

EDUCATIONAL TRAINING PROGRAM OF DISCIPLINE "GENERAL SURGERY"

the main professional educational program of higher education - specialty program in the specialty 31.05.01 General Medicine, approved, May , 24, 2023

Form of education		Full	l-time	
The period of deve	lopment	6		
Department of	surgical	diseases No. 1		

When developing an educational training program, the discipline is based on:

- 1. Federal State Educational Standard of Higher Education on specialty 31.05.01 General Medicine, approved by the Ministry of Education and Science of the Russian Federation on February, 09, 2016 №95
- 2. Academic plan on specialty 31.05.01 General Medicine,

ЛД-16-04-18 ИН

ЛД-16-05-19 ИН

ЛД-16-06-20 ИН,

approved by the Scientific Council of the Federal State Budgetary Educational Institution of Higher Education «North-Ossetia State Medical Academy» of the Ministry of Healthcare of the Russian Federation "24" May 2023, Protocol № 8.

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

The educational training program of the discipline was approved by the Scientific Council of the State Medical University of the Federal State Budgetary Educational Institution of Higher Education «North-Ossetia State Medical Academy» of the Ministry of Healthcare of the Russian Federation from "24" May 2023, Protocol № 8.

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Content of the work program

- 1. Name of the discipline;
- 2. a 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 volume of the discipline in credit units with an indication of the number of academic or astronomical hours 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. the list of educational and methodological support for independent work of students in the discipline;
- 7. fund of assessment environments for conducting intermediate certification of students in the discipline;
- 8. a list of basic and additional educational literature required for mastering the discipline;
- 9. the list of resources of the information and telecommunication network "Internet "(hereinafter referred to as the "Internet" network) required for mastering the discipline;
- 10. methodological guidelines for students on mastering the discipline;
- 11. a 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.

2. The list of planned results of training in the discipline and the results of mastering the educational program:

p/	Compete	Content of the	As a result of st	udying the academ	ic discipline, stud	ents should::
no.	ncenumb er/ index	DISCIPLINE (or part of it)	Toknow	Beableto	Own	Evaluationt ools
1	2	3	4	5	6	7
1.	PC-5	Asepsis. Antiseptics.	Methods of research of surgical patients and their role in the modern clinic of surgical diseases (general examination of complaints and anamnesis, objective and instrumental studies, ultrasound scanning, X-ray diagnostics, laboratory research methods ,CT AND MRI scans	Conduct an external examination of the patient with a surgical profile O, form the medical history and outpatient card of the surgical patient.	Perform examination, medical history, palpation, percussion, and auscultation of the surgical patient. Interpretationof laboratoryresult s.	Oral survey, testing, writing, individual homework assignments, visual control of the teacher.
2.	PC-9	Bleeding and stopping the bleeding. Bloodtransfusion. Donation.	Methods of preparation of instruments andногоматери dressings for sterilization, typesof sterilization - dry and cold, types of laying of dressing material, methods of treatment of the surgeon's hands, treatment of the operating field,	Prepare theinstrumentsand dressing material for sterilization, prepare and place the dressing material, treat the hands before the operation, and apply various 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	Oral survey, testing, writing, individual homework assignments, visual control of the teacher.

			types of			1
			types of antiseptics.			
3.	PC-3	The doctrine of pain. Pain relief. Inhaledый anesthesia. Noninhalation anesthesia. Surgical operation. Pre-and postoperational period.	Clinical manifestations of surgical diseases of	To investigate the objective status of a surgical patient, to diagnose the most common surgical diseases and to carry out their prevention.	examination, medical history, palpation, percussion, and auscultation of the surgical patient.	
4.	PC-1,	Desmurgia. Fractures, dislocations.	Anatomical and physiological features of the structure of various organs and tissues. Principles of comprehensive assessment of the clinical picture, physical examination data and laboratory research methods in the diagnosis of surgical diseases, methods of their prevention and treatment.	Possess and know the methods of clinical examination of a surgical patient, palpation and percussion methods, and auscultation. Interpretation of the results of clinical and instrumental examinations. Performing basic medical and diagnostic manipulations.	Making a preliminary diagnosis of common diseases and injuries. Making a decision onthe following medical tactics. General principles of treatment of various surgical diseases.	Oral survey, testing, writing, individual homework assignments, visual control of the teacher.

