Ministry of Health of the Russian Federation

federal state budgetary educational institution
higher education
"North-Western State Medical University named after I.I. Mechnikov"

Ministry of Health of the Russian Federation

(Federal State Budgetary Educational Institution of Higher Education North-Western State Medical University named after I.I. Mechnikov of the Ministry of Health of the Russian Federation)

DISCIPLINE WORK PROGRAM

"History of Medicine"

Specialty: 31.05.01 General Medicine

Specialization: organization and provision of primary health care to the adult population in medical organizations

Implementation language: Russian, English

2021

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The work program of the discipline "History of Medicine" is compiled on the basis of the Federal state educational standard of higher education - specialty in the specialty 31.05.01 General Medicine, approved by order of the Ministry of Science and Higher Education of the Russian Federation dated August 12, 2020 No. 988 "On approval of the federal state educational standard of higher education - specialty in the specialty 31.05.01 General Medicine."

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The work program of the discipline was discussed at a meeting of the Department of Public Health, Economics and Health Management
April 10, 2021, Protocol No. 4

Head of the department _____ / Filatov V.N./

Approved by the Methodological Commission for the specialty 31.05.01 General Medicine
May 11, 2021

Chairman _____ / Bakulin I.G./

Reviewed by the Methodological Council and recommended for approval by the Academic Council
May 20, 2021

Chairman _____ / Artyushkin S.A. /

Date of update:

CONTENTS

1.The purpose of mastering the discipline 4
2. The place of discipline in the structure of the educational program 4
3.List of planned learning outcomes in the discipline, correlated with the planned results of mastering the educational program 4
4.Scope of discipline and types of academic work 5
5. Contents of the discipline, structured by sections (topics) indicating the number of academic hours and types of training sessions 5
6.Methodological instructions for students on mastering the discipline 10
7.Evaluation materials 10
8.List of educational literature and Internet resources necessary for mastering the discipline 10
9.List of information technologies used to master the discipline, including a list of software, professional databases and information reference systems 11
10. Logistics support for discipline 12
Appendix A 14

1. The purpose of mastering the discipline

The purpose of mastering the discipline “History of Medicine” is to deepen the level of mastery of the student’s universal and general professional competencies by studying the history, patterns and logic of the development of healing and medicine throughout the history of mankind.

2. The place of discipline in the structure of the educational program

The discipline “History of Medicine” belongs to the mandatory part of Block 1 “Disciplines (modules)” of the main professional educational program in the specialty 31.05.01 General Medicine (specialty level of education), focus: organization and provision of primary health care to the adult population in medical organizations. The discipline is mandatory to study.

3. List of planned learning outcomes in the discipline, correlated with the planned results of mastering the educational program

Code and name of competency	Code and name of the competency achievement indicator
UK-5 Able to analyze and take into account the diversity of cultures in the process of intercultural interaction	ID-1 UK-5.1. Analyzes and interprets the most important ideological and value systems in the context of world historical development
	ID-2 UK-5.2. Builds social and professional interaction taking into account intercultural characteristics
	ID-3 UK-5.3. Forms a tolerant environment of interaction when performing professional tasks
OPK-10. Able to understand the operating principles of modern information technologies and use them to solve professional problems	ID-1 OPK-10.1. Applies modern information technologies, searches for information on the Internet to solve professional problems

Competency achievement indicator code	Learning outcomes (assessment indicators)	Evaluation tools
ID-1 UK-5.1.	**knows the basics of analysis and interpretation of the main stages of human development from the point of view of the development of medicine and pediatrics, the activities of outstanding doctors** **can analyze and interpret the main stages of human development from the point of view of the development of medicine and pediatrics, the activities of outstanding doctors** **has the skill of analyzing the stages of human development from the point of view of the development of medicine and pediatrics, the activities of outstanding doctors**	- interview questions - test tasks - abstract - tasks
ID-2 UK-5.2.	**Knows:** - features of the development of healing in the countries of the Ancient World, the Middle Ages, Modern Times, the Modern Period on various continents; - experience of interaction between outstanding doctors of different cultures	- interview questions - test tasks - abstract - tasks
ID-3 UK-5.3.	**Knows the historical aspects of the interaction of medical**	- interview

	workers in various periods of human development	questions - test tasks - abstract - tasks
ID-1 OPK-10.1.	**Knows the basics of searching, processing, storing and transmitting information to solve professional problems using bibliographic resources and the Internet**	- interview questions - test tasks - abstract - tasks

4. Scope of discipline and types of academic work

Type of educational work	Labor intensity	Semester	
		1	2
Contact work between students and teachers	**48**	**24**	**24**
Classroom work:	**46**	**24**	**22**
Lectures (L)	16	8	8
Seminars (C)	30	16	14
Independent work:	**24**	**12**	**12**
during the period of theoretical training	20	12	8
preparation for the test	4		4
Intermediate assessment: test, including delivery and group consultations	**2**		**2**
Total workload: academic hours	**72**		
credit units	**2**		

