

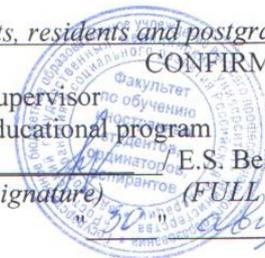
FEDERAL STATE BUDGET EDUCATIONAL INSTITUTION
OF HIGHER EDUCATION
"ROSTOV STATE MEDICAL UNIVERSITY"
MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION

Faculty of Education of foreign students, residents and postgraduates

CONFIRM

Supervisor
educational program

E.S. Belousova /
(signature) (FULL NAME.)



30.05.2023

DISCIPLINE WORKING PROGRAM

PEDIATRIC SURGERY

Speciality 31.05.01 General medicine

Form of education full-time

Rostov-on-Don
2023

I. GOALS AND OBJECTIVES OF MASTERING THE DISCIPLINE

Goals mastering the discipline: to teach students the ability to diagnose surgical diseases and malformations of internal organs and the musculoskeletal system in children, to determine the choice of method of their treatment and prevention.

Tasks:

- Consolidation of skills and expansion of knowledge acquired at the departments of surgical diseases, pediatrics (basics of antisepsis and asepsis, issues of general oncology, anesthesiology, deontology, behavior in a surgical clinic, etc.).
- Teaching students the skills of clinical examination of a sick child and clinical thinking, the ability to conduct differential diagnostics.
- Training students in the most important instrumental methods for diagnosing acute surgical pathology requiring emergency surgical intervention in children;
- Teaching students the ability to identify the leading symptoms of surgical diseases in childhood;
- Teaching students the characteristics of orthopedic diseases in childhood, their diagnosis, and the choice of rational methods of further treatment;
- Formation of motivation among the population, patients and members of their families aimed at preserving and strengthening their health and the health of their children.

II. REQUIREMENTS FOR THE RESULTS OF MASTERING THE DISCIPLINE

The process of studying the discipline is aimed at developing the following competencies in accordance with the Federal State Educational Standard of Higher Education and the EP of Higher Education in this specialty:

professional (PC)

Code and name of professional competence
PC-6 - the ability to determine in patients the main pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification diseases and health problems - X revision, adopted by the 43rd World Health Assembly, Geneva, 1989.
PC-8 - ability to determine tactics for managing patients with various nosological forms
PC – 11 - readiness to participate in providing emergency medical care to children in conditions requiring urgent medical attention interventions

III. THE PLACE OF DISCIPLINE IN THE STRUCTURE OF EP VO

3.1. The academic discipline is basic (refers to the mandatory part);

IV. CONTENT AND STRUCTURE OF DISCIPLINE

Labor intensity of the discipline in z_2_ hour _72_

4.1. Sections of the discipline studied in the 12th semester

Section no. A	Section name	Number of hours					
		Total	Contact work				SRO*
			L	WITH	ETC	LR	
Semester 12							
1	Emergency children' surgery and orthopedics	2/72	12		32		28
	Form intermediate certification (test/test with assessment/exam)	Test					
	<i>Total for the discipline:</i>	2/72	12		32		28

* SRO - independent work of students

L- lectures

WITH– seminars (in disciplines in accordance with the standard and RUP)

LR –laboratory work (in disciplines in accordance with the curriculum)

ETC– practical classes (in disciplines in accordance with the curriculum, they include clinical practical classes)

4.2. Contact work

Lectures

No. section	No. lectures and	Lecture topics	Quantity hours
Semester 12			
1	1	Acute appendicitis in childhood	2
	2.	Congenital intestinal obstruction in children. Anorectal malformations. Hirschsprung's disease.	2
	3.	Acquired intestinal obstruction in children - intussusception, adhesive intestinal obstruction.	2
	4	Hematogenous osteomyelitis of newborns. Purulent-inflammatory diseases of soft tissues.	2
	5	OGDP in children	2
	6	Features of bone fractures in childhood	2
Total hours per semester			12
Total by discipline hours			12

