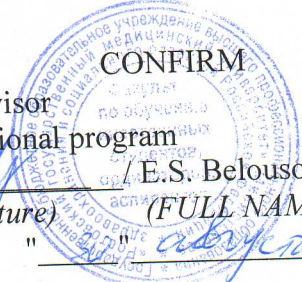


FEDERAL STATE BUDGET EDUCATIONAL INSTITUTION  
OF HIGHER EDUCATION  
"ROSTOV STATE MEDICAL UNIVERSITY"  
MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION

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

 CONFIRM  
Supervisor  
educational program  
/ E.S. Belousova /  
(signature) (FULL NAME.)  
" *август* 20\_ *23*

**DISCIPLINE WORKING PROGRAM**  
**TOPOGRAPHIC ANATOMY AND OPERATIVE SURGERY**

Speciality 31.05.01 General medicine

Form of education full-time

## I. GOALS AND OBJECTIVES OF MASTERING THE DISCIPLINE

**Target** mastering the academic discipline "Topographic anatomy and surgical Surgery" consists of anatomical and surgical training of students, necessary for subsequent studies at clinical departments and for independent medical practice.

### Tasks:

- students' acquisition of knowledge of topographic anatomy of areas and organs and systems, paying special attention to clinically important anatomical and functional features of childhood.
- developing in students the ability to apply the acquired topographical anatomical knowledge to substantiate the diagnosis, explain the peculiarities of the course of pathological processes, and solve diagnostic and surgical problems.
- students mastering elementary operational actions and some standard surgical techniques.
- 

## II. REQUIREMENTS FOR THE RESULTS OF MASTERING THE DISCIPLINE

The process of studying the discipline is aimed at developing the following competencies in the graduate:

ability to assess morphofunctional, physiological states and pathological processes in the human body to solve professional problems (GPC-4).

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

2.1. Academic discipline is basic

2.2. The formation of the above competencies is facilitated by the study of the following previous disciplines:

- in the cycle of humanitarian, social and economic disciplines, including: philosophy, bioethics, psychology and pedagogy, history of medicine, Latin;
- in the cycle of mathematical and natural science disciplines, including: physics and mathematics; medical informatics; chemistry; biology; biochemistry; normal anatomy; normal physiology; microbiology, virology; immunology;
- in the cycle of professional disciplines, including: propaedeutics of internal diseases; general surgery, life safety, disaster medicine.

2.3. The discipline "Topographic Anatomy and Operative Surgery" creates the prerequisites for the formation of these competencies by the disciplines:

- pathological anatomy, clinical pathological anatomy; medical rehabilitation; neurology, medical genetics, neurosurgery; otorhinolaryngology; ophthalmology; forensic Medicine; obstetrics and gynecology; pediatrics; propaedeutics of internal diseases, radiation diagnostics; faculty therapy, occupational diseases; hospital therapy, endocrinology; phthisiology; outpatient therapy; general surgery, radiation diagnostics; anesthesiology, resuscitation, intensive care; faculty surgery, urology; hospital surgery, pediatric surgery; dentistry; oncology, radiation therapy; traumatology, orthopedics.

**IV. CONTENT AND STRUCTURE OF DISCIPLINE Labor  
intensity of the discipline in 35\_ hour180**

**4.1. Sections of the discipline studied in 5-6 semesters**

No. section	Section name	Number of hours			
		Total	Contact Job		SRS*
			L	ETC	
Semester 5					
1	General issues topographic anatomy and operative surgery	8	1	2	5
2	Topographic anatomy and operative surgery limbs	25	5	14	6
3	Topographic anatomy and operative surgery heads	eleven	2	4	5
4	Topographic anatomy and operative surgery neck	12	2	4	6
5	Topographic anatomy and operative surgery breasts	16	2	8	6
	Total for the semester	72	12	32	28
	Intermediate form certification	test			
Semester 6					
6	Topographic anatomy and operative surgery belly	64	12	36	16
7	Topographic anatomy and operative surgery pelvis and crotch.	44	4	12	28
8	Topographic anatomy and operative surgery spine	-	-	-	-
	Total for the semester	108	16	48	44
	Intermediate form certification	test with grade			
	<i>Total for the discipline:</i>	180	28	80	72

