

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 /
(signature) (FULL NAME.)

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THE PROGRAM OF EDUCATIONAL PRACTICE

RESEARCH WORK

Speciality 31.05.01 General medicine

Form of education full-time

Rostov-on-Don
2018

[Handwritten initials]

1.Objectives of research work:

consolidation and deepening of theoretical knowledge, development of students' skills in independent scientific work related to solving professional and scientific-practical problems.

The objectives of research work in accordance with the type of professional activity (research activity) are:

analysis of scientific literature and official statistical reviews, participation in statistical analysis and public presentation of the results obtained;

participation in solving certain research and scientific-applied problems in the field of health care in diagnosis, treatment, medical rehabilitation and prevention.

The objectives of the research work are also: the development of scientific thinking and inclinations for research and creative activity; 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.

1. Place of R&D in the structure of the EP, semester
Industrial practice "Research work" is basic.

3,5,7 semesters

2. Type and method of conducting

research Type -research work **Method of implementation:**

- stationary
- away

3. 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.

4. Structure and content of research work

Total labor intensity 108 hours, 3 z

No. p/p	Sections (stages) practices	Labor intensity (in hours)
Section 1 semester 3		
1	Introductory lesson	2
2	Carrying out research work	32
3	Test lesson	2
Total		
Section 2, semester 5		
1	Introductory lesson	2
2	Carrying out research work	32
3	Test lesson	2
Total		
Section 3, semester 7		
1	Introductory lesson	2
2	Carrying out research work	32
3	Test lesson	2
Total		

Sample essay topics: 3rd semester

1. Ethical considerations when performing scientific research
2. Bioethics
3. Development of the domestic therapeutic school
4. Artificial nutrition of patients
5. Physiotherapy: evolution of methodological approaches
6. Modern possibilities of oxygen therapy
7. Prevention of bedsores
8. Model of organizing activities for the care of patients with pathologies of the circulatory and respiratory organs
9. Model of organizing activities for the care of patients with pathologies of the digestive organs, kidneys and urination
10. Blood transfusions: modern approaches to transfusion therapy.
11. Vegetative-vascular dystonia: etiology, diagnostic criteria, classification.

5th semester

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

13. Non-drug technologies for the treatment of chronic ischemic heart disease. 7th semester

1. Primary prevention of cardiovascular diseases.

2. Primary and secondary dyslipidemia.

3. Non-drug treatment of atherogenic dyslipidemia.

4. Differentiated drug treatment of atherogenic dyslipidemia.

5. Thromboembolic complications and their prevention in cardiovascular diseases.

6. Features of diagnosing angina pectoris in certain groups of patients and with concomitant diseases

7. Cardialgia: differential diagnosis.

8. Combined antianginal therapy.

9. Surgical and endovascular treatment of chronic ischemic heart disease.

10. Diagnosis and treatment of special forms of chronic ischemic heart disease.

11. Differential diagnosis of acute coronary syndrome.

12. Biomarkers in the diagnosis of myocardial infarction.

13. Reperfusion syndrome.

14. Treatment of unstable angina.

15. Acute heart failure: etiopathogenesis, clinical picture, diagnosis, treatment.

16. Cardiogenic shock: etiopathogenesis, clinical picture, diagnosis, treatment.

5. Methodological recommendations for carrying out research work

A systematic approach to research involves not only a thorough study of specialized literature, but also reference to additional sources - reference books, encyclopedias, dictionaries. These sources are an important aid in the student's independent work, since a deep study of such materials will allow the student to confidently "recognize" and then independently operate with scientific categories and concepts, and therefore master professional scientific terminology. And this should serve as the basis for carrying out research work in practice.

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.

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, assessments,

- gives an answer to the question of what is new and significant contained in the text.

Abstract structure:

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

Applications are arranged sequentially, according to headings, reflecting 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 14 is recommended, spacing is 1.5. All sheets 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 supervisor based on the indicators and criteria for assessing the abstract established by the department.

