

ЛД-21 ИН

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



APPROVED
Rector of FGBOU VO SOGMA
Ministry of Health of Russia

O.V. Remizov

«24» may 2023

THE WORKING PROGRAM OF THE DISCIPLINE

"GENERAL SURGERY" Discipline

main professional educational program of higher education - specialty program in the specialty
31.05.01 Medicine,
approved on 24.05.2023

Form of study _____ full-time _____

Term of mastering OBOP VO _____ 6 _____

Department _____

Vladikavkaz, 2023

When developing the work program of the discipline, the basis is based on:

1. Federal State Educational Standard of Higher Education in the specialty 31.05.01 Medicine, approved by the Ministry of Education and Science of the Russian Federation on «12» August 2020 No. 988
2. The curriculum of OBOP VO in the specialty 31.05.01 Medicine (ЛД-21-01-21 ИИ, ЛД-21-02-22 ИИ, ЛД-21-03-23 ИИ), approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia on 24 may 2022, Protocol No.8

The working program of the discipline was approved at a meeting of the Department of Surgical Diseases No. 1 22 may 2023, protocol No. 10

The work program of the discipline was approved at a meeting of the central coordinating educational and methodological council 23 may 2023 protocol No.5

The working program of the discipline was approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia 24 may 2023, protocol No. 8

Developers:
associate professor Beslekoev U.S.



professor of the department
Doctor of Medical Sciences, Professor Khutiev Ts.S.



Reviewers:
head of the department surgical diseases No. 2
professor Totikov V.Z.



Professor
Department of Faculty Surgery
FSBE VO ChSU S.K. Aiskhanov



Content of the work program

1. Name of the discipline;
2. a list of the planned learning outcomes in the discipline, correlated with the planned results of mastering the educational program;
3. an indication of the place of discipline in the structure of the educational program;
4. the amount of discipline in credit units, indicating the number of academic or astronomical hours allocated for contact work of students with a teacher (by type of training) and for independent work of students;
5. the content of the discipline, structured by topics (sections) with an indication of the number of academic or astronomical hours allocated for them and types of training;
6. a list of educational and methodological support for independent work of students in the discipline;
7. fund of assessment tools for intermediate certification of students in the discipline;
8. a list of basic and additional educational literature necessary for mastering the discipline;
9. a list of resources of the information and telecommunication network "Internet" (hereinafter - the "Internet" network), necessary for mastering the discipline;
10. methodological instructions for students on the development of 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 learning outcomes in the discipline and the results of mastering the educational program

P / p No.	Competency number / index	Content of competence (or part of it)	Topic of the lesson (section)	Competence achievement indicators	Development results		
					know	be able to	own
one	2	3	4	5	6	7	8
1.	OPK-5	Spasoben to assess morphological, functional, physiological conditions and pathological processes in the human body to solve professional problems.	Asepsis. Antiseptic.	ID-1 OPK-5 Owns the algorithm of clinical, laboratory and functional diagnostics in solving professional problems. ID-2 OPK-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional problems. ID-3 OPK-5 Determines the morphofunctional, physiological conditions and pathological processes of the human body.	Research methods of surgical patients and their role in the modern clinic of surgical diseases (general examination, study of complaints and anamnesis, objective and instrumental studies, ultrasound scanning, X-ray diagnostics, laboratory research methods, CT, MRI	Conduct an external examination of a patient with a surgical profile. Draw up a medical history and an outpatient card of a surgical patient.	Conduct examination, collection of anamnesis, palpation, percussion, auscultation of a surgical patient. Interpretation of laboratory test results.
2.	OPK-6	Spasoben to organize patient care, provide primary health care, ensure the organization of work and make professional decisions in case of emergency conditions at the	Bleeding and stopping bleeding. Blood transfusion. Donation.	ID-1 OPK-6 Knows how to organize patient care. ID-2 OPK-6 Owns the algorithm for the provision of primary health care in emergency conditions at the prehospital stage. ID-3 OPK-6 Owns the	Methods for preparing instruments and dressings for sterilization, types of sterilization -	Prepare instruments and dressings for sterilization, prepare and lay dressings, treat	Methods for preparing instruments and dressings for surgery, preparing the patient for