\* **SRS**- independent work of students **L**-lectures

**ETC**– practical classes (in disciplines in accordance with the curriculum, in includes clinical practical training)

#### 4.2. Contact work

##### Lectures

No. section	No. lectures	Lecture topics	Qty hours
Semester5			
2	1	Fundamentals of topographic anatomy and operative surgery. Topographic anatomy of the upper and lower extremities.	2
2	2	Operations on blood vessels, nerves, tendons and purulent diseases of the extremities.	2
2	3	Amputations, disarticulations, operations on bones and joints. Topographic-anatomical rationale for operations on the chest wall and organs of the thoracic cavity	2
3	4	Topographic anatomy of the head	2
4	5	Topographic anatomy of the neck	2
4	6	Head and neck surgeries	2
Total hours per semester			12
Semester6			
6	7	Topographic anatomy of the anterolateral abdominal wall	2
6	8	External abdominal hernias and their surgical treatment	2
6	9	Topographic anatomy of the abdominal cavity. Laparotomy.	2
6	10	Topographic anatomy of the small and large intestine. Intestinal suture. Operations on the small and large intestine	2
6	eleven	Topographic-anatomical rationale for gastric surgery	2
6	12	Topographic-anatomical rationale for operations on parenchymal organs and bile ducts	2
6	13	Topographic and anatomical rationale for operations on the kidneys and ureters	2
7	14	Surgical anatomy of the pelvis. Surgeries on the pelvic organs	2
Total hours per semester			16
<i>Total by discipline hours</i>			<i>28</i>

##### Practical work

No. section	No. ETC	Topics of practical work	Qty hours	Forms current control
Semester5				
1	1	Fundamentals of topographic anatomy and operative surgery. General surgical technique. Surgical instruments. Separation and connection of tissues.	2	Original testing Interview
2	2	Topographic anatomy of the shoulder girdle, upper arm, shoulder and elbow joints	2	Survey, testing

No. section	No. ETC	Topics of practical work	Qty hours	Forms current control
2	3	Topographic anatomy of the forearm and hand	2	Survey, testing
2	4	Topographic anatomy of the gluteal region, thigh and hip joint	2	Survey, testing
2	5	Topographic anatomy of the knee, knee joint, anterior surface of the lower leg and posterior surface of the lower leg, foot, ankle joint	2	Survey, testing
2	6	Operations on bones and joints and for purulent diseases of the extremities	2	Survey, testing
2	7	Operations on blood vessels, nerves and tendons	2	Survey, testing
2	8	Amputations and disarticulations	2	Survey, testing
3	9	Topographic anatomy of the brain part of the head	2	Survey, testing
3	10	Topographic anatomy of the facial part of the head Surgeries on the head	2	Survey, testing
4	eleven	Topographic anatomy of the neck	2	Survey, testing
4	12	Neck surgeries	2	Survey, testing
5	13	Topographic anatomy of the chest wall	2	Survey
5	14	Topographic anatomy of the thoracic cavity	2	Survey, testing
	15	Operations on the chest wall, pleura and lungs	2	Survey
5	16	Operative surgery of the mediastinum	2	Survey, testing
		Total hours per semester	32	
Semester 6				
6	7	1 Topographic anatomy of the lateral part of the anterior abdominal wall.	3	Survey
6	8	1 Topographic anatomy of the medial part of the anterior abdominal wall. Laparotomy. Puncture	3	Survey, testing
6		1 External abdominal hernia	3	Survey
6	0	2 Surgical treatment of external abdominal hernias.	3	Survey, testing
6		2 Topographic anatomy of the abdominal cavity	3	Survey
6	2	2 Topographic anatomy of the small and large intestine. Intestinal suture	3	Survey
6		2 Operations on the small and large intestine	3	Survey
6		2 Topographic anatomy and gastric surgery	3	Survey
6	5	2 Topographical anatomy parenchymal organs and bile ducts.	3	Survey