5. The content of the discipline, structured by sections (topics) indicating the number of academic hours and types of training sessions

5.1.Content of discipline sections

item no.	Name of discipline section	Annotated content of the discipline section	List of competencies formed in the process of mastering the section
1	Medicine in the primitive era	History of medicine – definition, classification. Sources for studying the history of medicine, periodization. Features of the development of healing in the primitive era	UK-5, OPK-10
2	Medicine of the Ancient World	General features of the development of healing in the countries of the ancient world. The development of healing in Mesopotamia, ancient Rome, ancient China, ancient India, ancient Egypt, ancient Greece. Outstanding doctors of the ancient period.	UK-5, OPK-10
3	Medicine in the Middle Ages	Medicine in the early and middle Middle Ages, medicine in the Arab Caliphates, Western Europe, the American continent.	UK-5, OPK-10
4	Medicine in modern times	The development of medicine during the Renaissance. The influence of materialism on the	UK-5, OPK-10

		development of medicine. The influence of natural scientific discoveries on the development of science and medicine. Development of clinical medicine. Outstanding doctors of modern times.	
5	Medicine in the modern period	Development of medicine in Ancient Rus', the Moscow State, Russia in the 18th-19th-20th centuries. Outstanding figures of medicine of the 20th century. Development of medical ethics and deontology	UK-5, OPK-10

5.2.Thematic plan of lectures

item no.	Name of discipline section	Lecture topics	Active forms of learning	Labor intensity (academic hours)
1	Medicine in the primitive era	L.1. The history of medicine is both a science and a subject of teaching. Healing in pre-class society.	-	2
2	Medicine of the Ancient World	L.2. Development of medicine in the countries of the Ancient World	-	2
3	Medicine in the Middle Ages	L.3. Development of medicine in the Middle Ages	-	2
4	Medicine in modern times	L.4. Development of medicine in modern times in Western Europe	-	2
		L.5. Development of medicine in Russia in the 18th-19th centuries.	-	2
5	Medicine in the modern period	L.6. Development of medicine in Russia in the twentieth century.	-	2
6		L 7. History of North-Western State Medical University named after I. I. Mechnikov	-	2
7		L.8. History of medical ethics and deontology in the activities of doctors	-	2
			TOTAL:	16

5.3.Thematic plan for practical classes - not provided

5.4. Thematic plan of seminars

item no.	Name of discipline section	Seminar topics	Active forms of learning	Current control forms	Hard working bone (academic hours)
1	Medicine in the primitive era	C.1. The history of medicine is both a science and a subject of teaching. Healing in the	AC	Interview, abstracting, testing	4

		primitive era.			
2	Medicine of the Ancient World	P.2. Healing in the countries of the Ancient World (Egypt, India, China, Greece, Rome).	AC	Interview, abstracting, testing	4
3	Medicine in the Middle Ages	P.3. Development of medicine in the Middle Ages (V–XV centuries).	AC	Interview, abstracting, testing	4
4	Medicine in modern times	P.4. Development of medicine in modern times in Western Europe (XV – XIX centuries).	AC	Interview, abstracting, testing	4
		P.5. Development of medicine in Russia in the 18th - 19th centuries.	AC	Interview, abstracting, testing	4
5	Medicine in the modern period	P.6. The main achievements of biomedical and clinical disciplines in Russia in the twentieth century. The formation of pediatrics as a science.	AC	Interview, abstracting, testing	4
		P.7. History of medical ethics and deontology in the medical profession.	AC	Interview, abstracting, testing	4
		P.8. History of North-Western State Medical University named after I. I. Mechnikov	AC	Interview, abstracting, testing	2
				TOTAL:	30

AS - situation analysis

5.5. Thematic plan of laboratory work - not provided

5.6. Independent work:

item no.	Name of discipline section	Types of independent work	Current control forms	Labor intensity (academic hours)
1	Medicine in the primitive era	Working with lecture material, working with educational literature. Preparation of an abstract	Interview, testing	4
2	Medicine of the Ancient World	Working with lecture material, working with educational literature. Preparation of an abstract		4
3	Medicine in the Middle Ages	Working with lecture material, working with educational literature. Preparation of an abstract		4

item no.	Name of discipline section	Types of independent work	Current control forms	Labor intensity (academic hours)
4	Medicine in modern times	Working with lecture material, working with educational literature. Preparation of an abstract		4
5	Medicine in the modern period	Working with lecture material, working with educational literature. Preparation of an abstract		4
			TOTAL:	20
			Preparation for the test:	4

