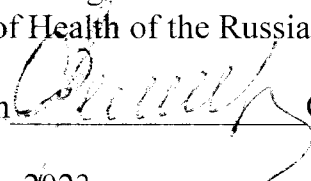


№ Stom-21 number

Federal State Budgetary Educational Institution  
higher education  
NORTH OSSETIAN STATE MEDICAL ACADEMY  
Ministry of Health of the Russian Federation

APPROVED

by the Rector of the SOGMA  
Federal State Budgetary Educational  
Institution of Higher Education of the  
Ministry of Health of the Russian

Federation  O. V.  
Remizov

" 24 " May 2023

## WORKING PROGRAM OF THE DISCIPLINE

### "GENERAL SURGERY"

main professional educational programs of higher education – specialty programs in  
specialty специальности 31.05.03 Dentistry,  
approved on 24.05.2023.

Form of study \_\_\_\_\_ full-time \_\_\_\_\_

Term of development of OPOP \_\_\_\_\_ HE 5 \_\_\_\_\_

Department of Surgical Diseases No. 1

Vladikavkaz, 2023

When developing the work program of the discipline, the following principles are used:

1. Federal State Educational Standard for higher Education in the specialty 31.05.03 Dentistry, approved by the Ministry of Education and Science of the Russian Federation on August 12, 2020 No. 984
2. Curriculum of OPOP HE specialty 31.05.03 Dentistry (STOM-21-01-21, STOM-21-02-22, STOM-21-03-23) approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Professional Education (SOGMA) of the Ministry of Health of the Russian Federation on May 24, 2023, Protocol No. 8

The working program of the discipline was approved at the meeting of the Department of hir. diseases No. 1 dated May 22, 2023, Protocol No. 10

The working program of the discipline was approved at the meeting of the central coordinating educational and methodological council of May 23, 2023, Protocol No. 5.

The work program of the discipline was approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Education of the Russian Academy of Medical Sciences on May 24, 2023. Protocol No. 8

Developers:

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Professor

Totikov V. Z.

Professor

Department of Department of Surgery

FSBO HE ChSU

Aishkhanov S. K.

## **Content of the work program**

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1. name of the discipline;
2. list of planned results of training in the discipline, correlated with the planned results of mastering the educational program;
3. indication of the place of the discipline in the structure of the educational program;
4. the scope of the discipline in credit units with an indication of the number of academic or astronomical hour allocated for contact work of students with the teacher (by type of training sessions) and for independent work of students;
5. the content of the discipline is structured according to topics (sections) with an indication of the number of academic or astronomical hours allocated to them and the types of training sessions;
6. list of educational and methodological support for independent work of students in the discipline;
7. fund of assessment funds for conducting intermediate certification of students in the discipline;
8. list of basic and additional educational literature required for mastering the discipline;
9. list of resources of the Internet information and telecommunications network (hereinafter referred to as the "Internet" network) required for mastering the discipline;
10. methodological guidelines for students on mastering the discipline;
11. list of information technologies used in the implementation of the educational process in the discipline, including a list of software and information reference systems (if necessary);
12. description of the material and technical base necessary for the implementation of the educational process in the discipline.
13. conducting educational activities using e-learning and distance learning technologies.

№ п/п a	Competence number/ index	Content of the competence (or parts of it)	Topic of the lesson (section)	Achievement indicators competent cies	Development results		
					To know	be able to	own
1	2	3	4	5	6	7	8
1	OPK-6	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional problems.	Asepsis. Antiseptic	ID-1 OPK-6 be able to conduct effective, safe therapy based on the clinical recommendations of the Ministry of Health of the Russian Federation.	Methods of preparation of instruments and dressings for sterilization-hot and cold, types of laying of dressings, methods of treatment of the surgeon's hands, treatment of the operating field, types of antiseptics.	Prepare the instruments and dressings for sterilization, prepare and place the hands before the operation, apply different types of antiseptics.	Methods of preparing instruments and dressings for surgery, preparing the patient for planned and emergency interventions, know the methods of antiseptics and their rational combination
2	OPK-5	Able to conduct an examination of the patient in order to establish a diagnosis when solving professional	Bleeding and stopping the bleeding. Blood transfusion. Donation.	ID-1 OPK-5 Master the algorithm of clinical examination of the patient.  ID-2 OPK-5 Be able to draw up a plan for laboratory and instrumental diagnostics.  ID-3 OPK-5 Master the algorithm of	Classification, methods of stopping bleeding, compensatory reactions of the body in acute blood loss. Adaptive reactions of the body in case of massive blood loss. Methods of final stopping of bleeding. Teaching about blood groups	Methods of temporary and final stopping of bleeding. Provide first aid for external bleeding. Apply a hemostatic to urniquet, determine blood types and Rh factor, perform blood type tests and compatibility tests. Determine post-	Possess methods for temporarily stopping external bleeding.  The technique of determining blood groups and the technique of determining biological samples.  Prevent post-haemotransfusion complications.