No. section	No. ETC	Topics of practical work	Qty hours	Forms current control
6	2 6	Operations on parenchymal organs And biliary tract	3	Survey, testing
6	2 7	Topographic anatomy of the lumbar region and retroperitoneum	3	Survey
6	2 8	Surgical surgery of the lumbar region and retroperitoneum	3	Survey, testing
7	2	Topographic anatomy of the pelvis	3	Survey
7	3	Topographic anatomy of the perineum	3	Survey
7	3 1	Operative surgery of the pelvis and perineum	6	Survey, testing
		Total hours per semester	48	
		<i>Total hours discipline:</i>	80	

#### 4.3. Independent work of students

No. section	Type of independent work of students	Qty hours	Shapes of the current control
Semester 5			
1	Preparation for classes, preparation for current control	4	Survey
2	Preparation for classes, preparation for current control	5	Survey, testing
3	Preparation for classes, preparation for current control	5	Survey, testing
4	Preparation for classes, preparation for current control	5	Survey, testing
5	Preparation for classes, preparation for current control	5	Survey, testing
	Total hours per semester	28	
Semester 6			
6	Preparation for classes, preparation for current control	16	Survey, testing
7	Preparation for classes, essay, preparation for current control	18	Survey, testing, abstract evaluation
8	Preparation for classes, preparation for current control	10	Survey, testing
	Total hours per semester	44	
	<i>Total hours discipline:</i>	72	

## **V. ASSESSMENT FUND FOR CURRENT CONTROL, 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.

## **VI. EDUCATIONAL AND METHODOLOGICAL SUPPORT OF DISCIPLINE**

### **6.1. Main literature.**

1. Topographic anatomy and operative surgery: volume 1.: textbook: [rec. UMO] for university students / V.I. Sergienko, E.A. Petrosyan, I.V. Frautschi; edited by Yu.M. Lopukhina. - 3rd ed., rev. – M.: GEOTAR-Media, 2010. – 831 p.
2. Topographic anatomy and operative surgery: volume 2: textbook: [rec. UMO] for university students / V.I. Sergienko, E.A. Petrosyan, I.V. Frautschi; edited by Yu.M. Lopukhina. - 3rd ed., rev. – M.: GEOTAR-Media, 2010. – 589 p.
3. Operative surgery and topographic anatomy: a textbook for medical students: [rec. UMO] for university students / G.E. Ostroverkhov, Yu.M. Bomash, D.N. Lubotsky. - ed. 5th, rev. – M.: MIA, 2013. – 734 p.

### **6.2. Additional literature.**

1. Topographic anatomy and operative surgery: a textbook for honey. universities / A.V. Nikolaev. – M.: GEOTAR-Media, 2007. - 784 p.
2. Topographic anatomy and operative surgery: a textbook for university students / A.V. Nikolaev. - 3rd ed., rev. and additional – M.: GEOTAR-Media, 2015. - 735 p.
3. Operative surgery and topographic anatomy: [Electronic resource] textbook for students of medical universities / O.P. Bolshakov, G.M. Semenov. -electron. data (1 file) 2nd ed. - St. Petersburg: Peter, 2012. - 960 p.
4. Operative surgery: textbook. manual on manual skills for university students / O.P. Bolshakov, A.A. Vorobyov, I.I. Kagan [idr.]; edited by A.A. Vorobyova, I.I. Kagan. – M.: GEOTAR-Media, 2015. - 687 p.