5.6.1. Abstract topics:

- "By shining on others, I burn myself" (about medical ethics).
- Andrew Vesalius (1514-1564) and the beginning of scientific anatomy.
- The Pharmacy Order is the first governing body of medicine.
- Bekhterev Vladimir Mikhailovich (1857-1927) - founder of the Psychoneurological Institute.
- Botkin Sergei Petrovich (1832-1889) and his school.
- Buyalsky Ilya Vasilievich (1789-1866) and his contribution to anatomy and surgery.
- Great figures of medicine of the Renaissance.
- The great physician of Ancient Rome - Galen (131-201 BC).
- The great healer Abu Ali Ibn Sina (980-1037) and his contribution to the development of clinical medicine.
- The contribution of outstanding medical scientists of the past to the development of medicine (Galen, Ibn Sina, Paracelsus, etc.).
- Humanist doctor Fyodor Petrovich Gaaz (1780-1853).
- The Second Leningrad Medical Institute during the war.
- Gamaleya Nikolai Fedorovich (1859 - 1949) - an outstanding modern microbiologist.
- Heroism and courage of Soviet doctors in the Great Patriotic War (1941-1945).

- Hippocrates (460-377 BC) - the founder of scientific medicine.
- Activities of A.P. Chekhov as a zemstvo doctor.
- Girolamo Fracastoro (1478-1553) and the doctrine of infectious diseases.
- Zakharyin Grigory Antonovich (1829-1897) - an outstanding therapist.
- The history of the fight against especially dangerous infections (smallpox, plague or cholera) or modern infectious diseases (hepatitis, AIDS, etc.).
- History of military medicine. The heroism of military doctors.
- History of the World Health Organization and its role in the modern world.
- History of a higher educational institution or faculty (or its professors, teachers and graduates) in the development of medicine.
- The history of the life and work of one of the outstanding figures in medicine (I.M. Sechenov, N.I. Pirogov, S.P. Botkin, I.P. Pavlov, other domestic and foreign scientists).
- History of dentistry and dentistry (or the contribution of outstanding scientists to their development).
- History of the microscope and microscopic research in Russia in the 18th century.
- History of pediatrics (for example, its individual areas or prominent representatives).

- History of the development of medicine and healthcare in a city, region, region (or the contribution of famous scientists, doctors, healthcare organizers).
- The history of the development of one of the areas of medicine (for example, obstetrics and gynecology, internal medicine, psychiatry, nursing, anesthesiology, certain areas of surgery, transplantology and many others).
- The history of the development of one of the medical and biological sciences (for example, anatomy, physiology, pathology, microbiology, genetics, etc. or their outstanding representatives).
- The history of the development of domestic medicine in a certain period (for example, in the Old Russian state, the Moscow state, in the era of Peter I, under Catherine II, etc.).
- On the history of the anti-plague laboratory in Fort "Alexander I" in Kronstadt.
- Konchalovsky Maxim Petrovich (1875-1942) - the founder of the Soviet school of rheumatologists.
- Lesgaft Peter Frantsevich (1837-1909) and his development of functional anatomy. Creation of the department of anatomy at our institute.
- Medicine of Pre-Columbian Civilizations of America.
- Medicine of Ancient Rome.
- Medicine of the Renaissance (one of the areas of development).
- Medical service of the Russian army in the Patriotic War of 1812
- International Red Cross: history of formation and activities.
- Ilya Ilyich Mechnikov (1845-1916) - great Russian biologist.
- N. L. Bidloo - head of the first hospital school in Russia.
- Not doctors - in medicine (one of the biographies).
- Nobel Prizes in Physiology or Medicine (the story of a discovery).
- Oppel Vladimir Andreevich (1872-1932) - an outstanding Soviet surgeon and historian of Russian surgery.
- Personal experiences of doctors (the heroism of doctors, the study of certain diseases).
- Pavlov Ivan Petrovich (1844-1936) - great physiologist of the 20th century.
- The first Russian female doctor of medicine (V. A. Kashevarova-Rudneva).
- Pirogov Nikolai Ivanovich (1810-1881) is an outstanding Russian anatomist and surgeon.
- Pirogov Society and its role in the development of public medicine and hygiene.
- The development of medicine in the Near and Middle East during the era of feudalism.
- Development of methods for examining and treating the patient (for example, thermometry, auscultation, etc., as well as modern methods - biochemical, ultrasound, CT, MRI, etc.).
- Religion and medicine (for example, in Western Europe during the classical Middle Ages, in the Byzantine Empire, the Caliphate, etc.).
- The role of the St. Petersburg Academy of Sciences and the first academicians (D. Bernoulli, L. Euler, I. Weibrecht, A.I. Protasov, V.M. Severgin) in the development of anatomy, physiology and medicinal chemistry.
- Sechenov Ivan Mikhailovich (1829-1905) is the father of Russian physiology.
- Spasokukotsky Sergei Ivanovich (1870-1943) and his surgical school.
- Formation and development of medical education in Russia (at various stages of history).
- The formation of medical education in Western Europe (history of university education).
- Nadezhda Prokofyevna Suslova (1843-1918) - the first Russian woman doctor.
- Philosophical foundations and history of healing and medicine of one of the civilizations of the Ancient World (for example, Ancient Egypt, Ancient China, Ancient

India, Ancient Greece, Ancient Rome, etc.).