5.	PC-6	Wounds, treatment	Anatomo	Possess and know	Makinga	Oral survey,
٥.	10-0	of wounds.	Anatomicaland	the methods of	preliminary	testing,
		Surgical infection.	physiological	clinical	diagnosisof	writing,
		_	features of the	examination of a	common	individual
		Sepsis.	structure of	surgical patient,		homework
			various organs	palpation and	•	assignments,
			and tissues.	percussion	diseases and	visual
			Principles of	methods, and	injuries.To	control of
			comprehensive	auscultation.	•	the teacher.
			assessment of	Interpretation of	connection of	the teacher.
			the clinical	the results of	the general	
			picture,	clinical and	pathologicalproc	
			physical	instrumental	ess in the	
			examination	examinations.	patient's body	
			data and	Performing basic	with the	
			laboratory	medical and	disease of the	
			research	diagnostic	affected organ	
			methods in the	manipulations. To	(tissue), give	
			diagnosis of	own methods of	medical	
			surgical	treatment of the	recommendation	
			diseases,	surgeon's hands	S.	
			methods of	and instruments,	Making a	
			their prevention	apply antiseptic	decision onthe	
			and treatment.	types separately	following	
			Preventionofsur	and in	medical tactics.	
			gicaldiseases.	combination, to	General	
				perform a test for	principles of	
				the determination	treatment of the	
				of blood group	diagnosed	
				and the	disease.	
				compatibility test,		
				the choice of a		
				rational method		
				of anesthesia, the		
				ability to provide		
				first aid,		
				application of		
				bandages in		
				different areas of		
				the body, the		
				ability to		
				recognize the		
				disease ,caused		
				by anaerobic		
				microonorganizm ami and treatment		
				data of patients, specific surgical		
				infection and		
				methods of its		
				treatment.		
6.	PC-10	Thermal damage.	Principles of	Conduct research	Providing first	Oral survey,
		Burns and	comprehensive	on a systematic		testing,
	ı			·	8	. <i>U</i> ,

	frostbite.	assessment of	basis, diagnose,	on subsequent	writing,
	Urgentconditions.	the clinical	prevent and treat	medical tactics	individual
		picture, data	identified surgical	for inflammation,	homework
		from physical	diseases,provide	burns, blunt and	assignments,
		examination	emergency care	penetrating	visual
		and	for acute	injuries.	control of
		instrumental, as	conditions,	Byapplyingbanda	the teacher.
		well as	оказыprovide	ges.	
		laboratory	first aid for		
		research	penetratingwound		
		methods in the	s of the body		
		diagnosis of	cavities, and for		
		surgical	various types of		
		diseases,	burns.		
		methods of			
		their treatment.			
		Clinical, diagno			
		sticandtherapeu			
		ticinjuriesofvar			
		iousorgans.			

3. Place of the discipline in the structure of the educational program

The discipline "general surgery" belongs to the basic part of the program of Block 1 of the Federal State Educational StandardMD Medical business. C theides of professional activity that underlie the teaching of this discipline:

- 1. medical;
- 2. organizationalandmanagerialsupport.
- 3. scientificandresearchorganization

4. Scopeofthediscipline

Typeofacademi	cwork	Totalhours/	Semesters		
		credits	5	6	
			hours	hours	
1		2	3	4	
Classroomactivities (total), includi	ing:	110	80	30	
Lectures(L)		26	20	6	
Practicalexercises (PZ),		84	60	24	
Seminars (C)					
Laboratorywork (LR)					
Independent work of the student (SRS),including:	34	28	6	
Medicalhistory (IS)					
Coursework (KR)					
Abstract (Ref)					
Calculation and graphic works (RG)	R)				
Preparingforclassm(PZ)					
Preparation for routine monitoring ((PTK))				
Preparation for interim control (AC	<i>C</i>))				
Typeofintermediatecertification	credit (3)				
1 y peointer mediatecer uncation	exam (E)	36-36	-	36	
TOTAL: Totallabor	intensityperhour.	180	108	72	
TOTAL: Totaliabor	Z	5	3	2	