### **6.3. List of periodicals (archive):**

ENDOSCOPIC SURGERY SURGERY. MAGAZINE  
named after. N.I. PIROGOV MEDICAL BULLETIN  
OF THE SOUTH OF RUSSIA BULLETIN OF  
SURGERY named after. I.I. GREKOVA ANNALS OF  
SURGERY

## 6.4 List of Internet resources

List of Internet resources on **2023-2024** academic year

*The RPD should indicate only those Internet resources that will be used in the process of studying the discipline!*

	<b>ELECTRONIC EDUCATIONAL RESOURCES</b>	<b>Access to the resource</b>
	<b>Electronic library RostGMU.</b> – URL: <a href="http://109.195.230.156:9080/opacq/">http://109.195.230.156:9080/opacq/</a>	Access is not limited
	<b>Student Advisor</b> [Sets: "Medicine. Healthcare. VO"; "Medicine. Healthcare. SPO"; "Psychological Sciences"]: Electronic library system. – Moscow: Politekhresurs LLC. – URL: <a href="https://www.studentlibrary.ru">https://www.studentlibrary.ru</a> + opportunities for inclusive education	Access is not limited
	<b>Consultant doctor. Electronic medical library:</b> Electronic library system. – Moscow: LLC "Higher School of Organization and Management of Healthcare. Comprehensive medical consulting." – URL: <a href="http://www.rosmedlib.ru">http://www.rosmedlib.ru</a> + opportunities for inclusive education	Access is not limited
	<b>Scientific electronic library eLIBRARY.</b> – URL: <a href="http://elibrary.ru">http://elibrary.ru</a>	Open access
	<b>National Electronic Library.</b> – URL: <a href="http://neb.rf/">http://neb.rf/</a>	Access from computers libraries
	<b>DB publishing houses SpringerNature.</b> – URL: <a href="https://link.springer.com/">https://link.springer.com/</a> via IP addresses of RostSMU and remotely after registration, remotely through KIASRFFI <a href="https://kias.rfbr.ru/reg/index.php">https://kias.rfbr.ru/reg/index.php</a> (National project)	Access is not limited
	<b>WileyOnlineLibrary</b> / JohnWiley&Sons. – URL: <a href="http://onlinelibrary.wiley.com">http://onlinelibrary.wiley.com</a> By IP addresses of RostSMU and remotely after registration (National project)	Access limited
	<b>Wiley. Full text collection electronic magazines MedicalSciencesJournalBackfile</b> :archive. – URL: <a href="https://onlinelibrary.wiley.com">https://onlinelibrary.wiley.com</a> via IP addresses of RostGMU and remotely after registration (National project)	Indefinite subscription
	<b>SagePublication</b> :[full-text collection of e-books eBookCollections]. URL: <a href="https://sk.sagepub.com/books/discipline">https://sk.sagepub.com/books/discipline</a> by IP addresses RostSMU (National project)	Indefinite subscription
	<b>OvidTechnologies:</b> [Full-text archived collection of LippincottWilliamsandWilkinsArchiveJournals]. – URL: <a href="https://ovidsp.ovid.com/autologin.cqj">https://ovidsp.ovid.com/autologin.cqj</a> by IP addresses RostSMU (National project)	Indefinite subscription
	<b>Questel database OrbitPremiumedition:</b> patent database search <a href="http://www.orbit.com/">http://www.orbit.com/</a> by IP addresses of RostSMU (National project)	Access limited
	<b>Wiley:</b> official website; chapter "Open Access" / John Wiley & Sons. – URL: <a href="https://authorservices.wiley.com/open-research/open-">https://authorservices.wiley.com/open-research/open-</a>	Content open