		problems	clinical, laboratory and functional diagnostics in solving professional problems.	and Rh factor. Mechanism of action of transfused blood, complications of blood transfusion. Assessment of the suitability of blood for transfusion.	hemotransfusion complications.	Making a decision on the subsequent medical tactics.	
3	OPK-6	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional problems.	The doctrine of pain. Pain relief. Inhalation anesthesia. Non-inhalation anesthesia.	ID-1 OPK-6 be able to conduct effective, safe therapy based on the clinical recommendations of the Ministry of Health of the Russian Federation.	The physiology of pain. Stages of anesthesia, inhaled and non-inhaled anesthesia. Classification of anesthetics. Anatomical and physiological features of the structure of various organs and tissues. Prevention of surgical diseases	Evaluate the stages and levels of anesthesia, complications, and prevention. Perform local anesthesia and intravenous anesthesia. Prevent complications of anesthesia.	Techniques for performing local anesthesia and intravenous anesthesia. Provide first aid for complications of anesthesia.  Making a decision on the subsequent medical tactics.
4	OPK-5	Able to conduct an examination of the patient in order to establish a diagnosis when solving professional	Wounds, treatment of wounds.	ID-1 OPK-5 Master the algorithm of clinical examination of the patient.  ID-2 OPK-5 Be able to draw up a plan for laboratory and instrumental diagnostics.	Classification of wounds, the course of the wound process. Physiology of wound healing. Clinic of various types of wounds. Principles of treatment of purulent wounds. Possible	Diagnose different types of wounds. Evaluate wound complications, treat purulent and clean wounds. Perform primary surgical treatment of wounds.	Provide emergency care for wounds. Methods of temporary stopping of bleeding from wounds. Methods of treatment of purulent wounds and primary surgical treatment of wounds (PHO). Providing first aid and deciding on

			all problems			complications of wounds.	and treat identified surgical diseases, and provide emergency care for acute conditions, provide first aid for penetrating wounds of the body cavities.	subsequent medical tactics for blunt and penetrating injuries. By applying bandages.
5	OPK-5	Able to conduct an examination of the patient in order to establish a diagnosis when solving professional problems	Desmurgja. Fractures, dislocations.	ID-1 OPK-5 Master the algorithm of clinical examination of the patient.  ID-2 OPK-5 Be able to draw up a plan for laboratory and instrumental diagnostics.  ID-3 OPK-5 Master the algorithm of clinical, laboratory and functional diagnostics in solving professional problems.  ID-4 OPK-5 Be able to evaluate the results of clinical, laboratory and functional	Classification and clinic of fractures. Possible complications of fractures. Combined and combined fractures and complications from internal organs. Stages of rehabilitation of patients.  Prevention of surgical diseases.	Evaluate the type of fracture and possible complications. Provide first aid and transport immobilization of limbs.  Carry out prevention and treatment of identified surgical diseases, applying bandages to various areas of the body,	Provision of primary pre-medical care, reduction of dislocations. Immobilization of the limbs and the technique of applying plaster bandages. Methods of post-traumatic rehabilitation of patients.  General principles of treatment of the diagnosed disease.	