		prehospital stage, in emergency situations, epidemics and in outbreaks of mass destruction		algorithm for providing first aid in emergency situations. ID-4 OPK-6 Owns the algorithm for the provision of primary health care in case of epidemics.	hot and cold, types of laying dressings, methods for treating the surgeon's hands, treatment of the operating field, types of antiseptics.	hands before surgery, apply various types of antiseptics.	planned and emergency interventions, know antiseptic methods and their rational combination
3.	OPK-4	Able to use medical devices provided for by the procedure for the provision of medical care, as well as conduct examinations of the patient in order to establish a diagnosis	The teaching of pain. Anesthesia. Inhalation anesthesia. Non-inhalation anesthesia.	ID-1 OPK-4 Can draw up a plan for laboratory and instrumental diagnostics. ID-2 OPK-4 Owns the algorithm for the clinical examination of the patient. ID-3 OPK-4 Owns the algorithm for the use of medical devices, provided for by the procedure for the provision of medical care.	Clinical appearance of surgical diseases of an infectious nature, methods of laboratory and instrumental diagnostics, principles of treatment, prevention of the onset of the disease.	Investigate the objective status of a surgical patient, diagnose the most common surgical diseases and carry out their prevention.	Conduct examination, collection of anamnesis, palpation, percussion, auscultation of a surgical patient. Interpretation of laboratory research results, instrumental data, preventive measures for surgical diseases.
4.	OPK-6	Spasoben to organize patient care, provide primary health care, ensure the organization of work and make professional decisions in case of emergency conditions at the prehospital stage, in emergency situations, epidemics and in	Surgery. Pre - and postoperative period.	ID-1 OPK-6 Knows how to organize patient care. ID-2 OPK-6 Owns the algorithm for the provision of primary health care in emergency conditions at the prehospital stage. ID-3 OPK-6 Owns the algorithm for providing first aid in emergency situations.	Clinical appearance of surgical diseases of an infectious nature, methods of laboratory and instrumental diagnostics,	Investigate the objective status of a surgical patient, diagnose the most common surgical diseases and carry out their	Conduct examination, collection of anamnesis, palpation, percussion, auscultation of a surgical patient. Interpretation of laboratory

		outbreaks of mass destruction		ID-4 OPK-6 Owns the algorithm for the provision of primary health care in case of epidemics.	principles of treatment, prevention of the onset of the disease.	prevention.	research results, instrumental data, preventive measures for surgical diseases.
5.	OPK-6	Spasoben to organize patient care, provide primary health care, ensure the organization of work and make professional decisions in case of emergency conditions at the prehospital stage, in emergency situations, epidemics and in outbreaks of mass destruction	Desmurgy. Fractures, dislocations	ID-1 OPK-6 Knows how to organize patient care. ID-2 OPK-6 Owns the algorithm for the provision of primary health care in emergency conditions at the prehospital stage. ID-3 OPK-6 Owns the algorithm for providing first aid in emergency situations. ID-4 OPK-6 Owns the algorithm for the provision of primary health care in case of epidemics.	Anatomo physiological features of the structure of various organs and tissues. The principles of a 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, methods of palpation and percussion, auscultation. Interpretation of the results of clinical and instrumental examinations. Performing elementary medical and diagnostic manipulations.	Making a preliminary diagnosis of common diseases and injuries. Deciding on the subsequent medical tactics. General principles of treatment of various surgical diseases.
6.	OPK-6	Spasoben to organize patient care, provide primary health care, ensure the organization of work and make professional decisions in case of emergency conditions at the	Wounds, woundhealing.	ID-1 OPK-6 Knows how to organize patient care. ID-2 OPK-6 Owns the algorithm for the provision of primary health care in emergency conditions at the prehospital stage. ID-3 OPK-6 Owns the	Anatomo physiological features of the structure of various organs and tissues. The principles of a	Possess and know the methods of clinical examination of a surgical patient,	Making a preliminary diagnosis of common surgical diseases and injuries. By identifying the