Reporting form: credit based on the results of the abstract submission.

6. Educational, methodological and information support for research

work a) basic literature:

1. Oslopov V.N. General patient care in a therapeutic clinic: textbook. allowance for medical universities/ V.N. Oslopov, O.V. Epiphany. - ed. 3rd, rev. and additional - M.: GEOTAR-Media, 2008. - 464 p.

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.

	ELECTRONIC EDUCATIONAL RESOURCES	Access to the resource
1.	Electronic educational library RostSMU [Electronic resource]. - Access mode: http://80.80.101.225/opacq	Access is not limited

2.	Student Advisor [Electronic resource]: EBS. – M.: LLC "IPUZ". - Access mode: http://www.studmedlib.ru	Access is not limited
3.	Doctor's consultant. Electronic medical library [Electronic resource]: EBS. – M.: LLC GC "GEOTAR". - Access mode: http://www.rosmedlib.ru	Access is not limited
4.	One access window to information resources [Electronic resource]. - Access mode: http://window.edu.ru/ [12.02.2018].	Open access
5.	Russian education. Federal educational portal [Electronic resource]. - Access mode: http://www.edu.ru/index.php [02/22/2018].	Open access
6.	ACADEMICIAN. Online dictionaries [Electronic resource]. - Mode access: http://dic.academic.ru/ [02/22/2018].	Open access
7.	WordReference.com [Electronic resource]: online linguistic dictionaries. - Mode access: http://www.wordreference.com/enru/ [02/22/2018].	Open access
8.	History.RF [Electronic resource]. - Access mode: https://histrf.ru/ [02/22/2018].	Open Access
9.	Information legal system " Consultant Plus " [Electronic resource]. - Access mode: http://www.consultant.ru	Access limited
10.	Legal Russia [Electronic resource]: federal legal portal. - Access mode: http://www.law.edu.ru/ [02/22/2018].	Open access
eleven.	Official Internet portal legal information [Electronic resource]. - Access mode: http://pravo.gov.ru/ [02/22/2018].	Open access
12.	Federal electronic medical library Ministry of Health of Russia [Electronic resource]. - Access mode: http://www.femb.ru/feml/ , http://feml.scsml.rssi.ru [02/22/2018].	Open access
13.	Electronic library Central subscription scientific medical library (EBA CNMB) [Electronic resource] / OOOMIP "Med. information resources"; 1MGMU named after. THEM. Sechenov. - Access mode: http://www.emll.ru/newlib/	Access limited
14.	Scientific electronic library eLIBRARY [Electronic resource]. - Access mode: http://elibrary.ru	Open access
15.	National Electronic Library [Electronic resource]. - Access mode: http://neb.rf/	Access is not limited
16.	Scopus [Electronic resource] / Elsevier Inc., Reed Elsevier. – Electronic data. – Philadelphia: Elsevier BV, PA, 2015. – Access mode: http://www.scopus.com/	Access limited
17.	Web of Science [Electronic resource]. Access mode: http://apps.webofknowledge.com (National subscription of the Russian Federation)	Access is not limited
18.	MEDLINE Complete EBSCO [Electronic resource]. - Mode access: http://search.ebscohost.com (National subscription RF)	Access is not limited
19.	Medline (PubMed, USA) [Electronic resource]. - Access mode: https://www.ncbi.nlm.nih.gov/pubmed/ [02/22/2018].	Open access
20.	Free Medical Journals [Electronic resource]. - Access mode: http://freemedicaljournals.com [02/22/2018].	Open access