6	OPK-5	Able to conduct an examination of the patient in order to establish a diagnosis when solving professional problems	Thermal damage. Burns and frostbite. Urgent conditions.	<p>diagnostics in solving professional problems.</p> <p>ID-1 OPK-5 Master the algorithm of clinical examination of the patient.</p> <p>ID-2 OPK-5 Be able to draw up a plan for laboratory and instrumental diagnostics.</p> <p>ID-3 OPK-5 Master the algorithm of clinical, laboratory and functional diagnostics in solving professional problems.</p> <p>ID-4 OPK-5 Be able to evaluate the results of clinical, laboratory and functional diagnostics in solving professional problems.</p>	<p>Classification of burns and frostbite, causes of their occurrence. Possible complications of thermal lesions. Pathogenesis and clinic of burn disease. Classification of terminal conditions, the clinic of certain types of terminal conditions, and the causes of their development.</p> <p>Clinical, diagnostic and therapeutic injuries of various organs.</p>	<p>Diagnose the extent of burns and frostbite. Provide first aid. Assess the condition of patients with burn disease and provide first aid. Diagnose an emergency clinic. Provide emergency care for acute conditions, provide first aid for penetrating wounds of the body cavities, with various types of burns.</p>	<p>Diagnosis of the degree of burns and frostbite. Provide first aid. Diagnostics and providing first aid to patients in emergency situations. Elimination of airway obstruction. Perform indoor massage and artificial ventilation of the lungs.</p> <p>Providing first aid and deciding on subsequent medical tactics for inflammation, burns, blunt and penetrating injuries.</p> <p>By applying bandages.</p>	
7	OPK-5	Able to conduct an examination of the patient in order to establish a diagnosis when solving professional problems	Surgical infection. Sepsis.	<p>diagnostics in solving professional problems.</p> <p>ID-1 OPK-5 Master the algorithm of clinical examination of the patient.</p> <p>ID-2 OPK-5 Be able to draw up a plan for laboratory and instrumental diagnostics.</p>	<p>Clinical manifestations of surgical diseases of infectious nature, methods of laboratory and instrumental diagnostics, principles of treatment, prevention</p>	<p>To investigate the objective status of a surgical patient, diagnose the most common surgical diseases and carry out their prevention, the ability to recognize the disease caused by anaerobic</p>	<p>Making a preliminary diagnosis of common surgical diseases and injuries. To identify the connection of the general pathological process in the patient's body with the disease of the affected organ (tissue), give medical</p>	

	professional problems		ID-3 OPK-5 Master the algorithm of clinical, laboratory and functional diagnostics in solving professional problems.  ID-4 OPK-5 Be able to evaluate the results of clinical, laboratory and functional diagnostics in solving professional problems.	of the occurrence of the disease.	microorganisms and the treatment features of these patients, specific surgical infection and methods of its treatment. tick box.	recommendations.  Making a decision on the subsequent medical tactics.  General principles of treatment of the diagnosed disease.
8	OPK-5  Able to conduct an examination of the patient in order to establish a	Tumors.  Developmental anomalies.  Violation of lymph and blood	ID-1 OPK-5 Master the algorithm of clinical examination of the patient.  ID-2 OPK-5 Be able to draw up a plan for	Classification of tumors, developmental anomalies, and types and causes of lymphatic and circulatory	Evaluate the benign and malignant growth of tumors. Principles of tumor diagnosis and its complications. Diagn	Diagnostics of benign formations. Assessment of the degree of development of a malignant tumor and possible complications. Assessme

	diagnosis when solving professional problems	circulation	laboratory and instrumental diagnostics.  ID-3 OPK-5 Master the algorithm of clinical, laboratory and functional diagnostics in solving professional problems.  ID-4 OPK-5 Be able to evaluate the results of clinical, laboratory and functional diagnostics in solving professional problems.	disorders. Differences between malignant and benign tumors.	use the clinic and origin of various developmental anomalies and disorders of lymph and blood circulation.	nt of the clinic and degree of lymphatic and circulatory disorders. Provide emergency first aid.
9	OPK-5  Able to conduct an examination of the patient in order to establish a diagnosis when solving professional problems	Surgical operation. Pre-and postoperative period.	ID-1 OPK-5 Master the algorithm of clinical examination of the patient.  ID-2 OPK-5 Be able to draw up a plan for laboratory and instrumental diagnostics.  ID-3 OPK-5 Master the algorithm of clinical, laboratory and functional diagnostics in solving professional problems.  ID-4 OPK-5 Be able	Types and indications for surgery, distinguish between indications for urgent and planned operations.  Anatomical and physiological features of the structure of various organs and tissues. The main stages of the operation, dangers and complications.	Evaluate the urgency and indications for surgery. Be able to understand the principles of preparing patients for various operations  Performing basic medical and diagnostic manipulations.	Techniques of preoperative preparation of patients, preparation of the operating field. Preparing the intestines, transporting patients from the wards to the operating room and back. Methods of preventing early postoperative complications.  Making a decision on the subsequent medical tactics.  General principles of treatment of various surgical diseases.