- Shchepin Konstantin Ivanovich (1728-1770) - doctor of medicine of the 18th century.
- Ethical and deontological views in the works of A.P. Chekhov.

6. Guidelines for students on mastering the discipline

To effectively study sections of the history of medicine, it is necessary to independently study the educational and methodological materials posted in the sdo.szgmu.ru system, take tests on all proposed topics, actively participate in discussions on the development of the history of medicine at seminars, and, if necessary, receive advice from a teacher. To work with an abstract, it is necessary to select the necessary literature in the university library or other sources, analyze the material, highlight key concepts, the main contribution of the scientist to the development of medicine and prepare the abstract in accordance with the requirements, to defend the abstract, prepare a short report on the scientist's activities, and speak at a practical lesson. During the period of studying the discipline, it is necessary to prepare and successfully pass checkpoints in the form of an interview, testing, abstracting.

To successfully pass the intermediate assessment in the form of a test, it is necessary to study and work through all assessment tools: interview questions, a list of tasks.

7. Evaluation materials

Assessment materials for the discipline for ongoing monitoring of progress and intermediate certification of students include examples of assessment tools (Appendix A to the work program of the discipline), procedure and assessment criteria.

8. List of educational literature and Internet resources necessary for mastering the discipline

8.1. Educational literature:

1. History of medicine (short course): educational manual / V.P. Romanyuk, I.L. Samodova, G.N. Marinicheva, V.N. Filatov. - St. Petersburg: Publishing house of North-Western State Medical University named after. I.I. Mechnikova, 2019. - 104 p.
https://moodle.szgmu.ru/course/view.php?id=150&section=21
2. Sorokina T.S. History of medicine: Textbook for students. higher honey. textbook institutions / 9th ed., stereotype. (marked by the Ministry of Education of the Russian Federation). - M.: Publishing center "Academy", 2014. - 560 p. (45.5 p.l.). – 100 copies.
3. Lisitsyn Yu.P., History of medicine [Electronic resource]: textbook / Lisitsyn Yu.P. - 2nd ed., revised. and additional - M.: GEOTAR-Media, 2016. - 400 p. - ISBN 978-5-9704-3925-8 - Access mode: http://www.studmedlib.ru/book/ISBN9785970439258.html
4. Balalykin D.A., Reader on the history of medicine [Electronic resource]: textbook/ Ed. prof. YES. Balalykina - M.: Litterra, 2012. - 624 p. - ISBN 978-5-4235-0060-3 - Access mode: http://www.studmedlib.ru/book/ISBN9785423500603.html
5. The history of medicine (short course): study guide / V.P. Romanyuk, I.L. Samodova, G.N. Marinicheva, V.N. Filatov, M.N. Gogoleva, T.V. Kolomenskaya; English text by E.Yu. Lavrova. — Saint Petersburg: NWSMU n.a I.I. Mechnikov, 2024. — 96 p.-
https://sdo.szgmu.ru/pluginfile.php/922501/mod_resource/content/1/Romanyuk%20V.P.%20THE%20HISTORY%20OF%20MEDICINE%20%28SHORT%20COURSE%29%20%281%29.pdf

6. Lisitsyn, Yu. P. History of Medicine: textbook / Yu. P. Lisitsyn. - Moscow: GEOTAR-Media, 2020. - 352 p. - ISBN 978-5-9704-5445-9. - Text: electronic // EBS "Student Consultant": [website]. - URL: https://www.studentlibrary.ru/book/ISBN9785970454459.html

8.2.Resources of the Internet information and telecommunications network:

Name of Internet resource	Email address of the resource
Russian medical portal	http://www.rosmedportal.com
World Health Organization	http://www.who.int
Electronic library	http://www.e-library.ru

9. List of information technologies used to master the discipline, including a list of software, professional databases and information reference systems

9.1. List of information technologies used in the educational process:

item no.	Name of discipline section	Information technology
1	Medicine in the primitive era	placement of educational materials in the EIOS FSBEI HE North-Western State Medical University named after. I.I. Mechnikov of the Ministry of Health of the Russian Federation https://moodle.szgmu.ru/course/view.php?id=842
2	Medicine of the Ancient World	
3	Medicine in the Middle Ages	
4	Medicine in modern times	
5	Medicine in the modern period	