Seminars, practical work

Section no. A	Seminar No., PR	Topics of seminars, practical work	Number of hours	Current control forms I
Semester 12				
1	1	Acute appendicitis in childhood	4	TR, TK, SZ survey
	2	Congenital intestinal obstruction. Anorectal malformations, Hirschsprung's disease.	4	TR, TK, SZ survey
	3	Acquired intestinal obstruction in children. Intussusception, adhesive intestinal obstruction	4	TR, TK, SZ survey
	4	Acute hematogenous osteomyelitis, suppurative diseases of soft tissues in newborns	4	TR, TK, SZ survey
	5	Acute purulent pneumodestruction in childhood	4	TR, TK, SZ survey
	6	Respiratory distress syndrome in newborns caused by developmental defects.	4	TR, TK, SZ survey
	7	Congenital and acquired orthopedic pathology in childhood.	4	TR, TK, SZ survey
	8	Features of bone fractures in childhood	4	TR, TK, SZ survey
Total hours per semester				32
Total by discipline hours				32

¹Forms of current control

1. Theoretical analysis of the topic (TR);
2. Solving situational problems (SZ);
3. Test control (TC)

4.3. Independent work of students

Section no. A	Type of independent work of students	Number of hours	Forms of current control
Semester 8			
1	Preparation for classes Writing an essay Preparation for current control	14 6 8	Report, abstract, survey
Total hours per semester		28	
Total by discipline hours		28	

List of abstract topics:

1. Single-row suture in abdominal anastomoses in children.
2. Modern the possibilities of early diagnosis of acute hematogenous osteomyelitis in children and effective treatment of patients.
3. Modern possibilities of treatment of acute hematogenous osteomyelitis in children.
4. Therapeutic tactics for closed injuries of parenchymal organs in children.
5. Ultrasonography as a screening diagnostic method in pediatric surgery.
6. The state of the hemostatic system in children with portal hypertension.
7. Diagnosis and treatment of acute hematogenous osteomyelitis in newborns.
8. Diagnosis and treatment of chronic constipation in children.
9. Differentiated approach to the choice of surgical tactics in children with Hirschsprung's disease.
10. Differentiated approach to surgical tactics in children with inguinal hernias.
11. Changes in hemostasis and the effectiveness of their correction in various forms of Hirschsprung's disease in children.
12. Follow-up of children who underwent correction of congenital malformation of the gastrointestinal tract during the neonatal period.
13. Cystic-focal liver damage in children: differential diagnosis and surgical treatment.

V. ASSESSMENT FUND FOR CURRENT CONTROL AND INTERMEDIATE CERTIFICATION

The fund of assessment tools for determining the level of development of competencies as a result of mastering the discipline is an appendix to the work program.

6.1. Main literature.

1. Pediatric surgery: textbook / ed. Yu.F. Isakova, A.Yu. Razumovsky. - Moscow: GEOTAR - MEDIA, 2015. - 1040 p. – Access from the EBS “Student Consultant”. – Text: electronic

- 70, ER

6.1.1. Additional literature.

1. Podkamenev V.V. Surgical diseases of childhood: textbook. benefit for honey. universities / V.V. Podkamenev. - Moscow: Medicine, 2005. – 240 pp. – 3 copies.
2. Aleksandrovich Yu.S. Emergency pediatrics: textbook. allowance / Yu.S. Aleksandrovich, IN AND. Gordeev, K.V. Pshenisnov. – St. Petersburg: SpetsLit, 2010. – 568 pp. – 1 copy.
3. Purulent-inflammatory diseases of soft tissues and bones in children: Atlas / undered. A.F. Dronova, A.N. Smirnova. – Moscow: GEOTAR-Media, 2008. – 260 pp. – 2 copies.
4. X-ray diagnosis of scoliotic spinal deformities: textbook / comp.: M.V. Babaev, G.P. Volkov, A.I. Lukash. – Rostov-on-Don: Rostov State Medical University Publishing House, 2010. – 56 p.- Access from EB RostSMU.– 9, EC
5. Atlas of pediatric urology / T.N. Kulikova, P.V. Glybochko, D.A. Morozov and others - Moscow: GEOTAR-MEDIA, 2009. - 160 p. Access from EBS "Consultant"student" - Text: electronic - ER
6. Razin M.P. Pediatric urology-andrology: textbook. allowance / M.P. Razin, V.N.Galkin, N.K. Dry. - Moscow: GEOTAR-MEDIA, 2011. – 127 pp. – 3 copies.
7. Sazhin V.P., Endoscopic abdominal surgery - Moscow:GEOTAR-Media, 2010. -512 pp. – 1 copy.
8. Systemic bone diseases in children: educational method. manual for students of 5-6 years of PF / comp.: Yu.V. Lukash, M.V. Kovalev. - Rostov-on-Don: Rostov State Medical University Publishing House, 2011. – 21 p.- Access from EB RostSMU. – 5, EC
9. Tests on pediatric surgical diseases: for 5th-6th year students of the Faculty of Philosophy/ comp.: G.I. Chepurnoy, Yu.V. Lukash, M.G. Chepurnaya. - Rostov-on-Don: Rostov State Medical University Publishing House, 2013. – 45 p. - Access from EB RostSMU.– 3, EC
10. Chepurnoy G.I. Gastrointestinal bleeding in children: method. benefit for 6th year PF students, intern doctors / G.I. Chepurnoy, E.A. Stavskaya, M.G.Chepurnaya. - Rostov-on-Don: Publishing House of Rostov State Medical University, 2011. – 14 p. - Access from EB RostSMU. – 5, EC
11. Practical skills in pediatric surgery and orthopedics for 4th year PF students: method. recommendations/compiler: G.I. Chepurnoy, I.L. Kuznetsov, M.G. Chepurnaya. -Rostov-on-Don: Publishing house of Rostov State Medical University, 2011. – 13 p. - Access from EB RostGMU–5, EK