5.Content ofthediscipline:

n/	n semestra	Name of the discipline section	Types of educational activities, including independent work of students (in hours)				Current performance monitoring forms (by semester week)	
			L	LR	PZ	SRS	total	
1	2	3	4	5	6	7	8	9
I.	5	Inwateractivity	2		2		4	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
2.	5	Asepsis (Part I)	2		4	2	8	Test tasks, situational tasks, independent homework, teacher's survey, visual control, research papers.
3.	5	Asepsis (Part II)			4		4	Test tasks, situational tasks, independent homework, teacher's survey, visual

							control, research papers.
4.	5	Antiseptics	2	4	2	8	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
5.	5	Bleeding and stopping of bleeding	2	4	2	8	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
6.	5	Bloodtransfusion	2	4	2	8	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
7.	5	Donation and other sources of blood for transfusion. Preservation and storage of blood.		4		4	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
8.	5	The doctrine of pain. Pain relief. Inhalationыйanesthesia.	2	4	2	8	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
9.	5	Non-inhalationanesthesia		4	2	6	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
10.	5	Desmurgia		4	2	6	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
11.	5	Opendamage. Rany.	2	4	2	8	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
12.	5	Treatmentofwounds.	2	4	2	8	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
13.	5	Closedsofttissueinjuries.	2	4	2	8	Test tasks, situational tasks, independent homework, teacher's survey, research papers.

14.	5	Fractures of bones and dislocations of joints.		2	2	4	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
15.	5	Transportimmobilization.		2	2	4	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
16.	5	Thermal damage. Frostbite, electrotrauma, atmospheric electric shock. Firstaidforinjuries.	2	4	2	8	Test tasks, visual control, and research papers.
17.	5	Urgentconditions.		2	2	4	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
18.	6	General questions of surgical infection.	2	2	2	6	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
19.6	6	Aerobicinfection.		2		2	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
20.	6	Certain types of purulent infection. Anaerobicinfection.		2		2	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
21.	6	Acutespecificinfection.		2		2	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
22.6	6	Surgicalsepsis.		2		2	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
23.6	6	Surgicaltuberculosis.		2		2	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
24.	6	Generalquestionsaboutncol ogistsand.	2	2	2	6	Test tasks, situational tasks, independent homework, teacher's

							survey, research papers.
25.	6	Disorders of limfo- icrovoobrasheniya		2		2	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
26.	6	Anomaliesandmalformatio ns	2	2		4	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
27		Polyclinic service in the structure of surgical care for patients		2		2	Test tasks, situational tasks, self-help homework, teacher's survey, research papers.
28.	6	Examinationofsurgicalpatie nts		2	2	4	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
29.6	6	Surgical operation. Pre-and post-operational period.		2		2	Test tasks, situational tasks, independent homework, teacher's survey, research papers.
30.	6	Summing up the results of the year, preparing for the exam				36	Medicalhistory, researchpapers.
		total	26	84	34	180	

${\bf 6. List of\ educational\ and\ methodological\ support for\ independent\ work\ of\ students\ in\ the\ discipline}$

n/p	semester	Name of educational and methodical development
		"Purulent surgery" training manual for students of the head of the Department.
1	5,6	ofDMTBeslekoev U. S. prof. KhutievTs. S. Associate Professor Vakhotsky V. V.
		Associate Professor Ardasenov T. B. assDzakhov V. R.; assKesaonov AKh
2	5,6	"Panaritia and phlegmons of the brush"προφProf.Sazhinprof M. S.Alekseev
3	5,6	"General issues of oncology"Associate ProfessorBeslekoev U. S. prof.KhutievTs. S.
4	5,6	"Fundamentals of damage surgery" Prof. Khestanov A. K. Ardasenov T. B.
		"MEDICAL HISTORY" Head of the Department. of DMTBeslekoev U. S. prof. KhutievTs.
5	5,6	S. Associate Professor Vakhotsky V. V. Associate Professor Ardasenov T. B. ass Dzakhov
		V. R.; assNaniev B. L