	<a href="http://access/browse-journals.html">access/browse-journals.html</a>	access
	<b>Russian education. Single window of access:</b> federal portal.-URL: <a href="http://www.edu.ru/">http://www.edu.ru/</a> . – New educational environment.	Open access
	<b>Federal Center for Electronic Educational Resources.</b> - URL: <a href="http://srtv.fcior.edu.ru/">http://srtv.fcior.edu.ru/</a>	Open access
	<b>Electronic Library of the Russian Foundation for Basic Research(RFBR).</b> -URL: <a href="http://www.rfbr.ru/rffi/ru/library">http://www.rfbr.ru/rffi/ru/library</a>	Open access
	<b>Federal Electronic Medical Library of the Russian Ministry of Health.</b> - URL: <a href="https://femb.ru/femb/">https://femb.ru/femb/</a>	Open access
	<b>Cochrane Library:</b> official website; section "OpenAccess". - URL: <a href="https://cochranelibrary.com/about/open-access">https://cochranelibrary.com/about/open-access</a>	Content open access
	<b>Webmedinfo.ru:</b> website [open information and educational medical resource]. - Moscow. - URL: <a href="https://webmedinfo.ru/">https://webmedinfo.ru/</a>	Open access
	<b>UnivadisfromMedscape:</b> international portal. - URL: <a href="https://www.univadis.com/">https://www.univadis.com/</a> [Regularly updated unique information and educational medical resources].	Free registration
	<b>Med-Edu.ru:</b> medical educational video portal. -URL: <a href="http://www.med-edu.ru/">http://www.med-edu.ru/</a> .Free registration.	Open access
	<b>Doctor's world:</b> professional portal [information resource for doctors and students]. - URL: <a href="https://mirvracha.ru">https://mirvracha.ru</a> .	Free registration
	<b>DoctorSPB.ru:</b> information-reference portal about medicine [for students and doctors]. - URL: <a href="http://doctorspb.ru/">http://doctorspb.ru/</a>	Open access
	<b>BEARWEST :</b> Russian doctor portal [library, knowledge base]. - URL: <a href="https://medvestnik.ru">https://medvestnik.ru</a>	Open access
	<b>PubMed:</b> electronic search engine [on biomedical research of the National Center for Biotechnology Information (NCBI, USA)]. - URL: <a href="https://pubmed.ncbi.nlm.nih.gov/">https://pubmed.ncbi.nlm.nih.gov/</a>	Open access
	<b>CyberleninkaOpenScienceHub:</b> open scientific electronic library of publications in foreign languages. – URL: <a href="https://cyberleninka.org/">https://cyberleninka.org/</a>	Content open that access
	<b>Presidential Library:</b> website. - URL: <a href="https://www.prilib.ru/collections">https://www.prilib.ru/collections</a>	Open access
	<b>SAGE Openaccess:</b> open access resources / Sage Publications. – URL: <a href="https://uk.sagepub.com/en-gb/eur/open-access-at-sage">https://uk.sagepub.com/en-gb/eur/open-access-at-sage</a>	Content open that access
	<b>EBSCO&amp;OpenAccess:</b> resources <a href="https://www.ebsco.com/open-access">https://www.ebsco.com/open-access</a> open access. – URL: <a href="https://www.ebsco.com/open-access">www.ebsco.com/open-access</a>	Content open that access
	<b>Lvrach.ru:</b> honey. scientific-practical portal [largest prof. resource for doctors and medical community, created on the basis of scientific and practical. magazine "Attending Physician"]. - URL: <a href="https://www.lvrach.ru/">https://www.lvrach.ru/</a>	Open access
	<b>ScienceDirect:</b> official website; "Open Access" section/Elsevier. - URL: <a href="https://www.elsevier.com/open-access/open-access-journals">https://www.elsevier.com/open-access/open-access-journals</a>	Content open access
	<b>Taylor &amp; Francis. Dove Medical Press. Openaccessjournals:</b> open logs access. – URL: <a href="https://www.tandfonline.com/openaccess/dove">https://www.tandfonline.com/openaccess/dove</a>	Content open access
	<b>Taylor &amp; Francis. Open access books:</b> open access books. – URL: <a href="https://www.routledge.com/our-products/open-access-books/taylor-francis-oa-books">https://www.routledge.com/our-products/open-access-books/taylor-francis-oa-books</a>	Content open access