9.2. List of software used in the educational process (licensed and freely distributed software, including domestically produced):

item no.	Software product name	License validity period	Documents confirming right to use software products
licensed software			
1.	ESET NOD 32	1 year	Government contract № 07/2020
2.	MS Windows 8 MS Windows 8.1 MS Windows 10 MS Windows Server 2012 Datacenter - 2 Proc MS Windows Server 2012 R2 Datacenter - 2 Proc MS Windows Server 2016 Datacenter Core	Unlimited	State contract No. 30/2013-O; Government contract No. 399/2013-OA; Government contract No. 07/2017-EA.
3.	MS Office 2010 MS Office 2013	Unlimited	Government contract No. 30/2013-OA; Government contract No. 399/2013-OA.
4.	Academic LabVIEW Premium Suite (1 User)	Unlimited	Government contract № 02/2015

licensed software of domestic production			
1.	Anti-plagiarism	1 year	Government contract № 2409
2.	“WEBINAR (WEBINAR)” VERSION 3.0	1 year	Contract No. 347/2020-M
3.	"3KL e-learning environment"	1 year	Contract No. 348/2020-M
4.	TrueConf Enterprise	1 year	Contract No. 396/2020-EA
free software			
1.	Google Chrome	Unlimited	Open License Agreement GNU GeneralPublicLicense
2.	NVDA	Unlimited	Open License Agreement GNU GeneralPublicLicense
freely distributed software of domestic production			
1.	Moodle	Unlimited	Open License Agreement GNU GeneralPublicLicense

9.3. List of professional databases and information reference systems:

item no.	Name software product	License validity period	Documents confirming right to use software products	Mode access for disabled students and persons with limited health capabilities
1.	Consultant Plus	1 year	Agreement No. 655/2020-EA	-
2.	EBS “Student Consultant”	1 year	Contract No. 307/2020-EA	http://www.studmedlib.ru/
3.	EMB “Doctor Consultant”	1 year	Contract No. 281/2020-EA	http://www.rosmedlib.ru/
4.	EBS "Ibooks.ru/ibooks.ru"	1 year	Contract № 06/2020	https://ibooks.ru
5.	EBS “IPRBooks”	1 year	Contract No. 08/2020-ZK	http://www.iprbookshop.ru/special
6.	Electronic library system “Bukap”	1 year	Contract № 05/2020	https://www.books-up.ru/
7.	EBS "Lan Publishing House"	1 year	Contract No. 395/2020-EA	https://e.lanbook.com/

10. Material and technical support of discipline

Classrooms for conducting lecture-type training sessions, group and individual consultations, ongoing monitoring of progress and intermediate certification of students, St. Petersburg, Piskarevsky Prospekt, 47, lit. B (building 2\4), room. 4, 5, 7, 9, 17, 25. Federal State Budgetary Educational Institution of Higher Education North-Western State Medical University named after. I.I. Mechnikov of the Ministry of Health of the Russian Federation; equipped with equipment and technical means of training:
Equipment: board (chalk); teacher's table, student's double table;
Technical teaching aids: multimedia projector, teacher’s laptop, system unit, monitor.
Special technical training aids (specify if necessary): Roger Pen (Roger personal wireless transmitter in the form of a pen), Roger MyLink (Roger Pen system signal receiver) (for students with hearing impairments); IntelliKeys (wired keyboard with Russian Braille with a matte black finish), (St. Petersburg, Piskarevsky Prospekt, 47, lit. R (building 9), room No. 18.19, Federal State Budgetary Educational Institution of Higher Education North-Western

State Medical University named after I.I. Mechnikov of the Ministry of Health of the Russian Federation).

Classrooms for conducting seminar-type training sessions, group and individual consultations, ongoing monitoring of progress and intermediate certification of students, St. Petersburg, Piskarevsky Prospekt, 47, lit. B (building 2\4), room. 4, 5, 7, 9, 17, 25. Federal State Budgetary Educational Institution of Higher Education North-Western State Medical University named after. I.I. Mechnikov of the Ministry of Health of the Russian Federation; equipped with equipment and technical means of training:
Equipment: board (chalk); teacher's table, student's double table
Technical teaching aids: teacher's laptop.
Special technical training aids (specify if necessary): Roger Pen (Roger personal wireless transmitter in the form of a pen), Roger MyLink (Roger Pen system signal receiver) (for students with hearing impairments); IntelliKeys (wired keyboard with Russian Braille with a matte black finish), (St. Petersburg, Piskarevsky Prospekt, 47, lit. R (building 9), room No. 18.19, Federal State Budgetary Educational Institution of Higher Education North-Western State Medical University named after I.I. Mechnikov of the Ministry of Health of the Russian Federation).

Premises for independent work of students, equipped with computer equipment with the ability to connect to the Internet and provided with access to the electronic information and educational environment of the University: St. Petersburg, Piskarevsky Prospekt, 47, lit. AE (building 32),
aud. No. 1, lit. R (building 9), room. No. 18.19 FSBEI HE North-Western State Medical University named after. I.I. Mechnikov of the Russian Ministry of Health..