12. Situational tasks in pediatric surgery and orthopedics: method. allowance for students 5th and 6th year students, interns of medical universities: / compiled by: G.I. Chepurnoy, E.A. Stavskaya, I.L. Kuznetsov [and others] - Rostov-on-Don: Rostov State Medical University Publishing House, 2010. – 28 p. - Access from RostSMU Electronic Library. – 5, EC

13. Test control in pediatric surgery and orthopedics: for 6th year PF students: method. recommendations / compilation: G.I. Chepurnaya. - Rostov-on-Don: Publishing house Rostov State Medical University, 2010.– 20 s. - Access from EB RostSMU. – 5, EC

14. Situational tasks in pediatric surgery and orthopedics: method. benefit for 5th and 6th year students, interns of medical universities / compiled by: G.I. Chepurnoy, E.A. Stavskaya, I.L. Kuznetsov [and others] - Rostov-on-Don: Rostov State Medical University Publishing House, 2010. - 28 p. -Access from EB RostSMU. – 5, EC

6.2. Internet resources

	ELECTRONIC EDUCATIONAL RESOURCES	Access to the resource
	Electronic library RostSMU. – URL: http://109.195.230.156:9080/opac/	Unlimited access
	Student Advisor [Kits: "Medicine. Healthcare. IN"; "Medicine. Healthcare. SPO"; "Psychological Sciences"]: Electronic library system. – Moscow: LLC "Polytekhresurs" - URL: https://www.studentlibrary.ru + opportunities for inclusive education	Unlimited access
	Doctor's consultant. Electronic medical library: Electronic library system. – Moscow: LLC "Higher School of Organization and Management of Healthcare. Comprehensive medical consulting." - URL: http://www.rosmedlib.ru + opportunities for inclusive education	Unlimited access
	Scientific electronic library eLIBRARY. - URL: http://elibrary.ru	Open access
	National Electronic Library. - URL: http://neb.rf/	Access from library computers
	Springer Nature database. - URL: https://link.springer.com/ via IP addresses of RostSMU and remotely after registration, remotely via RFBR CIAS https://kias.rfbr.ru/reg/index.php (National project)	Unlimited access
	Wiley Online Library / John Wiley & Sons. - URL: http://onlinelibrary.wiley.com By IP addresses RostSMU Andremotely after registration (National Project)	Access limited
	Wiley. Full-text collection of electronic journals Medical Sciences Journal Backfile: archive. – URL: https://onlinelibrary.wiley.com/ by IP addresses of RostSMU and remotely after registration (National Project)	Lifetime subscription
	Sage Publication: [full text collection of eBooks Collections]. – URL: https://sk.sagepub.com/books/discipline by IP addresses RostSMU (National project)	Lifetime subscription

