials - hydrochloric diagnose TB Drew - gimi of a bolevani - yami.</p>	<p>Int in folk statistician and cal classification used for Leznov 7. assessment skills tsitologich e skoe and tank - teriol of logical research mo to the company.</p>
4.	OPK-7	Able to prescribe treatment and monitor its effectiveness and safety.	<p>1. Theoretical foundations of phthisiology.</p> <p>2. Methods for the diagnosis of tuberculosis.</p> <p>3. Tuberculosis of the respiratory system in adults.</p> <p>4. Tuberculosis in combination</p>	ID-1 OPK-7 Provides effective, safe therapy based on the clinical recommendations of the Ministry of Health of Russia .	<p>Methods of treatment of patients tuba p kulezom. mec hanism of action of basic groups L e karstven-tion preparations. M e dit sinskie indications and protivop about Kaza n applied to their e NIJ; complications caused their</p>	<p>Create a plan of inspection and treatment of RA of personal forms of tuberculosis. Specify a Vat indications fav Mr. Nome treatments based etiotropic and patogenet and iCal means to determine the path is</p>	<p>Drafting alg of rhythm are examined to vaniyu and determines f NIJ administration tactics n and cients tube with different patterns of p kuleza.</p>

			with other diseases. 4. Treatment tuberculosis patients 5. The main organizations of anti-tuberculosis care. 6. Extrapulmonary tuberculosis		used e Niemi.	typed e Nia, mode and dose lek p - governmental agents.	
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3. Mesto discipline educational program structure

The discipline "Phthysiology" belongs to the compulsory part of Block 1 of the Federal State Educational Standard of Higher Education in the specialty 31.05.01 " General Medicine".

4. The scope of the discipline.

No. No. p / p	Type of work	Total h and ev en units	Total hours	Semesters
				11
				hours
1	2	3	4	5
1	Contact work teach schihsya with having taught Atelier (total), including:	-	70	70
2	Lectures (L)	-	10	10
3	Clinical Practices (CL)	-	60	60
4	Seminars (C)	-	-	-
5	Laboratory work (LR)	-	-	-
6	Student independent work (SR)	-	38	38
7	Intermediate type appraisals	credit (C)		
		exam (E)	-	36
8	TOTAL: General labor intensity	hours	144	144
		ZET	4 ZET	4

5. obsession discipline

No./n	Semester number	Name of the topic (section) of the discipline	Types of educational activities (in hours)					Forms of monitoring of progress
			L	LR	PZ	CPC	Total	
1	2	3	4	5	6	7	8	9
1.	11	Section 1: Theoretical foundations of phthysiology.	4		5	5	14	C, T3, C3
2.	11	Section 2: Methods for the diagnosis of tuberculosis.	2		5	5	12	C, T3, C3
3.	11	Section 3: Respiratory Tuberculosis in Adults.	4		10	5	19	C, T3, C3
4.	11	Section 4: Tuberculosis in combination with other diseases.	2		10	5	17	C, T3, C3
5	11	Section 5: Treatment patients with tuberculosis.	2		10	4	16	C, T3, C3

6	11	Section 6: The main organizations of tuberculosis care.	2		10	4	16	C, T3, C3
7.	11	Section 7: Extrapulmonary Tuberculosis	2		10	2	14	C, T3, C3
8.	11	Intermediate type appraisals					36	Exam
TOTAL:			18		60	30	144	

Note: S - interview, TK - test tasks, SZ - situational tasks.

4. The list of educational and methodological support for independent work of students in the discipline.

5.

No./n	Semester number	Name of educational and methodological development
1.	11	Methodological development of practical classes in the discipline "Phthiology" for foreign students of the 6th year of the Faculty of Medicine (in English). Vladikavkaz 2023
2.	11	Workbook on phthiology in English for foreign students studying in the 6th year of the Faculty of Medicine. Tutorial. O.Z. Basieva. Vladikavkaz 2023

7. Assessment materials for intermediate certification of students in the discipline.

No./n	List of competencies	No. semes t ra	Indicator (s) evaluating	Criterion (and) evaluation	Grading scale	Name AM
1	2	3	4	5	6	7
1	OPK-1 OPK-4 OPK-5 OPK-7	11	see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education of the SOGMA of the Ministry of Health of Russia dated July 10,	see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education of the SOGMA of the Ministry of Health of Russia dated July 10,	see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education of the SOGMA of the Ministry of Health of Russia dated July 10,	Exam b ilet for the exam; test tasks; situational tasks.

			2018, No. 264 / о	2018, No. 264 / о	2018, No. 264 / о	
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8. Перечень основной и дополнительной учебной литературы, необходимой для освоения дисциплины.