21.	Free Medical Books [Electronic resource]. - Access mode: http://www.freebooks4doctors.com/ [02/22/2018].	Open access
22.	Internet Scientific Publication [Electronic resource]. - Mode access: http://www.ispub.com [02/22/2018].	Open access
23.	CyberLeninka [Electronic resource]: scientific. electron. beep. - Access mode: http://cyberleninka.ru/ [02/22/2018].	Open access
24.	Archive of scientific journals [Electronic resource] / NEIKON. - Access mode: http://archive.neicon.ru/xmlui/ [02/22/2018].	Open access
25.	Open access journals in Russian [Electronic resource]/ElPub NEICON platform. - Access mode: http://elpub.ru/elpub-journals [02/22/2018].	Open access
26.	Medical Bulletin of the South of Russia [Electronic resource]. - Access mode: http://www.medicalherald.ru/jour [02/22/2018].	Open access
27.	World Health Organization [Electronic resource]. - Access mode: http://who.int/ru/ [12.02.2018].	Open access
28.	Med-Edu.ru [Electronic resource]: medical video portal. - Access mode: http://www.med-edu.ru/ [02/22/2018].	Open access
29.	DoctorSPB.ru [Electronic resource]: information reference. portal about medicine. - Access mode: http://doctorspb.ru/ [02/22/2018].	Open access
thirty.	Evrika.ru. [Electronic resource]: Information educational portal for doctors. - Access mode: https://www.evrika.ru/ [02/22/2018].	Required registration
31.	Univadis.ru [Electronic resource]: international. honey. portal. - Access mode: http://www.univadis.ru/ [02/22/2018].	Required registration
32.	BEARWEST. Russian doctor portal: library, base knowledge [Electronic resource]. - Access mode https://medvestnik.ru/ [02/22/2018]	Required registration
33.	Modern problems of science and education [Electronic magazine].- Access mode: http://www.science-education.ru/ru/issue/index [02/22/2018].	Open access
	Other Open resources can be found at: http://rostgmu.ru → Library→ Electronic catalogue→ Open Internet resources→ further by keyword...	Open access

List of software

1. Office Standard, license No. 66869707 (agreement No. 70-A/2016.87278 dated 05/24/2016).
2. System Center Configuration Manager Client ML, System Center Standard, license No. 66085892 (agreement No. 307-A/2015.463532 dated 12/07/2015);
3. Windows, license No. 66869717
(agreement No. 70-A/2016.87278 dated May 24, 2016).
4. Office Standard, license No. 65121548 (agreement No. 96-A/2015.148452 dated 05/08/2016);
5. Windows Server - Device CAL,

Windows Server – Standard, license no.

65553756 (agreement No. RGMU1292 dated August 24, 2015);

6. Windows, license No. 65553761

(agreement No. RGMU1292 dated August 24, 2015);

7. Windows Server Datacenter - 2 Proc,

license No. 65952221 (agreement No. 13466/RND1743/RGMU1679 dated October 28, 2015);

8. Kaspersky Total Security 500-999 Node 1 year Educational Renewal License (Agreement No. 358-A/2017.460243 dated November 1, 2017).

9. Provision of communication services (Internet): "Rostelecom" - agreement No. RGMU7628 dated December 22, 2017; "ER-Telecom Holding" - agreement RGMU7611 dated December 22, 2017; "MTS" - agreement RGMU7612 dated December 22, 2017.

8.Appraisal Fundto determine the level of development of competencies as a result of internship is an appendix to the internship work program.

9. Logistics support for research work

Premises for independent work of students - library. The premises are equipped with specialized educational furniture, computer equipment connected to the Internet, providing access to the electronic information and educational environment Nakhichevan, 38/57-59/212-214 (No. 28, Liter A-Ya, 2nd floor).

2. Premises for conducting practical classes, group consultations, individual consultations, ongoing monitoring and intermediate certification are located at the following addresses: 344022, Rostov region, Rostov-on-Don, st. Suvorova, 119/80, Preparatory Faculty (Liter: A, 4th floor, room 407); 344022, Rostov region, Rostov-on-Don, lane. Nakhichevan, 38/57-59/212-214. Department and Clinic of Neurosurgery, Clinic of Therapy (Liter A, 2nd floor, room 1); 344090, Rostov region, Rostov-on-Don, st. Blagodatnaya, 170. State Budgetary Institution RO "Rostov Regional Clinical Hospital" (1st floor, room 49).