## 2. Place of the discipline in the structure of the educational program

The discipline "General Surgery" is a mandatory part of Block 1 Federal State Educational Standard for Higher Education specialty 31.05.03 Dentistry.

## 2. Scope of the discipline

№n/a	Type of work	Total credit units	Total hours	Term	
				5	6
				Number of hours	
1	2	3	4	5	
1.	<b>Students ' contact work with the teacher (total), including::</b>	-	74	50	24
2.	Lectures (L)	-	16	10	6
3.	Clinical practice sessions (PPS)	-	58	40	18
4.	Seminars (C)		-		
5.	Laboratory work (LR)				
6.	<b>Independent work of the student (SRS)</b>	-	34	22	12
7.	<b>Type of intermediate form attestations</b>	Set-off (S)	+	+	+
		Exam (E)	-		
9.	<b>TOTAL: Total</b>	<b>hours</b>	<b>108</b>	<b>72</b>	<b>36</b>
	<b>labor intensity</b>	<b>ZET</b>	<b>3</b>	<b>2</b>	<b>1</b>

## 2. Content of the discipline

№ n/a	№ semesters	Name of the topic (section) of the	Types of educational	Current performance
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		discipline	activities (in hours)					monitoring forms
			L	LF	PZ	SRS	in total	
1	2	3	4	5	6	7	8	9
1.	5	To a water activity			2		2	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
2.	5	Asepsis (part I)	2		2	2	6	
3.	5	Asepsis (part II)			2		2	
4.	5	Antiseptics	2		4	2	8	
5.	5	Bleeding and stopping of bleeding	2		2	2	6	
6.	5	Blood transfusion			2	2	4	
7.	5	Donation and other sources of blood for transfusion. Preservation and storage of blood.			2		2	
8.	5	The doctrine of pain. Pain relief. Inhalation anesthesia.	2		4	2	8	
9.	5	Non-inhalation anesthesia			2		2	
10.	5	Desmurgia			2	2	4	
11.	5	Open damage. Wounds.	2		2	2	6	
12.	5	Treatment of wounds.			2	2	4	
13.	5	Closed soft tissue injuries.			2		2	

14	5	Fractures of bones and dislocations of joints.			2	2	4
15	5	Transport immobilization.			2		2
16	5	Thermal damage. Frostbite, electrotrauma, atmospheric electric shock. First aid for injuries.			2	2	4
17	5	Urgent conditions.			4	2	6
18	6	General issues of surgical infection.	2		2	2	6
19	6	Aerobic infection.					
20	6	Certain types of purulent infection. Anaerobic infection.			2		2
21	6	Acute specific infection.					
22	6	General issues of oncology.	2		2	2	6
23	6	Lymphatic and cross-circulation disorders			2	2	4
24	6	Anomalies and malformations	2		2	2	6
25		Polyclinic service in the structure of surgical care for patients			2	2	4
26	6	Examination of surgical patients			2	2	4
27	6	Surgical operation. Pre- and postoperative period.			2		2



14	5	Fractures of bones and dislocations of joints.			2	2	4
15	5	Transport immobilization.			2		2
16	5	Thermal damage. Frostbite, electrotrauma, atmospheric electric shock. First aid for injuries.			2	2	4
17	5	Urgent conditions.			4	2	6
18	6	General issues of surgical infection.	2		2	2	6
19	6	Aerobic infection.					
20	6	Certain types of purulent infection. Anaerobic infection.			2		2
21	6	Acute specific infection.					
22	6	General issues of oncology.	2		2	2	6
23	6	Lymphatic and cross-circulation disorders			2	2	4
24	6	Anomalies and malformations	2		2	2	6
25		Polyclinic service in the structure of surgical care for patients			2	2	4
26	6	Examination of surgical patients			2	2	4
27	6	Surgical operation. Pre- and postoperative period.			2		2



28	6	Summing up the results of the year			2		2	Medical history, research papers.
<b>total:</b>			<b>16</b>		<b>58</b>	<b>34</b>	<b>108</b>	