<p>Ovid Technologies: [Full-text archived collection of Lippincott Williams and Wilkins Archive Journals]. – URL:https://ovidsp.ovid.com/autologin.cgi by IP addresses of RostSMU (National project)</p>	<p>Lifetime subscription</p>
<p>Questel basedata Orbit Premium edition : patent search database http://www.orbit.com/ by IP addresses of RostSMU (National project)</p>	<p>Access limited</p>
<p>Wiley: official site; section "Open Access" / John Wiley & Sons. – URL: https://authorservices.wiley.com/open-research/open-access/browse-journals.html</p>	<p>Open access content</p>
<p>Russian education. Single window of access: federal portal. - URL:http://www.edu.ru/. – New educational environment.</p>	<p>Open access</p>
<p>Federal Center for Electronic Educational Resources. - URL:http://srtv.fcior.edu.ru/</p>	<p>Open access</p>
<p>Electronic Library of the Russian Foundation for Basic Research (RFBR). - URL:http://www.rfbr.ru/rffi/ru/library</p>	<p>Open access</p>
<p>Federal Electronic Medical Library of the Ministry of Health Russia. - URL:https://femb.ru/femb/</p>	<p>Open access</p>
<p>Cochrane Library: official website ; "Open Access" section. - URL: https://cochranelibrary.com/about/open-access</p>	<p>Open access content</p>
<p>Cochrane Russia : Russian department Cochranecooperation / RMANPO. – URL:https://russia.cochrane.org/</p>	<p>Open access content</p>
<p>Webmedinfo.ru: website [open information and educational medical resource]. - Moscow. - URL:https://webmedinfo.ru/</p>	<p>Open access</p>
<p>Univadis from Medscape: international honey. portal. - URL: https://www.univadis.com/ [Regularly updated base unique information and educational medical resources].</p>	<p>free registration</p>
<p>Med-Edu.ru: medical educational video portal. - URL: http://www.med-edu.ru/. Free registration.</p>	<p>Open access</p>
<p>Doctor's world: professional portal [information resource for doctors and students]. - URL:https://mirvracha.ru.</p>	<p>free registration</p>
<p>DoctorSPB.ru: information-reference portal about medicine [for students and doctors]. - URL:http://doctorspb.ru/</p>	<p>Open access</p>
<p>BEARWEST : Russian doctor portal [library, database knowledge]. - URL:https://medvestnik.ru</p>	<p>Open access</p>
<p>PubMed: electronic search engine [for biomedical research National center biotechnological information (NCBI, USA)]. - URL:https://pubmed.ncbi.nlm.nih.gov/</p>	<p>Open access</p>
<p>Cyberleninka Open Science Hub: open scientific electronic library of publications in foreign languages. – URL:https://cyberleninka.org/</p>	<p>Open access content</p>
<p>Scientific heritage of Russia: eelectronic library /MSC RAS. - URL:http://www.e-heritage.ru/</p>	<p>Open access</p>
<p>KOOb.ru : electronic library books By medical psychology. - URL:http://www.koob.ru/medical_psychology/</p>	<p>Open access</p>

Presidential Library : website. - URL: https://www.prlib.ru/collections	Open access
SAGE Openaccess :Open Access Resources / Sage Publications. – URL: https://uk.sagepub.com/en-gb/eur/open-access-at-sage	Open access content
EBSCO & Open Access :open access resources. – URL: https://www.ebsco.com/open-access	Open access content
Lvrach.ru :honey. scientific-practical portal [largest prof. resource for doctors and medical community, created on the basis of scientific and practical. magazine "Attending Physician"]. - URL: https://www.lvrach.ru/	Open access
ScienceDirect :official website; section "Open Access" / Elsevier.-URL: https://www.elsevier.com/open-access/open-access-journals	Open access content
Taylor & Francis. Dove Medical Press. Open access journals : magazines open access. – URL: https://www.tandfonline.com/openaccess/dove	Open access content
Taylor & Francis. Open access books :open access books. – URL: https://www.routledge.com/our-products/open-access-books/taylor-francis-oa-books	Open access content
Thieme. Open access journals :open access journals / Thieme Medical Publishing Group. – URL: https://open.thieme.com/home	Open access content
Karger Open Access :open access journals / S. Karger AG. – URL: https://www.karger.com/OpenAccess/AllJournals/Index	Open access content
Archive scientific magazines / NP NEICON. - URL: https://arch.neicon.ru/xmlui/	Open access
Russian doctor : website [news for doctors and medical archive. magazines] / Publishing House "Russian Doctor". - URL: https://rusvrach.ru/	Open access
Directory of Open Access Journals : [full-text journals from 121 countries peace,V incl. in medicine, biology, chemistry]. -URL : http://www.doaj.org/	Open access
Free Medical Journals . - URL: http://freemedicaljournals.com	Open access
Free Medical Books . - URL: http://www.freebooks4doctors.com	Open access
International Scientific Publications . – URL: http://www.scientific-publications.net/ru/	Open access
Eco-Vector : portal of scientific journals/Russian IT platform GC "ECO-Vector". - URL: http://journals.eco-vector.com/	Open access
Medline.Ru : scientific biomedical journal : online electronic edition. - URL: http://www.medline.ru	Open access
Medical Bulletin of the South of Russia : electron. magazine / RostSMU. - URL: http://www.medicalherald.ru/jour	Open access
Herald urology ("Urology Herald") : electron. magazine / RostSMU. – URL: https://www.urovest.ru/jour	Open access