		<p>prehospital stage, in emergency situations, epidemics and in outbreaks of mass destruction</p>		<p>algorithm for providing first aid in emergency situations. ID-4 OPK-6 Owns the algorithm for the provision of primary health care in case of epidemics.</p>	<p>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. Prevention of the occurrence of surgical diseases.</p>	<p>methods of palpation and percussion, auscultation. Interpretation of the results of clinical and instrumental examinations. Performing elementary medical and diagnostic manipulations. Own the techniques for treating the hands of the surgeon, instrumentation, apply the types of antiseptics separately and in combination, perform tests to determine the blood group and test for compatibility, the choice of a rational method of</p>	<p>connection between the general pathological process in the patient's body and the disease of the affected organ (tissue), give medical recommendations. Deciding on the subsequent medical tactics. General principles of treatment of a diagnosed disease.</p>
--	--	---	--	--	---	---	--

						<p>anesthesia, the ability to provide first aid, bandaging on various areas of the body, the ability to recognize the disease caused by anaerobic microorganisms and peculiarities of treatment of these patients, specific surgical infection and methods of its treatment.</p>	
7.	PC-1	<p>Providing medical care to the patient in urgent or emergency forms.</p>	<p>Thermal damage. Burns and frostbite. Emergency conditions.</p>	<p>ID-1 PC-1 Reveals clinical signs of conditions requiring emergency medical care ID-2 PC-1 Carries out measures to provide emergency medical care. ID-3 PC-1 Identifies conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and respiration. ID-4 Pk-1 Performs basic cardiopulmonary resuscitation in</p>	<p>Principles of a comprehensive assessment of the clinical picture, data of physical examination and instrumental, as well as laboratory research methods in the diagnosis of</p>	<p>Conduct systemic research, diagnose, carry out prevention and treatment of identified surgical diseases, provide emergency care in acute conditions,</p>	<p>Providing first aid and deciding on the subsequent medical tactics for inflammation, burns, blunt and penetrating injuries. Bandaging.</p>

				combination with electrical impulse therapy (defibrillation)	surgical diseases, methods of their treatment. Clinical, diagnostic and therapeutic injuries of various organs.	provide first aid for penetrating wounds of the body cavities, for various types of burns.	
8.	OPK-6	Spasoben to organize patient care, provide primary health care, ensure the organization of work and make professional decisions in case of emergency conditions at the prehospital stage, in emergency situations, epidemics and in outbreaks of mass destruction	Surgical infection. Sepsis.	ID-1 OPK-6 Knows how to organize patient care. ID-2 OPK-6 Owns the algorithm for the provision of primary health care in emergency conditions at the prehospital stage. ID-3 OPK-6 Owns the algorithm for providing first aid in emergency situations. ID-4 OPK-6 Owns the algorithm for the provision of primary health care in case of epidemics.	Anatomical features of the structure of various organs and tissues. The principles of a 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. Prevention of the occurrence of surgical diseases.	Possess and know the methods of clinical examination of a surgical patient, methods of palpation and percussion, auscultation. Interpretation of the results of clinical and instrumental examinations. Performing elementary medical and diagnostic manipulations. Own the techniques for treating the hands of the surgeon,	Making a preliminary diagnosis of common surgical diseases and injuries. By identifying the connection between the general pathological process in the patient's body and the disease of the affected organ (tissue), give medical recommendations. Deciding on the subsequent medical tactics. General principles of treatment of a diagnosed

						instrumentation, apply the types of antiseptics separately and in combination, perform tests to determine the blood group and test for compatibility, the choice of a rational method of anesthesia, the ability to provide first aid, bandaging on various areas of the body, the ability to recognize the disease caused by anaerobic microorganisms and peculiarities of treatment of these patients, specific surgical infection and	disease.
--	--	--	--	--	--	--	----------