#### 6. List of educational and methodological support for independent work of students in the discipline

<b>№ n/a</b>	<b>№ se m est er s</b>	<b>Name of the educational and methodical development</b>
1.	5,6	"Purulent surgery" training manual for students Head of the department Associate Professor Beslekoiev U. S. prof. Khutiev Ts. S. Associate Professor Vakhotsky V. V. Associate Professor Ardasenov T. B. ass Dzakhov V. R.; ass Kesaonov A. Kh.
2.		"Panaritias and phlegmons of the hand" prof A.V. Sazhin prof M. S. Alekseev
3.		"General issues of oncology" Associate Professor Beslekoiev U. S. prof. Khutiev Ts. S.
4.		"Fundamentals of damage surgery" Prof. Khestanov A. K. Ardasenov T. B.
5.		"MEDICAL HISTORY" head. Associate Professor Beslekoiev U. S. prof. Khutiev Ts. S. Associate Professor Vakhotsky V. V. Associate Professor Ardasenov T. B. ass Dzakhov V. R.; ass Kesaonov A. Kh.
6.		Acute appendicitis
7.		Complications of acute appendicitis
8.		Acute cholecystitis
9.		Acute pancreatitis
10.		Mechanical jaundice

11.	Abscess and gangrene of the lung
12.	Diseases of the rectum.
13.	Diseases of the breast.
14.	Pinched abdominal hernias.
15.	Purulent pleurisy
16.	Methodological recommendations for performing independent extracurricular work
17.	Methodological guide to practical training

**6. Fund of assessment funds for conducting intermediate certification of students in the discipline**

№ n/a	List of competencies	№ semesters	Indicator(s) ratings	Evaluation criterion(s)	Rating scale	Name Feedback FORM
1	2	3	4	5	6	7
1.	OPK-5 OPK-6 PC-1	5,6	see the Standard for evaluating the quality of education, approved by the Ministry of Education of the Russian Federation. By Order No. 264 / o of the Federal State Budgetary Educational Institution of Higher Education of SOGMA of the Ministry of Health of	see the Standard for evaluating the quality of education, approved by the Ministry of Education of the Russian Federation. By Order No. 264 / o of the Federal State Budgetary Educational Institution of Higher Education of SOGMA of the Ministry of Health of	see the Standard for evaluating the quality of education, approved by the Ministry of Education of the Russian Federation. By Order No. 264 / o of the Federal State Budgetary Educational Institution of Higher Education of SOGMA of the Ministry of Health of	Exam tickets for the test; Test tasks; Control tasks

			the Russian Federation dated 10.07.2018	the Russian Federation dated 10.07.2018	the Russian Federation dated 10.07.2018	
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**6. List of basic and additional educational literature required for mastering the discipline**

№ n/a	Name	Author (s)	Year and place of publication	Number of instances		EBS name/EBS link
				in the library	at the department	
1	2	3	4	5	6	7
<b>Basic literature</b>						
1.	General surgery. Tutorial with CD	Gostishev V. K.	Moscow: GEOTAR-Media,  2006,  2010,  2015.	176   10	3	"Student's consultant" <a href="http://www.studmedlib.ru/book/ISBN978597022816.html">http://www.studmedlib.ru/book/ISBN978597022816.html</a>
2.	General surgery. Textbook for universities with a CD-ROM	S. V. Petrov	Moscow: GEOTAR-Media,  2006,  2007,  2009,  2012,  2014.	98   97  6  4	3	"Student's consultant" <a href="http://www.studmedlib.ru/book/ISBN978598261190.html">http://www.studmedlib.ru/book/ISBN978598261190.html</a>
3.	Surgical diseases: textbook	edited by M. I. Kuzin	Moscow: GEOTAR-Media Publ. 2014	4	1	<a href="http://www.studmedlib.ru/book/ISBN978597033713.html">http://www.studmedlib.ru/book/ISBN978597033713.html</a>
4.	Surgical diseases:	edited by M. I.	Moscow: Meditsina			

