

FEDERAL STATE BUDGET EDUCATIONAL INSTITUTION  
OF HIGHER EDUCATION  
"ROSTOV STATE MEDICAL UNIVERSITY"  
MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION

*Faculty of Education of foreign students, residents and postgraduates*

CONFIRM  
Supervisor  
educational program  
  
(signature) / E.S. Belousova /  
(FULL NAME.)  
  
20\_23

THE PROGRAM OF EDUCATIONAL PRACTICE

RESEARCH WORK

Speciality 31.05.01 General medicine

Form of education full-time

Rostov-on-Don  
2023

## **1.Objectives of research work:**

consolidation and deepening of theoretical knowledge acquired during the study of the academic discipline of the main educational program (propaedeutics of internal diseases) and the formation in students of skills of independent scientific work related to solving professional and scientific-practical problems.

The objectives of scientific research are work (research work) students development of scientific thinking And inclinations To research and creative activities; involving students within the educational process in the scientific study of medical problems; developing the skills of independent scientific research and a creative approach to solving assigned problems; formation of the scientific and professional culture of future specialists.

## **2.Place of research in the structure of the EP**

Research Internal Medicine Job students By propaedeutics is compulsory section basic educational program 05/31/01 General Medicine and is included in the cycle "Practices, including research." To successfully complete research work on propaedeutics of internal diseases, the student must master the discipline program provided for by the curriculum.

## **3.Indication of the method and form of research work**

Scientific information search in sources with a high evidence base index and presentation of information in abstract form as part of research activities, at meetings of the student scientific circle, participation in scientific student conferences, as well as preparation of theses and scientific articles on the topic of scientific research; gaining skills in preparing scientific papers.

## **4. Student competencies formed as a result of mastering research work**

PC 20 - readiness to analyze and publicly present medical information based on evidence-based medicine;

PC 21 - ability to participate in scientific research; PC-22 - readiness to participate in the implementation of new methods and techniques aimed at protecting the health of citizens.

As a result of completing research work, the student must:

a) know:

- information technologies in scientific research;
- regulatory documents on the design of educational and research works

b) be able to:

- carry out analysis, systematization and generalization of scientific and technical information on the research topic;
- analyze the scientific and practical significance of the ongoing research;
- implement independent research on current issues
- skills of working in a creative team;
- participate in the organization and conduct of scientific and practical conferences, student circle meetings, etc.

3) own

- skills in conducting bibliographic work involving modern information and communication technologies;
- skills in designing and presenting the results of scientific work in oral (reports, messages, speeches) and written (abstracts of scientific works, abstracts, analytical reviews, research reports, essays, scientific articles, etc.) forms.

#### **5. Structure and content of research work**

The labor intensity of research is 1 z 36 hours, 3 course

Approximate topics of students' research works Topics include search tasks from the following sections: 1. Epidemiology of diseases of internal organs

2. Human microbiome

3. Ethical considerations when performing scientific research

4. Evolution of clinical methods for studying the patient

5. Bioethics

6. Development of the domestic therapeutic school

7. Social factors in the development of medical science

8. Theory and practice of auscultation of the heart and lungs

9. Main symptoms in pathology of the heart and lungs: pathophysiological and clinical aspects

10. Main clinical syndromes in pathology of the digestive and urinary organs: pathophysiological and clinical aspects 11. Innovative diagnostic technologies in the clinic of internal diseases

12. Methodology for constructing a diagnosis

Reporting form: credit based on the results of the abstract submission. Basic requirements for writing an essay and criteria for its evaluation.

An abstract is a brief record of ideas contained in one or more sources, which requires the ability to compare and analyze different points of view. An abstract is one of the forms of interpretation of the source text or several sources. Therefore, the abstract, unlike the synopsis, is a new, original text. Novelty in this case implies a new presentation, systematization of the material, a special author's position when comparing different points of view.

Abstracting involves presenting a question based on classification, generalization, analysis and synthesis of one or more sources.

Abstract specifics:

- does not contain detailed evidence, comparisons, reasoning, ratings,
- gives an answer to the question of what is new and significant contained in the text.

Abstract structure:

- 1) title page;
- 2) work plan indicating the pages of each question, sub-question (item);
- 3) introduction;
- 4) textual presentation of the material, divided into questions and sub-questions (clauses, subclauses) with the necessary links to sources used by the author;
- 5) conclusion;
- 6) list of used literature;
- 7) applications that consist of tables, charts, graphs, drawings, diagrams (optional part of the abstract).

Applications are arranged sequentially, according to headings that reflect their content.

Requirements for the preparation of an abstract.

The volume of the abstract ranges from 10-15 printed pages. The work is done on one side of a standard size sheet. On both sides of the sheet, margins of 35 mm on the left and 15 mm on the right are left, font size 14 is recommended, spacing is 1.5. All pages of the abstract must be numbered. Each question in the text must have a title in exact accordance with the name in the table of contents.

The abstract is assessed by the scientific supervisor according to the indicators based on from and criteria for assessing the abstract established by the department.