№ / п	Наименование	Автор (ы)	Год, место издания	Кол-во экземпляров		Наименование ЭБС
				в библиотек	на кафедре	ссылка в ЭБС
1	2	3	4	5	6	7
Основная литература						
1.	Фтизиатрия: учебник.	Перельман М.И., Корякин В.А., Богадельникова И.В.	М.: «ГЭОТАР-Медиа» - 2007.	70		«Консультант студента» http://www.studmedlib.ru/ru/book/ISBN9785970433188.html .
2.	Фтизиопульмонология: учебник.	Мишин В.Ю., и др.	М.: «ГЭОТАР-Медиа» - 2007.	5		«Консультант студента» http://www.studmedlib.ru/ru/book/ISBN9785970414392.html .
3.	Туберкулез: учеб. пособие.	Кошечкин В.А., Иванова З.А	М.: «ГЭОТАР-Медиа» - 2007.	6		«Консультант студента» http://www.studmedlib.ru/ru/book/ISBN9785970405956.html .
Дополнительная литература						
1	Туберкулёз у детей и подростков: учеб. пособие.	ред. В.А. Аксенова	М.: «ГЭОТАР-Медиа» - 2007.	7		
2	Туберкулинодиагностика.	Мишин В.Ю.	М.: «ГЭОТАР-Медиа» - 2013.	1		«Консультант студента» http://www.studmedlib.ru/ru/book/ISBN9785970423387.html .
3	Туберкулез у	ред. Л. Б. Худзик	М.:	2		

	детей и подростков.		Медицина 2004.			
4	Туберкулез легких с ЛУ возбудителя.	Мишин В.Ю.	М.: «ГЭОТАР-Медиа» - 2009.	3		«Консультант студента» http://www.studmedlib.ru/ru/book/ISBN9785970411667.html
5	Рентгенодиагностика туберкулезных легких.	Помельцов К. В.	М.: Медицина 1965.	5		
6	Туберкулез органов дыхания у взрослых; учеб. пособие.	Рабухин А.Е.	М.: Медицина 1976.	100		



9. The list of resources of the information and telecommunication network "Internet" necessary for mastering the discipline.

www.studmedlib.ru - electronic library of a medical university "Student's Consultant".

www.elibrary.ru - scientific electronic library, search is carried out according to the thematic section.

www.ifapcom.ru

www.rucont.ru

www.gpntb.ru

www.rof.ru

www.whodc.com

10. Methodical instructions for students on the development of the discipline.

Обучение состоит из контактной операции (70 часов) comprising lecture course (10 hours) and exercises (60 hours), and independent operation (38 hours). The main study time is allocated for practical work on the study of signs characteristic of a particular pathological process in order to make a diagnosis, develop an examination plan and determine further treatment tactics.

When studying the discipline, it is necessary to use the main and additional recommended literature and master practical skills in radiation, laboratory and clinical diagnosis of pathological processes in phthisiology.

Practical exercises are conducted in the form of answers to tests, oral questioning, demonstration of radiographs, attendance at meetings of the central medical commissions of

a phthisiatric profile, use of visual aids, solving situational problems, analysis of the protocol parts of forensic medical documentation.

In accordance with the requirements of the Federal State Educational Standard of Higher Education, active and interactive forms of conducting classes (videos, situational tasks, independent extracurricular work) are widely used in the educational process. The proportion of classes conducted in interactive forms is at least 20 % of classroom lessons.

Independent work of students implies the preparation of the formation of a systematic approach to the analysis of medical information, includes the study of additional literature, work with medical documentation, writing protocols for the initial examination of the corpse at the place of its discovery.

Work with educational literature is considered as a type of educational work in the discipline of forensic medicine and is performed within the hours allotted for its study (in the section of the CDS).

Each student is provided with access to the library funds of the academy and department. During the study of the discipline, students independently study sets of radiographs

Student working in a group fo rmiruet sense of teamwork sociable - Nosta.

11. The list of information technologies used in the implementation of the educational process in the discipline .

The educational technologies used in the study of this discipline make up about 20 % of interactive lessons from the volume of practical lessons.

Types of educational technologies:

- imitation:

a) non-game simulation technology: contextual learning

b) game simulation technologies: role -playing business games

- non - imitation technologies: problem lecture, lecture - conversation

Contextual learning is carried out throughout the entire period of teaching the discipline, especially during the IWS under the supervision of the teacher - knowledge, skills, skills are given not as a subject for memorization, but as a means of solving professional problems.

12. Description of the material and technical base required for the implementation of the educational process in the discipline.

As a material and technical base, the Department of Phthisiopulmonology is carried out on the basis of GBUZ RKTsFP MH RNO-ALANIA.

No.	Name of equipment	amount	Technical state - yanie
1	2	3	four
Special equipment			
1.	Multimedia Installation: Lenovo IdePad B 5070 laptop Viewsonic PRO 8500 multimedia projector	1	In working order
2.	Negatoscope	1	In working order

3.	A set of MM presentations for all sections	6	Satisfactory / working
4.	Posters	4	Satisfactory / working
5.	Blackboard	1	Satisfactory / working .
6.	X-ray set	25 pcs	Satisfactory / working
Tables			
7.	Set of tables	3	Satisfactory / working
Dummies			
8.	Lungs and mediastinum	1	Satisfactory

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 full-time training, it is possible to study this discipline or part of it using e-learning and distance educational technologies.

Teaching discipline in the situations noted above, will carry camping by developing e-learning c access to video lectures and interactive course materials: presentations, articles, additional materials, and tests of various tasks. When conducting training sessions, monitoring progress, as well as intermediate certification of students, 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.

Conducting seminars and their practical training is possible in on- line mode, both in synchronous and asynchronous modes. Seminars can be held in the form of web conferences.