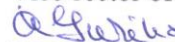


**State budgetary educational institution of higher professional
education**

**"North Ossetian State Medical Academy" of the Ministry of
health of the Russian Federation**

AGREED BY

Vice-rector of EW

 A.E. Gurina

19th February 2020.



APPROVED BY

Rector

 O.V. Remizov

19th February 2020.

**EDUCATIONAL AND METHODOLOGICAL COMPLEX FOR
DISCIPLINE**

Faculty Surgery, Urology
(Specialty 31.05.01 General Medicine)

Reviewed and approved at the meeting of the department
10th February 2020. (protocol № 7)

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Vladikavkaz, 2020

Working program of discipline is based on:

1. FSES HE by the specialty 31.05.01 General medicine, which is approved by order of the Ministry of Education and Science of RF PФ №95 «9» February 2016.
2. Study plan of the specialty 31.05.01 General medicine, approved by the academic Board FSBEI HE NOSMA of Ministry of Health Service of the Russian Federation «19» February 2020., protocol № 3.
3. The working program of the discipline is approved at the meeting of the Department of Surgery Diseases «10» February 2020., protocol № 7.
4. The working program of the discipline was approved at a meeting of the central coordinating educational-methodical Board «12» February 2020., protocol № 3.
5. The working program of the discipline is approved by the Academic Board of FSBEI HE SOGMA of the Ministry of Health of Russia «19» February 2020., protocol № 3.

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Beslekov US, MD, Associate Professor, Head of the Department of Surgical Diseases No. 1, FSBEI HE SOGMA of the Ministry of Health of Russia, 11.02.2020 г.

Working program content

1. Name of the discipline;
2. The list of planned learning outcomes in the discipline, correlated with the planned learning outcomes of the educational program;
3. The 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 to the contact work of students with the teacher (by type of training) and the independent work of students;
5. The content of the discipline, structured by topics (sections) indicating the number of academic or astronomical hours allocated to them and the types of training sessions;
6. List of educational and methodological documents for independent work of students in the discipline;
7. Fund assessment tools for conducting intermediate certification of students in the discipline;
8. The list of basic and additional educational literature necessary for mastering the discipline;
9. The list of resources of the information and telecommunication network "Internet" (after that "Internet" network) necessary for mastering the discipline;
10. Guidelines for students in the development of the discipline;
11. The 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. The description of the material and technical base necessary for the implementation of the educational process in the discipline.

2. The list of planned learning outcomes in the discipline, correlated with the planned learning outcomes of the educational program

№ п/п	Number/competency index	Competency Content (or parts of it)	Theme of the lesson (section)	Results of mastering		
				To know	To be able to	To manage
1	2	3	4	5	6	7
1.	PC-5	Readiness to collect and analyze patient complaints, medical history, examination results, laboratory, instrumental, pathological and anatomical and other investigations to recognize the condition and establish the fact or absence of a disease.	Acute appendicitis. Complications Cholelithiasis. Acute cholecystitis. Acute pancreatitis. Hernia of the abdomen. Complications of hernias. Acute intestinal obstruction. Pyloric stenosis. Penetration of ulcers. Malignancy. Perforated gastric ulcer and duodenum. Gastrointestinal bleeding. Acute peritonitis. Diseases of the rectum. Diseases of the colon. Breast disease. Purulent-inflammatory diseases of the lungs and pleura. Vein disease of the lower extremities. Urolithiasis disease. Hydronephrosis. Anomalies in the development of the organs of the urinary-genital system. Acute and chronic pyelonephritis Genitourinary tuberculosis. Benign Hyperplasia and Cancer prostate gland. Tumors of the kidney and bladder. Acute and chronic renal failure. Nephrogenic hypertension. Urgent conditions and injuries of the genitourinary system.	Definition, classification, etiology, pathogenesis, clinical features, diagnosis, treatment of patients with surgical pathology.	To interview and examine patients with surgical diseases, to interpret data from laboratory and special research methods, to analyze the information received and make a diagnosis, to prescribe treatment and evaluate its results.	Methods of diagnosis and treatment of surgical diseases.
2.	PC-6	The ability to determine	Acute appendicitis.	Definition,	To interview	Methods of