Criteria and indicators used when assessing an educational essay

Criteria	Indicators
----------	------------

<p>1. Novelty abstracted text Max. - 20 points</p>	<ul style="list-style-type: none"> <li>- relevance of the problem and topic;</li> <li>- novelty and independence in the formulation of the problem, in the formulation of a new aspect of the problem chosen for analysis;</li> <li>- presence of the author's position, independence of judgment.</li> </ul>
<p>2. Degree of opening essence of the problem Max. - 30 points</p>	<ul style="list-style-type: none"> <li>- compliance of the plan with the topic of the abstract;</li> <li>- compliance of the content with the topic and plan of the abstract;</li> <li>- completeness and depth of disclosure of the basic concepts of the problem;</li> <li>- validity of methods and methods of working with the material;</li> <li>- ability to work with literature, systematize and structure material;</li> <li>- ability to generalize, compare different points of view on the issue under consideration, justify the main provisions and conclusions.</li> </ul>
<p>3. Validity selection of sources Max. - 20 points</p>	<ul style="list-style-type: none"> <li>- range, completeness of use of literary sources on the problem;</li> <li>- attraction of the latest works on the problem (journal publications, materials from collections of scientific papers, etc.).</li> </ul>
<p>4. Compliance requirements for design Max. - 15 points</p>	<ul style="list-style-type: none"> <li>- correct formatting of references to the literature used;</li> <li>- literacy and culture of presentation;</li> <li>- mastery of terminology and conceptual apparatus of the problem;</li> <li>- compliance with the requirements for the volume of the abstract;</li> <li>- design culture: highlighting paragraphs.</li> </ul>
<p>5. Literacy Max. - 15 points</p>	<ul style="list-style-type: none"> <li>- absence of spelling and syntactic errors, stylistic errors;</li> <li>- absence of typos, abbreviations of words, except generally accepted ones;</li> <li>- literary style.</li> </ul>

### Essay evaluation

The abstract is graded on a 100-point scale, the points are converted into grades of academic performance as follows:

- up to 50 points – “not accepted”;
- from 51 points – “passed”.

### 6. Methodological recommendations for carrying out research work for students

The organization of research work is built taking into account the following factors:

- have a personality-oriented character

- be complex in nature
- be creative

In the process of research work it is envisaged:

- study of literary sources (scientific monographs, articles, reports, methodological literature, reports on research work, etc.) on propaedeutics of internal diseases, internal diseases
- systematization and structuring of the information received;
- participation in scientific student conferences, preparation of abstracts of speeches and reports;
- preparation of a scientific presentation on the topic of scientific research within the circle of the Department of Propaedeutics of Internal Diseases;
- gaining skills in preparing scientific papers.

#### 7. Educational, methodological and information support for research work

a) basic literature:

1. Mukhin N.A. Propaedeutics of internal diseases [Electronic resource] / N. A. Mukhin, V. S. Moiseev - M.: GEOTAR-Media, 2014.

b) additional literature:

1. Greenhalgh T.; Fundamentals of evidence-based medicine. Per. from English; Ed. I.N. Denisova, K.I. Saitkulova, V.P. Leonova - M.: GEOTAR - Media, ed. 4th revised, expanded, 2015.

c) Internet resources:

No. p/p	Publication name (bibliographic description)	Number of copies	
		Validity V library	on department
1	2	3	4
1	<b>Electronic educational library</b> RostSMU [Electronic resource]. - Access mode: <a href="http://80.80.101.225/opacq">http://80.80.101.225/opacq</a>	Access is not limited	
2	<b>Student Advisor</b> [Electronic resource]: EBS. – M.: LLC "IPUZ". - Mode access: <a href="http://www.studmedlib.ru">http://www.studmedlib.ru</a>	Access is not limited	
3	<b>Consultant doctor</b> Electronic medical library [Electronic resource]: EBS. – M.: LLC GC "GEOTAR". - Access mode: <a href="http://www.rosmedlib.ru">http://www.rosmedlib.ru</a>	Access is not limited	
4	<b>Single window of access to information resources</b> [Electronic resource]. - Access mode: <a href="http://window.edu.ru/">http://window.edu.ru/</a> [12.02.2018].	Open access	
5	<b>Russian education. Federal educational portal</b> [Electronic resource]. - Mode access: <a href="http://www.edu.ru/index.php">http://www.edu.ru/index.php</a> [02/22/2018].	Open access	
6	<b>ACADEMICIAN.</b> Dictionaries <b>online</b> [Electronic resource]. - Access mode: <a href="http://dic.academic.ru/">http://dic.academic.ru/</a> [02/22/2018].	Open access	
7	<b>WordReference.com</b> [Electronic resource]:	Open	