						methods of its treatment.	
9.	OPK-5	Spasoben to assess morphological, functional, physiological conditions and pathological processes in the human body to solve professional problems.	Tumors. Developmental anomalies. Violation of lymph and blood circulation	ID-1 OPK-5 Owns the algorithm of clinical, laboratory and functional diagnostics in solving professional problems. ID-2 OPK-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional problems. ID-3 OPK-5 Determines the morphofunctional, physiological conditions and pathological processes of the human body.			
10.	PC-2	Examination of the patient in order to establish a diagnosis	Examination of a surgical patient	ID-1 PC-2 Collects complaints, anamnesis of life and illness of the patient and analyzes the information received. ID-2 PC-2 Conducts a complete physical examination of the patient (examination, palpation, percussion, auscultation) and interprets its results. ID-3 PC-2 Substantiates the necessity and scope of laboratory examination of the patient. ID-4 PC-2 Substantiates the necessity and scope of instrumental examination of the patient. ID-5 PC-2 Substantiates the need to refer the patient for	Research methods of surgical patients and their role in the modern clinic of surgical diseases (general examination, study of complaints and anamnesis, objective and instrumental studies, ultrasound scanning, X-ray diagnostics, laboratory research	Conduct an external examination of a patient with a surgical profile. Draw up a medical history and an outpatient card of a surgical patient.	Conduct examination, collection of anamnesis, palpation, percussion, auscultation of a surgical patient. Interpretation of laboratory test results.

				<p>consultations to specialist doctors.</p> <p>ID-6 PC-2 Analyzes the results of the patient's examination, if necessary, justifies and plans the volume of additional studies.</p> <p>ID-7 PC-2 Interprets the results of collecting information about the patient's disease.</p> <p>ID-8 PC-2 Interprets the data obtained during laboratory examination of the patient</p> <p>ID-9 PK-2 Interprets the data obtained during instrumental examination of the patient</p> <p>ID-14 PC-2 Determines medical indications for the provision of ambulance, including emergency specialized medical care.</p>	methods, CT, MRI		
--	--	--	--	---	------------------	--	--

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

The discipline "GENERAL SURGERY" is a compulsory discipline of Block 1 of the Federal State Educational Standard of Higher Education in the specialty 31.05.01 General Medicine.

4. Disciplinescope

N / a	Type of work	Total credits	Total hours	Semester	
				five	6
				Number of hours	
one	2	3	4	5	
1.	Contact work of students with the teacher (total), including:	-	102	52	50
2.	Lectures (L)	-	24	14	10
3.	Clinical Practices (CL)	-	78	38	40
4.	Seminars (C)				
5.	Laboratory work (LR)				
6.	Student independent work (IWS)	-	42	20	22
7.	Intermediate type appraisals	offset	-		
		exam	-	36	36
8.	TOTAL: General labor intensity		180	72	108
		ZET	five	2	3

5. Discipline content

P / p No.	Semester number	The name of the topic (section) of the discipline	Types of educational activities (in hours)					Forms of monitoring of progress
			L	LR	PZ	CPC	Total	
one	2	3	four	five	6	7	eight	nine
1.	five	Introductory lesson	2		2		4	Test assignments, situational tasks, home independent work, teacher survey, essays.
2.	five	Asepsis (part I)	2		2	2	6	
3.	five	Asepsis (part II)			2	2	4	
4.	five	Antiseptic			4	2	6	
5.	five	Bleeding and stopping bleeding	2		2	2	6	
6.	five	Blood transfusion			2		2	
7.	five	Donation and other sources of blood for transfusion. Preservation and storage of blood.			2		2	
8.	five	The teaching of pain. Anesthesia. Inhalation anesthesia.	2		4	2	8	
9.	five	Non-inhalation anesthesia			2		2	
10.	five	Desmurgy			2	2	4	

11.	five	Opendamage. Wounds.	2		2	2	6
12.	five	Treatmentofwounds.			2		2
13.	five	Closedsofttissueinjuries.	2		2		4
14.	five	Bone fractures and joint dislocations.			2	2	4
15.	five	Transportimmobilization.			2	2	4
16.	five	Thermal damage. Frostbite, electrical injury, atmospheric shock. Firstaidforinjuries.	2		2		4
17.	five	Emergencyconditions.			2	2	4
18.	6	General questions of surgical infection.	2		4	2	8
19.	6	Aerobicinfection.			2	2	4
20.	6	Certain types of purulent infection. Anaerobicinfection.	2		4	2	8
21.	6	Acutespecificinfection.			4	2	6
22.	6	Surgicalsepsis.			2	2	4
23.	6	Surgicaltuberculosis.			2	2	4
24.	6	Generalquestionsofoncology.	2		4	2	8
25.	6	Lymph and blood circulation disorders			4	2	6
26.	6	Anomaliesandmalformations	2		4	4	10
27.		Polyclinic service in the structure of providing surgical care to patients			2		2
28.	6	Examinationofsurgicalpatients	2		4	2	8
29.	6	Surgery. Pre- and postoperative period.			4		4
30.	6	Summing up the results of the year, preparing for the exam					36
TOTAL:			24		78	42	180