	textbook	Kuzin	Publ., 2002, 2006, 2010	47  110  286		
5.	Surgical diseases: textbook: in 2 volumes.	N. V. Merzlikina et al.	Moscow: GEOTAR- Media Publ. 2012, 2015	Vol. 1. - 2		"Student's consultant" <a href="http://www.studmedlib.ru/book/ISBN978597034567.html">http://www.studmedlib.ru/book/ISBN978597034567.html</a>
6.	Surgical diseases: textbook: in 2 volumes.	N. V. Merzlikina et al.	Moscow: GEOTAR- Media Publ. 2012, 2015	Vol. 2. - 2		Student's consultant" <a href="http://www.studmedlib.ru/book/ISBN978597034574.html">http://www.studmedlib.ru/book/ISBN978597034574.html</a>
<b>Additional literature</b>						
7.	General surgery: a textbook in 2 volumes.	Rychagov G. P.  Harelik P. P.	Minsk:  Higher School, 20 08	Vol. 1- 1  Vol. 2. 1		
8.	Atlas of Outpatient Surgery	Edited by V. Thomas	Moscow: GEOTAR -Media Publ., 2009	1	1	
9.	General Surgery: a textbook	Edited by V. Ya. Zubarev	St. Petersbur g: SpetsLit Publ., 2004	6	1	
10.	Polyclinic surgery: a textbook.	Edited by V. Ya. Gorbunkov	Stavropol: StGMA Publ., 2011	10	1	
11.	Infections in Surgery: a guide for doctors	Gostischev V. K.	Moscow: GEOTAR -Media Publ., 2007	4	1	
12.	Surgical diseases: textbook	Edited by M. I. Kuzin	Moscow: Meditsina Publ.,	110	2	





			2006			
1	General Surgery Course Workshop	Edited by V. S. Zubarev	St. Petersburg : Foliant Publ., 2004.	1	2	
1	Preoperative period.  Preoperative assessment.  Preparing for elective surgery: a guide	Edited by V. V. Samoylenko	Moscow: GEOTAR -Media Publ., 2009			"Student's consultant" <a href="http://www.studmedlib.ru/book/ISBN978597013234.html">http://www.studmedlib.ru/book/ISBN978597013234.html</a>
1	80 lectures on surgery	Edited by S. V. Savelyev	Moscow: Litterra Publ., 2008			"Student's consultant" <a href="http://www.studmedlib.ru/book/ISBN978598261190.html">http://www.studmedlib.ru/book/ISBN978598261190.html</a>
1	Problems of classification, diagnosis and treatment of sepsis	Shmennikova S. A.	Infections and antimicrobial therapy, 2002	2		
1	Surgical diseases: textbook: in 2 volumes Vol. 1	edited by V. S. Savelyev	Moscow: GEOTAR-Media, 2005, 2006, 2014	54 18	1	"Student's consultant" <a href="http://www.studmedlib.ru/book/ISBN978597031306.html">http://www.studmedlib.ru/book/ISBN978597031306.html</a>
1	Surgical diseases: textbook: in 2 volumes Vol. 2	edited by V. S. Savelyev	Moscow: GEOTAR-Media, 2005, 2006, 2014	59 20	1	"Student's consultant" <a href="http://www.studmedlib.ru/book/ISBN978597031320.html">http://www.studmedlib.ru/book/ISBN978597031320.html</a>
1	Surgical diseases: a training manual	Under the editorship of A. I. Kiriyeenko et al.	Moscow: GEOTAR-Media Publ., 201	1	-	"Student's consultant" <a href="http://www.studmedlib.ru/book/ISBN978597020393.html">http://www.studmedlib.ru/book/ISBN978597020393.html</a>
2	Acute appendicitis: textbook.-method. self-service development		Vladikavkaz, 2007	96		

	works of 4th year students					
2	Acute cholecystitis: textbook.- method. guide	Comp.: V. Z. Totikov, A. S. Kibizova	Vladikavkaz, 2007	89		

**6. List of resources of the information and telecommunication network "Internet" required for mastering the discipline**

<http://www.studmedlib.ru/ru/book/ISBN9785970422816.html?SSr=4701339e70107a8eb7fa543biblsogma>

<http://www.studmedlib.ru/ru/book/ISBN9785970425749.html?SSr=4701339e70107a8eb7fa543biblsogma>

<http://www.studmedlib.ru/ru/book/ISBN9785970428887.html?SSr=4701339e70107a8eb7fa543biblsogma>

<http://www.studmedlib.ru/ru/book/06-COS-2356.html?SSr=4701339e70107a8eb7fa543biblsogma>

<http://www.studmedlib.ru/ru/book/ISBN9785970415382.html?SSr=4701339e70107a8eb7fa543biblsogma>