	online language dictionaries. - Access mode: <a href="http://www.wordreference.com/enru/">http://www.wordreference.com/enru/</a> [02/22/2018].	access	
8	<b>History.RF</b> [Electronic resource]. - Access mode: <a href="https://histrf.ru/">https://histrf.ru/</a> [02/22/2018].	Open Access	
9	Legal reference system " <b>Consultant Plus</b> " [Electronic resource]. - Access mode: <a href="http://www.consultant.ru">http://www.consultant.ru</a>	Access limited	
10	<b>Legal Russia</b> [Electronic resource]: federal legal portal. - Access mode: <a href="http://www.law.edu.ru/">http://www.law.edu.ru/</a> [02/22/2018].	Open access	
eleven	<b>Official Internet portal legal information</b> [Electronic resource]. - Access mode: <a href="http://pravo.gov.ru/">http://pravo.gov.ru/</a> [02/22/2018].	Open access	
12	<b>Federal Electronic Medical Library of the Russian Ministry of Health</b> [Electronic resource]. - Mode access: <a href="http://www.femb.ru/feml/">http://www.femb.ru/feml/</a> , <a href="http://feml.scsml.rssi.ru">http://feml.scsml.rssi.ru</a> [02/22/2018].	Open access	
13	<b>Electronic library Central subscription scientific medical libraries (EBA CNMB)</b> [Electronic resource] / OOOMIP "Med. information resources"; 1MGMU named after. THEM. Sechenov. - Access mode: <a href="http://www.emll.ru/newlib/">http://www.emll.ru/newlib/</a>	Access limited	
14	<b>Scientific electronic library eLIBRARY</b> [Electronic resource]. - Access mode: <a href="http://elibrary.ru">http://elibrary.ru</a>	Open access	
15	<b>National electronic library</b> [Electronic resource]. - Access mode: <a href="http://neb.rf/">http://neb.rf/</a>	Access is not limited	
16	<b>Scopus</b> [Electronic resource] / Elsevier Inc., Reed Elsevier. - Electronic data. - Philadelphia: Elsevier BV, PA, 2015. - Access mode: <a href="http://www.scopus.com/">http://www.scopus.com/</a>	Access limited	
17	<b>Web of Science</b> [Electronic resource]. Access mode: <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a> (National RF subscription)	Access is not limited	
18	<b>MEDLINE Complete EBSCO</b> [Electronic resource]. - Mode access: <a href="http://search.ebscohost.com">http://search.ebscohost.com</a> (National subscription of the Russian Federation)	Access is not limited	
19	<b>Medline</b> (PubMed, USA) [Electronic resource]. - Access mode: <a href="https://www.ncbi.nlm.nih.gov/pubmed/">https://www.ncbi.nlm.nih.gov/pubmed/</a> [02/22/2018].	Open access	
20	<b>Free Medical Journals</b> [Electronic resource]. - Mode access: <a href="http://freemedicaljournals.com">http://freemedicaljournals.com</a> [02/22/2018].	Open access	
21	<b>Free Medical Books</b> [Electronic resource]. - Mode access: <a href="http://www.freebooks4doctors.com/">http://www.freebooks4doctors.com/</a> [02/22/2018].	Open access	
22	<b>Internet Scientific Publication</b> [Electronic resource]. - Access mode: <a href="http://www.ispub.com">http://www.ispub.com</a> [02/22/2018].	Open access	
23	<b>CyberLeninka</b> [Electronic resource]: scientific. electron. beep. - Access mode: <a href="http://cyberleninka.ru/">http://cyberleninka.ru/</a> [02/22/2018].	Open access	
24	<b>Archive of scientific journals</b> [Electronic resource] / NEICON. - Mode access:	Open access	

	<a href="http://archive.neicon.ru/xmlui/">http://archive.neicon.ru/xmlui/</a> [02/22/2018].		
25	<b>Open access journals in Russian</b> [Electronic resource]/EIPub NEICON platform. - Mode access: <a href="http://elpub.ru/elpub-journals">http://elpub.ru/elpub-journals</a> [02/22/2018].	Open access	
26	<b>Medical Bulletin of the South of Russia</b> [Electronic resource]. - Mode access: <a href="http://www.medicalherald.ru/jour">http://www.medicalherald.ru/jour</a> [02/22/2018].	Open access	
27	<b>Worldwide organization health</b> [Electronic resource]. - Access mode: <a href="http://who.int/ru/">http://who.int/ru/</a> [12.02.2018].	Open access	
28	<b>Med-Edu.ru</b> [Electronic resource]: medical video portal - Access mode: <a href="http://www.med-edu.ru/">http://www.med-edu.ru/</a> [02/22/2018].	Open access	
29	<b>DoctorSPB.ru</b> [Electronic resource]: information reference. portal about medicine. - Access mode: <a href="http://doctorspb.ru/">http://doctorspb.ru/</a> [02/22/2018].	Open access	
thirty	<b>Modern problems of science and education</b> [Electronic journal]. - Access mode: <a href="http://www.science-education.ru/ru/issue/index">http://www.science-education.ru/ru/issue/index</a> [02/22/2018].	Open access	
31	<b>Other</b> Open resources can be found at: <a href="http://rostgmu.ru">http://rostgmu.ru</a> → Library→Electronic catalogue→Open Internet resources→further by keyword...	Open access	