	<b>Thieme. Open access journals:</b> open access journals/Thieme Medical Publishing Group. –URL: <a href="https://open.thieme.com/home">https://open.thieme.com/home</a>	Content open that access
	<b>KargerOpenAccess:</b> open access journals/S. Karger AG. – URL: <a href="https://www.karger.com/OpenAccess/AllJournals/Index">https://www.karger.com/OpenAccess/AllJournals/Index</a>	Content open that access
	<b>Archive scientific magazines /NP NEICON.</b> - URL: <a href="https://arch.neicon.ru/xmlui/">https://arch.neicon.ru/xmlui/</a>	Open access
	<b>Russian doctor:</b> website[news for doctors and medical archive. magazines]/ Publishing House "Russian Doctor". - URL: <a href="https://rusvrach.ru/">https://rusvrach.ru/</a>	Open access
	<b>DirectoryofOpenAccessJournals:</b> [full-text journals from 121 countries, incl. in medicine, biology, chemistry]. - URL: <a href="http://www.doaj.org/">http://www.doaj.org/</a>	Open access
	<a href="http://freemedicaljournals.com">Free Medical Journals.</a> - URL: <a href="http://freemedicaljournals.com">http://freemedicaljournals.com</a>	Open access
	<a href="http://www.freebooks4doctors.com">FreeMedical Books.</a> - URL: <a href="http://www.freebooks4doctors.com">http://www.freebooks4doctors.com</a>	Open access
	<a href="http://www.scientific-publications.net/ru/">International Scientific Publications.</a> - URL: <a href="http://www.scientific-publications.net/ru/">http://www.scientific-publications.net/ru/</a>	Open access
	<b>Eco-Vector:</b> portal of scientific journals/IT platform of the Russian group of companies "ECO-Vector". - URL: <a href="http://journals.eco-vector.com/">http://journals.eco-vector.com/</a>	Open access
	<b>Medline.Ru:</b> scientific biomedical journal : online electronic publication. - URL: <a href="http://www.medline.ru">http://www.medline.ru</a>	Open access
	<b>Medical Bulletin of the South of Russia:</b> electron. magazine/RostSMU. - URL: <a href="http://www.medicalherald.ru/jour">http://www.medicalherald.ru/jour</a>	Open access
	<b>Journal of Urology</b> ("UrologyHerald"):electron. magazine / RostSMU. – URL: <a href="https://www.urovest.ru/jour">https://www.urovest.ru/jour</a>	Open access
	<b>Categories</b> clinical recommendations of the Russian Ministry of Health. -URL: <a href="https://cr.minzdrav.gov.ru/">https://cr.minzdrav.gov.ru/</a>	Open access
	<b>Ministry of Health of the Russian Federation:</b> official website. - URL: <a href="https://minzdrav.gov.ru">https://minzdrav.gov.ru</a>	Open access
	<b>Ministry of Science and Higher Education</b> Russian Federation: official website. - URL: <a href="http://minobrnauki.gov.ru/(search_engine_Yandex_system)">http://minobrnauki.gov.ru/(search engine Yandex system)</a>	Open access
	<b>Modern problems of science and education:</b> electron. magazine. Network publication.- URL: <a href="http://www.science-education.ru/ru/issue/index">http://www.science-education.ru/ru/issue/index</a>	Open access
	<b>Dictionaries And encyclopedias on Academician.</b> - URL: <a href="http://dic.academic.ru/">http://dic.academic.ru/</a>	Open access
	<b>Other open resources You you can find By address:</b> <a href="http://rostgmu.ru">http://rostgmu.ru</a> →Library→Electronic catalogue→Open Internet resources→further by keyword...	