7. Evaluation EnvironmentFundforintermediate attestation of students in the discipline

No. /p	Listofcompe tencies	No semestra	Indicatorb(s) ratings	КритериEva luationcriteri aEvaluationc	Ratingscale	Name ofthefeedback
				riteria		
for m 1	2	3	4	5	6	7
1	GPC-4 PC-1 PC -3 PC-5 PC-6 PC-9 PC-10	5,6	cm. standard for assessing the quality of education, approved by the Ministry of Education of the Russian Federation. By Order Φof the Federal State Budgetary Educational Institution of Higher Education of SOGMA of the Ministry of Health of the Russian 1No. 2 64/o of the Federal State Budgetary Educational Institution of Higher Educational Institution of Higher Educational Institution of Higher Education SOGMA of the Ministry of Health of the Russian Federation SOGMA of the Ministry of Health of the Russian Federation No. 2 64/o dated 1 0.0 7.201864/o	7.2018. standard for assessing the quality of education, approved by the Ministry of Education of the Russian Federation. By Order Φof the Federal State Budgetary Educational Institution of Higher Education of SOGMA of the Ministry of Health of the Russian 1No. 2 64/o of the Federal State Budgetary Educational Institution of Higher Education of the Russian 1No. 2 64/o of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of the Russian Federation SOGMA of the Ministry of Health of the Russian Federation dated10.08Fe deration No. 2 64/o dated 1 0.0 7.201864/o	7.2018. standard for assessing the quality of education, approved by the Ministry of Education of the Russian Federation. By Order Φof the Federal State Budgetary Educational Institution of Higher Education of SOGMA of the Ministry of Health of the Russian 10.07.2018Fe deration No. 2 64/o dated 1 0.0 7.201864/o	Exam tickets for the test; Testtasks. Controltasks

8. List of basic and additional educational literature required for mastering the discipline

Mainliterature:

p/	Name	Author (s)	Year and place	Numberofcopies	
no.			of publication	in-	onkaphaedra
				thelibrar	

1	1	1			
				У	
1	2	3	4	7	8
1.	Общая хирургия. Учебник с	Гостищев В.К.	М.: ГЭОТАР-		3
	компакт-диском		Медиа,		
			2006,	176	
			2010,		
			2015.	10	
					ультант
					цента»
				_	w.studmedli
					/ISBN9785
				<u>970422</u>	<u> 1816.html</u>
2.	Общая хирургия. Учебник для	Петров С.В.	М.: ГЭОТАР-		3
	вузов с компакт-диском		Медиа,		
			2006,	98	
			2007,	97	
			2009,	6	
			2012,	4	
			2014.	T.0	
					сультант
					цента»
					w.studmedli
					/ISBN9785
				982161	190.html
	Руководство к практическим	Гостищев В. К.	М. : ГЭОТАР-	36	
	занятиям по общей хирургии		Медиа, 2006		
	:учебное пособие (на англ.яз.)				
		<u> </u>			

Additionalliterature:

p/	Name	Author (s)	Yearand place of	Numbe	erofcopies
no.			publication	intheli	atthedepa
				brary	rtment
1	2	3	4	7	8
1.	Общая хирургия: учебник в 2 т.	Рычагов Г.П.	Минск:	T.1-1	
		Гарелик П.П.	Высшая	T.2.1	
			школа,2008		
2.	Атлас амбулаторной хирургии	Ред. В. Томас	М.:ГЭОТАР-	1	1
			Медиа,2009		
3.	Общая хирургия:учебник	Ред. В.Я. Зубарев	СПб.:	6	1
			СпецЛит,2004		
4.	Поликлиническая хирургия:	Ред. В.Я. Горбунков	Ставрополь:	10	1
	учебное пособие.		СтГМА,2011		
5.	Инфекции в хирургии:	Гостищев В.К.	М.:ГЭОТАР-	4	1
	руководство для врачей		Медиа,2007		
	_				

6.	Хирургические болезни: учебник	Под ред. М.И. Кузина	М.: Медицина,2006	110	2
7.	Практикум по курсу общей хирургии	Ред. Зубарев В.С.	медицина,2006 СПб.: Фолиант,2004г.	1	2
8.	Предоперационный период. Предоперационная оценка. Подготовка к плановым хирургическим вмешательствам: руководство	Ред. В.В. Самойленко	Медиа,2009	студ http://v medlib SBN97	сультант цента» vww.stud ru/book/l 78597041 4.html
9.	80 лекций по хирургии		М.: Литтерра, 2008	студ http://v medlib. SBN97	сультант цента» vww.stud ru/book/l 78598216 0.html
10.	General surgery : the manual		M. : Geotar- Media, 2015	1	

9. The list of resources of the information and telecommunication network "Internet" required for mastering the discipline:

 $\underline{http://www.studmedlib.ru/ru/book/ISBN9785970422816.html?SSr=4701339e70107a8eb7fa543biblsogma}$

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

 $\underline{http://www.studmedlib.ru/ru/book/ISBN9785970428887.html?SSr=4701339e70107a8eb7fa543biblso\underline{gma}}$

 $\frac{http://www.studmedlib.ru/ru/book/06-COS-2356.html?SSr=4701339e70107a8eb7fa543biblsogma}{http://www.studmedlib.ru/ru/book/ISBN9785970415382.html?SSr=4701339e70107a8eb7fa543biblsogma}$

 $\underline{http://www.studmedlib.ru/ru/book/ISBN9785970411131.html?SSr=4701339e70107a8eb7fa543biblso\underline{gma}}$

 $\underline{http://www.studmedlib.ru/ru/book/ISBN9785970412503.html?SSr=4701339e70107a8eb7fa543biblsogma}$

 $\underline{http://www.studmedlib.ru/ru/book/ISBN9785970413234.html?SSr=4701339e70107a8eb7fa543biblso\underline{gma}}$

10. Methodological guidelines for students on mastering the discipline

- Thetraining consists of contact work (110hours), including a lecture course and practical exercises, and independent work (34 hours). Academic year identified is on the practical work students acquisition of knowledge in the field of General surgery, the development of basic skills in surgery (practical skills), teaching students the skills that allow diagnosis and treatment of patients with acute and chronic surgical pathology, teaching students the recognition of pathological changes in organs at survey of the patient, in determining the severity of the pathological process, the students

ability to identify the signs, symptoms and syndromesof surgical diseases teaching students the choice of optimal methodsof examination in surgical diseases and the construction of the algorithm of differential diagnosis; teaching students the choice of optimal schemes of pathogenetic treatment for conditions that require the emergency surgical care

Practical exercises wire. It is presented 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 BudgetBOBActive and interactive forms of conducting classes (videos, situational tasks, and 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, writing a medical history.

Each student is provided with access to the library collections of the Academy and the department. During the studyof 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.

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

Term	Occupation type L, PR, S,	Educational technologies used (active, interactive)	Numberofhours	% ofinteractiveclasses	Listofsoftware
5,6	L	Set of slides, videos for a traditional lecture	26		Microsoft Office PowerPoint; Internet Exploer
5,6	PZ	A set of questions and tasks for a practical task, a set of situational tasks for emergency situations, and a set of case histories for analyzing clinical cases.	84	20	Microsoft Office
5,6	With	Questions and tasks for independent work	34		Microsoft Office Internet Exploer

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

The material and technical base of the department is represented by

TechnicalSpecifications	
1. Study Room # 1	of department 12 sq.m
2. Study Room #2	.13 sq. m
3. Lab assistant's room	. 16 sq. m.
4. Lecture hall	126 sq. m
5. Corridor of the training section	. 22 sq. m
6. Cloakroom	. 2.5 sq. m
7. Corridor	. 20 sq. m
8. Study room #4	. 20 sq. m
9. Study room #3	. 18 sq. m
10. Office of the head.каф.	. 31 sq. m.

Materialand technical support of the discipline

- 1. Use of wards.
- 2. Technical means:

A laptop the condition is satisfactory
 The projector needs to be replaced

3. Thematic tables needs to be replaced

- 4.Photo camera
 - 5. Radiographs the condition is satisfactory
 - 6.CT scans out of stock

7. Ultrasound images out of stock

8. Demo monitor the condition is good 9.Personal computer the condition is good 10.Laser pointer needs to be replaced

11.Set of surgical instruments need to be replaced

12. Dummies need to be replaced 13. Transport immobilization tires

and medical condition is satisfactory

14. Harnesses, Esmarch rifle out of stock

15.bandages, gauze, cotton woolout of stock

16. Operating gowns and bed linen out of stock

17.Blood type detection kits

by ABO system and Rh factor not available

18.Blood pressure monitors out of stock

19. phonendoscopes out of stock

20. Trays 2 satisfactory condition 21. Disposable syringes are not available 22. Laryngoscope 2 needs to be replaced 23. The intubation tube 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 audioo-, video files, "live lectures", etc.

Seminars and practical classes can be held on-line, either synchronously or asynchronously. Seminars can be held in the form of webconferences.