Appendix A

Ministry of Health of the Russian Federation

federal state budgetary educational institution
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"North-Western State Medical University
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Ministry of Health of the Russian Federation

(Federal State Budgetary Educational Institution of Higher Education North-Western State Medical University named after I.I. Mechnikov of the Ministry of Health of the Russian Federation)

EVALUATION MATERIALS

(for ongoing monitoring of progress and intermediate certification of students)

Specialty:	31.05.01 General medicine
Direction:	organization and provision of primary health care to the adult population in medical organizations
Name of discipline:	History of Medicine

St. Petersburg – 2021

1. List of planned learning outcomes in the discipline

Competency achievement indicator code	Learning outcomes (assessment indicators)	Evaluation tools
ID-1 UK-5.1.	**knows the basics of analysis and interpretation of the main stages of human development from the point of view of the development of medicine and pediatrics, the activities of outstanding doctors** **can analyze and interpret the main stages of human development from the point of view of the development of medicine and pediatrics, the activities of outstanding doctors** **has the skill of analyzing the stages of human development from the point of view of the development of medicine and pediatrics, the activities of outstanding doctors**	- interview questions - test tasks - abstract - tasks
ID-2 UK-5.2.	**Knows:** - features of the development of healing in the countries of the Ancient World, the Middle Ages, Modern Times, the Modern Period on various continents; - experience of interaction between outstanding doctors of different cultures	- interview questions - test tasks - abstract - tasks
ID-3 UK-5.3.	**Knows the historical aspects of the interaction of medical workers in various periods of human development**	- interview questions - test tasks - abstract - tasks
ID-1 OPK-10.1.	**Knows the basics of searching, processing, storing and transmitting information to solve professional problems using bibliographic resources and the Internet**	- interview questions - test tasks - abstract - tasks

2. Examples of assessment tools and assessment criteria for ongoing monitoring

2.1. Input control examples

Interview Questions

1. Define the history of medicine as a science
2. List the main periods of human development
3. Name the sources for studying the history of mankind

Evaluation criteria, grading scale pass/fail

Rating	Description
"passed"	Demonstrates a thorough understanding of the problem. All requirements for the task have been met
"not accepted"	Demonstrates a lack of understanding of the problem. Many requirements for the assignment have not been met. No answer. There was no attempt to solve the problem

2.2. Examples of test tasks:

Question name: Question No. 1
ID-1 UK-5.1
Question name: question 1

CONTRIBUTION TO MEDICINE OF THE AMERICAN DENTIST W. MORTON

1) performed the first successful public operation under ether anesthesia
2) founder of pediatric dentistry
3) published a paper on the use of a stethoscope
4) designed dentures

Question name: question 2

THE ACHIEVEMENT OF THE SCOTTISH OBSTETRIC AND SURGEON D. SIMPSON

1) first used chloroform for pain relief in obstetric practice
2) introduced fetal rotation into obstetrics
3) introduced asepsis and antisepsis into obstetrics
4) proposed the design of a special obstetric chair

Question name: question 3

NARCOSIS SUBSTANCE USED IN 1847 BY SCOTTISH OBSTETRIC AND SURGEON J. SIMPSON

1) chloroform
2) nitrous oxide
3) ether
4) morphine

ID-2 UK-5.2

Question name: question 4

FEATURES OF MEDICINE DEVELOPMENT IN THE BYZANTINE EMPIRE

1) the formation of anatomy, physiology, surgery, the fight against infectious diseases
2) translations into Arabic of the works of Hippocrates, Galen, the creation of large libraries, pharmacies, hospitals and medical schools
3) preservation of the traditions of ancient medicine, the role of Christianity in the development of medicine, monastic and civil hospitals, sanitary facilities: aqueducts, cisterns, baths
4) temple healing, medical schools, the discovery of two sides in the human structure: physique and temperament

Question name: question 5

MAIN FEATURES OF THE ERA IN THE CALIPHATES

1) the emergence of Islam and its spread beyond the Arabian Peninsula
2) the crisis of the Great Roman Empire and its division in 395 into 2 parts: the Western and Eastern Roman Empire
3) development of mathematics and mechanics, metaphysics, establishment of the experimental method in science, invention of printing
4) creation of the first medical texts, understanding of the causes of diseases, creation of the most ancient sanitary facilities, formation of the foundations of medical ethics

Question name: question 6

FEATURES OF MEDICINE DEVELOPMENT IN THE CALIPHATES

1) preservation of the traditions of ancient medicine, the role of Christianity in the development of medicine, monastic and civil hospitals, sanitary facilities: aqueducts, cisterns, baths
2) temple healing, hospitals, medical schools, the discovery of two sides in the human structure: physique and temperament
3) the formation of anatomy, physiology, surgery, the fight against infectious diseases