6. The list of educational and methodological support for independent work of students in the discipline

P / p No.	Semester number	Name of educational and methodical development
1.	5.6	"Purulent surgery" teaching aid for students head. department associate professor Beslekoev U.S. prof. Khutiev Ts.S. associate professor Vakhotskiy V.V. Associate Professor T.B. Ardasenov ass Dzakhov V.R. ; Assistant Kesaonov A.Kh.
2.		"Panaritiums and phlegmon of the hand" prof. A.V. Sazhin Prof. M.S. Alekseev
3.		"General questions of oncology" Associate professor Beslekoev US prof. Khutiev Ts.S.
4.		"Fundamentals of injury surgery" prof. A.K. Khestanov Ardasenov T.B.
5.		"HISTORY OF DISEASE" department associate professor Beslekoev U.S. prof. Khutiev Ts.S. associate professor Vakhotskiy V.V. Associate Professor T.B. Ardasenov ass Dzakhov V.R. ; assistant B.L. Naniev

7. Fund of assessment tools for intermediate certification of students in the discipline

P / p	Listofcompetete	No.	Indicator (s)	Evaluationncr	Gradingscale	Name
-------	-----------------	-----	---------------	---------------	--------------	------

No. one	ncies 2	semester 3	evaluating 4	riterion (s) 5	6	FOS 7
1.	OPK-4 OPK-5 OPK-6 PC-1 PC-2	5.6	see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education of the SOGMA of the Ministry of Health of Russia dated 10.07.2018, No. 264 / o	see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education of the SOGMA of the Ministry of Health of Russia dated 10.07.2018, No. 264 / o	see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education of the SOGMA of the Ministry of Health of Russia dated 10.07.2018, No. 264 / o	Exam tickets for credit; Test tasks; Controltasks

8. The list of basic and additional educational literature necessary for mastering the discipline

P / p No. one	Name 2	Authors) 3	Year, place of publication 4	Number of copies		EBS name / EBS link one
				in library 5	at the department 6	
Main literature						
1.	Общая хирургия. Учебник с компакт-диском	Гостищев В.К.	М.: ГЭОТАР-Медиа, 2006, 2010, 2015.	176 10	3	«Консультант студента» http://www.studmedlib.ru/book/ISBN9785970422816.html
2.	Общая хирургия. Учебник для вузов с компакт-диском	Петров С.В.	М.: ГЭОТАР-Медиа, 2006, 2007, 2009, 2012, 2014.	98 97 6 4	3	«Консультант студента» http://www.studmedlib.ru/book/ISBN9785982161190.html
3.	Руководство к практическим занятиям по общей хирургии: учеб. пособие (на англ. яз.)	Гостищев В.К.	М. : ГЭОТАР-Медиа, 2006	36	-	
additional literature						
4.	Общая хирургия: учебник в 2 т.	Рычагов Г.П. Гарелик П.П.	Минск: Высшая школа, 2008	Т.1-1 Т.2.1		

5.	Атлас амбулаторной хирургии	Ред. В. Томас	М.:ГЭОТАР-Медиа,2009	1	1	
6.	Общая хирургия:учебник	Ред. В.Я. Зубарев	СПб.: СпецЛит,2004	6	1	
7.	Поликлиническая хирургия: учебное пособие.	Ред. В.Я. Горбунков	Ставрополь: СтГМА,2011	10	1	
8.	Инфекции в хирургии: руководство для врачей	Гостищев В.К.	М.:ГЭОТАР-Медиа,2007	4	1	
9.	Хирургические болезни: учебник	Под ред. М.И. Кузина	М.: Медицина,2006	110	2	
10.	Практикум по курсу общей хирургии	Ред. Зубарев В.С.	СПб.: Фолиант,2004г.	1	2	
11.	Предоперационный период. Предоперационная оценка. Подготовка к плановым хирургическим вмешательствам: руководство	Ред. В.В. Самойленко	М.:ГЭОТАР-Медиа,2009			«Консультант студента» http://www.studmedlib.ru/book/ISBN9785970413234.html
12.	80 лекций по хирургии	Ред. С.В. Савельев	М.: Литтерра, 2008			«Консультант студента» http://www.studmedlib.ru/book/ISBN9785982161190.html
13.	General surgery : the manual	Gostishchev V. К.	М. : Geotar-Media, 2015	1		