## 6.5.Information help systems

Consultant Plus [Electronic resource]: reference. legal system. – Access mode <http://www.consultant.ru/>

## 6.6. Guidelines for students on mastering the discipline

Training consists of classroom lessons, including lectures and practical exercises, and independent work. The main educational time is allocated to practical work on the study of specific, particular sections of operative surgery and topographic anatomy (clinical anatomy of specific areas and organs, technique for performing the main stages of the operation). When studying the academic discipline "Topographic Anatomy and Operative Surgery" it is necessary to master practical skills:

1. Use general and special surgical instruments
2. Master the technique of layer-by-layer tissue dissection, making incisions in the skin, fascia, muscle, and parietal peritoneum.
3. Master the methods of layer-by-layer connection of tissues, apply sutures to the skin, aponeurosis, muscles, and parietal peritoneum.
4. Tie simple and surgical knots
5. Master the technique of removing skin sutures.
6. Perform various methods of temporarily and permanently stopping bleeding.
7. Master the technique of suturing a blood vessel.
8. Master the technique of suturing the tendon.
9. Suture the wound of the stomach, small and large intestine.
10. Suture the wound of parenchymal organs using hemostatic sutures. Practical classes are conducted in the form of an interview with a teacher, demonstration of general operational techniques and the use of visual aids, solving situational problems, and answering test tasks.

In accordance with the requirements, active and interactive forms of conducting classes (lectures, solving situational problems, practicing practical skills) are widely used in the educational process. The share of classes conducted in interactive forms is at least (15%) of classroom classes.

Independent work of students involves preparing for classes, current and intermediate control, completing essays and includes working with textbooks, teaching aids, and mastering practical skills.

Working with educational literature is considered as a type of educational work in the discipline "Topographic Anatomy and Operative Surgery" and is performed within the hours allocated for its study (in the SRS section).

Each student is provided with access to the University's library collections.

*Methodological recommendations and criteria for evaluating an abstract*

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) textual presentation of the material, divided into questions and sub-questions (points, sub-paragraphs) 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 teacher based on the indicators and criteria for assessing the abstract established by the department.

For each section of the academic discipline "Topographic anatomy and operative surgery" methodological recommendations have been developed for students:

1. Kivva A.N. Clinical aspects of topographic anatomy of the shoulder joint: [rec. UMO] studies. manual for students of medical universities / A.N. Kivva. - Rostov n/d.;, 2014. – 59 p.
2. Kivva A.N. Clinical anatomy of the elbow joint: [rec. UMO] textbook. manual for students of medical universities / A.N. Kivva, Yu.V. Good. - Rostov n/d.;, 2014. – 124 p.
3. Kivva A.N. A textbook for practical classes on topographic anatomy and operative surgery for pediatric students. fact / A.N. Kivva, Yu.V. Khoronko, O.P. Chernenko. - Rostov n/d: Publishing house RostGMU, 2014. – 102 p.
4. Kivva A.N. Tests on topographic anatomy and operative surgery: a textbook. Rostov n/d: Publishing house RostGMU, 2016. – 110 p.

5. Kivva A.N. A textbook for self-preparation of pediatric faculty students for practical classes on topographic anatomy of the lower extremities Rostov-on-Don. 2016.P.91.
6. Kivva A.N. Topographic anatomy of the lumbar region; methodological recommendations for students. / A.N. Kivva, Yu.S. Skorikova. - Rostov n/d., 2008.P.24.
7. Chubovsky A.I. Technique of application and application of various types of intestinal suture Educational manual./ Chubovsky A.I., Khoronko Yu.V.-Rostov-on-Don, 2016.- 67 p.

## **VII. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE**

### **7.1. Educational and laboratory equipment.**

During the study of the subject, 6 classrooms and two lecture halls are used. The department has a variety of stands, models of the structure of individual topographic-anatomical areas, demonstration and everyday sets of surgical instruments, and anatomical preparations shared with the Department of Operative Surgery of the Faculty of Pedagogical Education and Teaching Staff. Cadaveric material is used for practical training.

### **7.2. Technical and electronic means.**

One of the lecture halls is equipped with a multimedia presentation complex (interactive multimedia AV speaker complex "Basis-2" interactive projector EIKI LC-XIP2610)

. The department also has a mobile multimedia complex (computer, projector, screen). Two classrooms are equipped with LCD wall panels for displaying electronic content. There are videos on operative surgery, a set of tables and multimedia lecture presentations, and test assignments on the topics being studied.