4) translations into Arabic of the works of Hippocrates, Galen, the creation of large libraries, pharmacies, hospitals and medical schools

ID-3 UK-5.3
Question title: question 7
INTRODUCED THE TERM "BIOETHICS" FOR THE FIRST TIME
1) V.R. Potter
2) A. Schweitzer
3) S. Sanders
4) Mother Teresa

Question name: question 8
DOCUMENT THAT CONSTITUTED THE BASIS OF MEDICAL ETHICS IN THE RUSSIAN EMPIRE IN THE 19th – EARLY 20TH CENTURIES
1) Faculty promise of Russian doctors
2) Oath of the Doctor of the Russian Empire
3) Hippocratic Oath
4) Oath of Russian doctors

ID-1 OPK-10.1
Question title: question 9
WORLD HISTORY IS DIVIDED INTO 5 PERIODS
1) pre-class society, ancient world, middle ages, modern history, recent history
2) primitive society, ancient world, ancient world, middle world, new world
3) ancient world, Middle Ages, modern history, modern history, super-modern history
4) pre-class society, class society, Middle Ages, modern history, recent history

Question name: question 10
GENERAL HISTORY OF MEDICINE STUDIES
1) the pattern of medicine in general, the influence of scientists on the development of all medicine
2) about the emergence and development of individual specialties, medical disciplines, the life and work of doctors, medical scientists
3) general patterns of anatomy development
4) general questions of the origin of history

Question name: question 11
PRIVATE HISTORY OF MEDICINE GIVES INSIGHT
1) the pattern of medicine in general, the influence of scientists on the development of all medicine
2) about the emergence and development of individual specialties, medical disciplines, the life and work of doctors, medical scientists
3) general patterns of anatomy development
4) general questions of the origin of history

Question name: question 12
SOURCES FOR STUDYING THE HISTORY OF MEDICINE
1) medical scientific literature, biographies of scientists, encyclopedias
2) works of folk epic, data from archaeological excavations, fine arts, art of healing
3) medical scientific literature, biographies of medical scientists, handwritten materials, fiction, works of folk epic, tales, songs, archaeological excavation data, fine arts
4) medical non-fiction, fiction, children's literature

Evaluation criteria, grading scale for test tasks

Rating		Description
"excellent"	5	Completed in full – 90%-100%
"good"	4	Not fully implemented – 80%-89%
"satisfactory"	3	Completed with deviation – 70%-79%
"unsatisfactory"	2	Partially completed – 69% or less correct answers

2.3. Sample checklist:

ID-1 UK-5.1

- Hippocrates as the founder of rational-empirical medicine, the doctrine of the body's juices, healing methods.
- Galen: development of the experimental method of research, the doctrine of blood circulation, contribution to the method of preparing medicines.

ID-2 UK-5.2

- Features of the development of medicine in slave states (Babylon and Assyria, Ancient India, Egypt, China).
- Medicine in Byzantium: learned encyclopedists and the significance of their works for the development of medicine in Western European countries.
- Medicine in the Arab Caliphates. Al Razi (Razes).
- Avicenna (Abu Ali Ibn Sina) and his teaching on medicine ("Canon of Medicine").

ID-3 UK-5.3

- Contents of the oath of a doctor in Russia.
- Features of the deontology of a sanitary doctor.
- N. I. Pirogov's contribution to the development of anatomy and surgery.
- The influence of the Russian materialistic philosophy of A. N. Radishchev, A. I. Herzen, N. G. Chernyshevsky, N. A. Dobrolyubov, D. I. Pisarev on the development of natural science and medicine.

ID-1 OPK-10.1

- History of medicine as a science: definition, significance for the training of doctors.
- Periodization of the history of medicine.
- Sources for studying the history of medicine.
- Medicine of the primitive communal system.

Evaluation criteria, assessment scale for control questions

Rating		Description
"excellent"	5	Knows all the educational material, understands it perfectly and has thoroughly mastered it. Gives correct, conscious and confident answers to questions (within the program). In oral answers he uses literary correct language and does not make mistakes.
"good"	4	Knows all the required educational material, understands it well and has mastered it firmly. Answers questions (within the program) without difficulty. In oral answers he uses literary language and does not make gross mistakes
"satisfactory"	3	Knows basic educational material. Answers questions (within the limits of the program) with difficulty. In oral answers, he makes mistakes when presenting the material and in constructing his speech.

Rating		Description
"unsatisfactory"	2	Does not know most of the educational material, answers, as a rule, only to the teacher's leading questions, hesitantly. Makes frequent and serious mistakes in oral answers

2.4. Examples of essay topics

ID-1 UK-5.1, ID-2 UK-5.2, ID-3 UK-5.3

1. "By shining on others, I burn myself" (about medical ethics).
2. Andrew Vesalius (1514-1564) and the beginning of scientific anatomy.
3. The Pharmacy Order is the first governing body of medicine.