<http://www.studmedlib.ru/ru/book/ISBN9785970411131.html?SSr=4701339e70107a8eb7fa543biblsogma>

<http://www.studmedlib.ru/ru/book/ISBN9785970412503.html?SSr=4701339e70107a8eb7fa543biblsogma>

<http://www.studmedlib.ru/ru/book/ISBN9785970413234.html?SSr=4701339e70107a8eb7fa543biblsogma>

**6. Methodological guidelines for students on mastering the discipline**

- Training consists of contact work (74 hours), including a lecture course and practical exercises, and independent work (34 hours). The main academic time is allocated for practical work: students' acquisition of knowledge in the field of general surgery, mastering basic skills in surgery (practical skills), training students in skills that make it possible to diagnose and treat patients with acute and chronic surgical pathology, teaching students to recognize pathological changes in organs during examination of the patient, when determining the presence of a patient's of the severity of the course of the pathological process, teaching students the ability to identify signs, symptoms and syndromes of surgical diseases, teaching students the choice of optimal examination methods for surgical diseases and drawing up an algorithm for differential diagnosis; teaching students the choice of optimal pathogenetic treatment schemes for conditions requiring emergency surgical care,

Practical classes are conducted in the form of answers to tests, an oral survey, demonstration of video films on the topic being studied, use of visual aids, and solving situational problems. In accordance with the requirements of the Federal State Educational Standard for Higher Education, active and interactive forms of conducting classes

(videos, situational tasks, independent extracurricular work) are widely used in the educational process. The share of classes conducted in interactive forms is at least 20% of classroom classes.

Independent work of students involves preparing the formation of a systematic approach to the analysis of medical information, including the study of additional literature, work with medical documentation, and writing a medical history.

Each student is provided with access to the library collections of the Academy and the department. While studying the discipline, students are present at operations, participate in patient visits.

The student's work in a group creates a sense of teamwork and sociability.

#### 6. List of information technologies used in the implementation of the educational process in the discipline

Microsoft Office

PowerPoint;

Internet Explorer

#### 6. Description of the material and technical base necessary for the implementation of the educational process in the discipline

No n/a	Equipment name	Quantity	Technical condition
1	2	3	4
<b>Special equipment</b>			
	Use of wards.	6	the condition is good
	technical means:		
	Radiographs,	3	In use, current status
	CT scans,		out of stock
	Ultrasound images		out of stock
	Demo Monitor	1	the condition is good
	Laser pointer	1	the condition is good
	Set of surgical instruments	1	needs to be replaced
	Dummies	2	needs to be replaced
	Transport immobilization and medical ties	3	needs to be replaced



	harnesses, esmarch's mug		needs to be replaced
	bandages, gauze, cotton wool		needs to be replaced
	operating gowns and bed linen		out of stock
	Kits for determining the blood type according to the ABO system and Rh factor		out of stock
	Blood pressure monitors		out of stock
	phonendoscopes		out of stock
	trays	2	out of stock
	disposable syringes		out of stock
	laryngoscope	1	out of stock
	intubation tube	1	in udovl. current status
			out of stock
			needs to be replaced
			needs to be replaced
<b>Office equipment</b>			
	A laptop	3	The condition is good
	The projector	1	Needs to be replaced
	Photo camera	1	The condition is good
	Personal computer	1	The condition is good
	Personal computer	4	Needs to be replaced

### 13. Conducting educational activities using e-learning and distance learning technologies

In the context of the introduction of restrictive measures (quarantine) associated with an unfavorable epidemiological situation, the threat of the spread of a new coronavirus infection, and other force majeure events that do not allow conducting face-to-face training sessions, it is possible to study this discipline or part of it using e-learning and distance educational technologies.

Teaching the discipline in the situations described above will be carried out through the development of an electronic course with access to video lectures and interactive course materials: presentations, articles, additional materials, tests and various tasks. When conducting training sessions, current monitoring of academic performance as well as intermediate certification of students, platforms of the electronic information and educational environment of the academy and/or other e-learning systems recommended for use in the academy, such as Moodle, Zoom, Webinar, etc. can be used.

Lectures can be presented in the form of audio, video files, "live lectures" , etc.

Seminars and practical classes can be held on-line in both synchronous and asynchronous modes. Seminars can be in the form of web conferences