Categories clinical recommendations of the Russian Ministry of Health. - URL: https://cr.minzdrav.gov.ru/	Open access
FBUZ "Information and Methodological Center" of Rospotrebnadzor:	Open
official website. – URL: https://www.crc.ru	access
Ministry of Health of the Russian Federation: official website. - URL: https://minzdrav.gov.ru	Open access
Federal Service for Supervision in the field of healthcare: official website. - URL: https://roszdravnadzor.gov.ru/	Open access
World Health Organization: official website. - URL: http://who.int/ru/	Open access
Ministry Sciences And higher education Russian Federation: official website. - URL: http://minobrnauki.gov.ru/ (Yandex search engine)	Open access
Modern problems of science and education: electron. magazine. Network edition. - URL: http://www.science-education.ru/ru/issue/index	Open access
Dictionaries And encyclopedias on Academician. - URL: http://dic.academic.ru/	Open access
Official Internet portal of legal information. - URL: http://pravo.gov.ru/	Open access

6.3. Guidelines for students on mastering the discipline

Guidelines for mastering the discipline

Studying the discipline should culminate in mastering the necessary professional knowledge, skills and abilities. This result can be achieved only after very significant efforts, and not only effort and ability will be important, but also a well-thought-out organization of educational activities, including the correct organization of time.

First of all, it is necessary in a timely manner - at the very beginning of the semester - to familiarize yourself with this work program, which indicates how much information should be learned, what skills to acquire to successfully master the discipline, what tasks to complete in order to get a decent grade. All types of classes are distributed throughout the semester systematically, taking into account the necessary time expenditure.

One of the main components of successful mastery of the discipline is regular attendance at lectures and practical classes.

At the lecture, the teacher informs students about new achievements in medical science, about the main provisions of the academic discipline, reveals the features of each specific topic, and introduces the problems in this section of science; orients in the sequence of development of theories, views, ideas, explains basic scientific concepts, reveals the meaning of terms - that is, educational information has already been processed by the teacher and becomes more adapted and easier for students to understand.

The development of practical skills and abilities takes place in practical classes, where students have the opportunity to apply the knowledge they have already acquired in practice, to practice practical skills and abilities.

You should prepare for a practical lesson in advance, having an idea of the course and requirements of each lesson. During practical classes, you can directly contact the teacher in case of difficulties in understanding some questions on the topics being studied.

An important part of a student's work is reading and taking notes of scientific papers and preparing abstracts. Note-taking work should be done after first studying the practical lesson plans, section topics, and interview questions.

A systematic approach to the study of a subject 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 an in-depth study of such materials

will allow the student to confidently “recognize” and then independently operate with scientific categories and concepts, therefore, to master professional scientific terminology.

Independent work of students includes performing various kinds of tasks that are focused on a deeper assimilation of the material of the discipline being studied. For each topic of the academic discipline, students are offered a list of tasks for independent work. The following requirements apply to completing assignments for independent work: assignments must be completed independently and submitted within the established deadline, as well as meet the established formatting requirements.

When preparing for the exam, it is necessary to simultaneously study the relevant theoretical and practical sections of the discipline.

The recommendations given above will allow you to complete all assignments in a timely manner, obtain the necessary professional skills and abilities, as well as a decent grade, and avoid the need to waste time on retraining and retaking the subject.

Methodological recommendations and criteria for evaluating an abstract

Abstract– a short record of the 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.

Types of abstracts

According to the completeness of the presentation	Informative (abstracts).
	Indicative (abstracts-summaries).
By the number of referenced sources	Monographic.
	Overview.

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 (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 that reflect their content.

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

Criteria and indicators used when assessing an educational essay

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

Essay evaluation

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

- 86 – 100 points – “excellent”;
- 70 – 75 points – “good”;
- 51 – 69 points – “satisfactory”;
- less than 51 points – “unsatisfactory”.

When evaluating an abstract in the “passed” - “failure” system, “passed” is given for an abstract from 51 points.

VII. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE

7.1. Educational and laboratory equipment.

- Study rooms.
- Wards for patients.
- Operating block.
- Dressing room.
- Treatment room.
- Plaster room.

7.2. Technical and electronic means.

- Personal Computer
- Sets slides, tables/multimedia visual materials
Byvarious sections of the discipline.
- Video films.
Situational tasks, test tasks on the topics being studied