ID-1 OPK-10.4

4. Bekhterev Vladimir Mikhailovich (1857-1927) - founder of the Psychoneurological Institute.
5. Botkin Sergei Petrovich (1832-1889) and his school.

Evaluation criteria, abstract grading scale

Rating		Description
"excellent"	5	All requirements for writing and defending an abstract are met: the problem is identified and its relevance is justified, a brief analysis of various points of view on the problem under consideration is made and one's own position is logically presented, conclusions are formulated, the topic is fully disclosed, the scope is maintained, requirements for external design are met, correct answers to additional questions are given
"good"	4	The basic requirements for the abstract and its defense have been met, but there are some shortcomings; in particular, there are inaccuracies in the presentation of the material; there is no logical consistency in judgments; the scope of the abstract is not maintained; there are omissions in design; Incomplete answers were given to additional questions during the defense
"satisfactory"	3	There are significant deviations from the abstracting requirements; in particular: the topic is only partially covered; there were factual errors in the content of the abstract or in answering additional questions; no output during protection
"unsatisfactory"	2	The topic of the abstract is not disclosed, a significant misunderstanding of the problem is revealed, or the abstract is not presented at all

3. Current control procedure

Current monitoring of progress in the discipline is carried out in the form of: interviews, testing.

4. Examples of assessment tools and assessment criteria for intermediate certification

4.1. An approximate list of checklists to prepare for the test:

ID-1 UK-5.1

- Tell us about the features of the origin and development of healing in the primitive era

- List the general features of the development of healing in the countries of the ancient world

ID-2 UK-5.2

- Why Hippocrates is a reformer of medicine. Justify your answer
- Tell us about the development of surgery in modern times in Western Europe
- Tell us about the development of therapy in modern times in Western Europe

ID-3 UK-5.3

- Tell us about the origins of medical confidentiality
- Tell us about the process of the doctor's oath

ID-1 OPK-10.1.

- Tell us about the influence of totemism on the development of healing
- Talk about the influence of natural scientific discoveries on the development of internal diseases in the 20th century

Evaluation criteria, assessment scale for control questions

Rating		Description
"excellent"	5	Knows all the educational material, understands it perfectly and has thoroughly mastered it. Gives correct, conscious and confident answers to questions (within the program). In oral answers he uses literary correct language and does not make mistakes.
"good"	4	Knows all the required educational material, understands it well and has mastered it firmly. Answers questions (within the program) without difficulty. In oral answers he uses literary language and does not make gross mistakes
"satisfactory"	3	Knows basic educational material. Answers questions (within the limits of the program) with difficulty. In oral answers, he makes mistakes when presenting the material and in constructing his speech.
"unsatisfactory"	2	Does not know most of the educational material, answers, as a rule, only to the teacher’s leading questions, hesitantly. Makes frequent and serious mistakes in oral answers

4.2. Examples of tasks:

ID-1 UK-5.1, ID-2 UK-5.2, ID-3 UK-5.3, ID-1 OPK-10.1.
- formulate the basic principles of the activities of a given outstanding scientist, his contribution to the development of medicine (defense of the abstract)
- imagine schematically the development of medicine in the ancient period
- establish the sequence of discoveries in medicine in chronological order
- create a crossword puzzle on a given topic

Evaluation criteria, assignment grading scale

Rating		Description
"excellent"	5	The explanation of the solution to the task is detailed, consistent, competent, with theoretical justifications, with the necessary schematic images and visual demonstrations, with correct and fluent use of terminology; answers to additional questions are correct and clear

"good"	4	The explanation of the task is detailed, but not logical enough, with isolated errors in details, some difficulties in theoretical justification, schematic images and visual demonstrations, answers to additional questions are correct, but not clear enough
"satisfactory"	3	The explanation of the task is insufficiently complete, inconsistent, with errors, weak theoretical justification, with significant difficulties and errors in schematic images and visual demonstrations, answers to additional questions are not clear enough, with errors in details
"unsatisfactory"	2	The explanation of the task is given incompletely, inconsistently, with gross errors, without theoretical justification, without the ability to draw schematic images and visual demonstrations or with a large number of errors, answers to additional questions are incorrect or missing

Evaluation criteria, final grading scale (pass)

Rating	Description
"passed"	Demonstrates a thorough understanding of the problem. Knows the basic concepts within the framework of the issue under discussion, methods of study and their relationship with each other, practical problems and has an idea of promising directions for developing the issue under consideration
"not passed"	Demonstrates a lack of understanding of the problem. Does not know the basic concepts, methods of study, within the framework of the issue being discussed, has no idea about the main practical problems

5. Interim assessment procedure

Intermediate assessment in the discipline is carried out in the form of a credit test. The test includes: an interview on tickets (includes test questions and assignments).