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

http://www.studmedlib.ru/ru/book/ISBN9785970422816.html?SSr=4701339e70107a8eb7fa543biblso_gma

http://www.studmedlib.ru/ru/book/ISBN9785970425749.html?SSr=4701339e70107a8eb7fa543biblso_gma

http://www.studmedlib.ru/ru/book/ISBN9785970428887.html?SSr=4701339e70107a8eb7fa543biblso_gma

http://www.studmedlib.ru/ru/book/06-COS-2356.html?SSr=4701339e70107a8eb7fa543biblso_gma

http://www.studmedlib.ru/ru/book/ISBN9785970415382.html?SSr=4701339e70107a8eb7fa543biblso_gma

http://www.studmedlib.ru/ru/book/ISBN9785970411131.html?SSr=4701339e70107a8eb7fa543biblso_gma

http://www.studmedlib.ru/ru/book/ISBN9785970412503.html?SSr=4701339e70107a8eb7fa543biblso_gma

http://www.studmedlib.ru/ru/book/ISBN9785970413234.html?SSr=4701339e70107a8eb7fa543biblso_gma

10. Methodical instructions for students on mastering the discipline

- Training consists of contact work (102 hours), including a lecture course and practical exercises, and independent work (42 hours). The main study time is allocated for practical work, the acquisition of knowledge in the field of general surgery by students, the development of basic skills in surgery (practical skills), teaching students the skills and abilities that allow diagnostics and treatment of patients with acute and chronic surgical pathology, teaching students to recognize pathological changes in organs when examining a patient, when determining 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;_

Practical exercises are conducted in the form of answers to tests, oral questioning, demonstration of videos on the topic under study, using visual aids, solving situational problems. In accordance with the requirements of the Federal State Educational Standard of Higher Education, active and interactive forms of conducting classes (videos, situational tasks, independent extracurricular work) are widely used in the educational process. The proportion of classes conducted in interactive forms is at least 20% of classroom lessons.

Independent work of students implies the preparation of the formation of a systematic approach to the analysis of medical information, includes the study of additional literature, work with medical documentation, writing a medical history.

Each student is provided with access to the library funds of the academy and department. During the study of the discipline, students are present at operations, participate in bypassing patients.

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

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

Microsoft Office
PowerPoint;
Internet explorer

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

No. p / p	equipmentidentification	number	Technicalcondition
one	2	3	four
Specialequipment			
1.	Useofchambers.		
2.	technicalmeans: Radiographs, CT scans, Ultrasoundimages DemoMonitor	3 1	In a satisfactory condition not available not available

	Laserpointer	1	good condition
	Surgicalinstrumentset	1	needs replacement
	Dummies	2	needs replacement
	Transportimmobilizationandmedicaltires	3	needs replacement
	harnesses, Esmarch'smug		needs replacement
	bandages, gauze, cottonwool		not available
	operatinggownsandunderwear		not available
	Sets for determining the blood group according to the ABO system and the Rh factor		not available
	Tonometers		not available
	phonendoscopes		not available
	trays	2	not available
	disposable syringes		in satisf. condition
	laryngoscope	1	not available
	endotrachealtube	1	needs replacement
			needsreplacement
Officeequipment			
3.	Notebook	3	Goodcondition
4.	Projector	1	Needsreplacement
5.	Camera	1	Goodcondition
6.	PersonalComputer	1	Goodcondition
7.	PersonalComputer	4	Needsreplacement

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 full-time training, it is possible to study this discipline or part of it using e-learning and distance educational technologies.

Teaching the discipline in the above situations 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, monitoring progress, 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, "live lectures", etc. Conducting seminars and practical classes is possible on-line both in synchronous and asynchronous modes. Seminars can be held in the form of webconferences