		<p>the patient's main pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification of Diseases and Health Problems, X revision.</p>	<p>Complications Cholelithiasis. Acute cholecystitis. Acute pancreatitis. Hernia of the abdomen. Complications of hernias. Acute intestinal obstruction. Pyloric stenosis. Penetration of ulcers. Malignancy. Perforated gastric ulcer and duodenum. Gastrointestinal bleeding. Acute peritonitis. Diseases of the rectum. Diseases of the colon. Breast disease. Purulent-inflammatory diseases of the lungs and pleura. Vein disease of the lower extremities. Urolithiasis disease. Hydronephrosis. Anomalies in the development of the organs of the urinary-genital system. Acute and chronic pyelonephritis Genitourinary tuberculosis. Benign Hyperplasia and Cancer prostate gland. Tumors of the kidney and bladder. Acute and chronic renal failure. Nephrogenic hypertension. Urgent conditions and injuries of the genitourinary system.</p>	<p>classification, etiology, pathogenesis, clinical features, diagnosis, treatment of patients with surgical pathology.</p>	<p>and examine patients with surgical diseases, to interpret data from laboratory and special research methods, to analyze the information received and make a diagnosis, to prescribe treatment and evaluate its results.</p>	<p>diagnosis and treatment of surgical diseases.</p>
3.	PC-8	<p>The ability to determine the management tactics of patients with various nosological forms.</p>	<p>Acute appendicitis. Complications Cholelithiasis. Acute cholecystitis. Acute pancreatitis. Hernia of the abdomen. Complications of hernias. Acute intestinal obstruction. Pyloric stenosis.</p>	<p>Definition, classification, etiology, pathogenesis, clinical features, diagnosis, treatment of patients with surgical pathology.</p>	<p>To interview and examine patients with surgical diseases, to interpret data from laboratory and special research methods, to</p>	<p>Methods of diagnosis and treatment of surgical diseases.</p>

		<p>Penetration of ulcers. Malignancy. Perforated gastric ulcer and duodenum. Gastrointestinal bleeding. Acute peritonitis. Diseases of the rectum. Diseases of the colon. Breast disease. Purulent-inflammatory diseases of the lungs and pleura. Vein disease of the lower extremities. Urolithiasis disease. Hydronephrosis. Anomalies in the development of the organs of the urinary-genital system. Acute and chronic pyelonephritis Genitourinary tuberculosis. Benign Hyperplasia and Cancer prostate gland. Tumors of the kidney and bladder. Acute and chronic renal failure. Nephrogenic hypertension. Urgent conditions and injuries of the genitourinary system.</p>		<p>analyze the information received and make a diagnosis, to prescribe treatment and evaluate its results.</p>	
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3. The place of discipline in the structure of the educational program

The discipline "Faculty surgery" refers to the base part of block 1 of the Federal State Educational Standard of Higher Education, specialty 31.05.01 General medicine.

4. The amount of the discipline

№	Type of work	Total credits	Total hours	Terms	
				№7	№8
				hours	hours
1	2	3	4	5	6
1	Contact work of students with teacher (total), including:		146	110	36
2	Lectures (L)		44	30	14
3	Clinical practice (CP)		102	80	22
4	Seminars (S)				
5	Laboratory works (LW)				
6	Student's independent work (SIW)		70	52	18
7	Type of intermediate Certifications	Credit(C)	-	Credit	
		Exam (E)		36	36
8	TOTAL: General labor intensity	Hours	252		
		Credit units	7	4,5	2,5

5. Discipline content

№	№ of term	The name of the topic (section) of the discipline	Types of educational activities (in hours)					Forms of current performance monitoring
			L	LW	CP	SIW	total	
1	2	3	4	5	6	7	8	9
1	7	Module 1. Acute appendicitis. Complications of acute appendicitis. Acute cholecystitis. Acute pancreatitis. Abdominal hernia. Module 2. Pyloric stenosis, penetration, malignancy. Perforated ulcer. ZhKK. Peritonitis. Diseases of the colon. Diseases of the rectum	20	-	52	36	108	
2	8	Module No. 1. Breast diseases. Diseases of the lungs and pleura. Diseases of the veins.	14	-	22	18	54	
3	7	General urology	10		28	16	54	
TOTAL:			44		102	70	216	

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

№	№ of term	Name of educational-methodical document
1	2	3
1.	7	Acute appendicitis.
2.	7	Complications of acute appendicitis.
3.	7	Acute cholecystitis.
4.	7	Acute pancreatitis.
5.	7	Obstructive jaundice.
6.	7	Abscess and gangrene of the lung.
7.	8	Diseases of the rectum.
8.	8	Breast disease.
9.	8	Strangulated abdominal hernia.
10.	8	Purulent pleurisy.
11.	7-8	Methodical recommendations for independent extracurricular work.
12.	8	Methodological guidance for practical training.
13.	8	Methodical recommendations for independent extracurricular work of 4th year students of medical and pediatric faculties.

The fund of assessment tools for intermediate certification of students in discipline

№ / п	Competency list	№ Of term	Indicator (s) assessment	Evaluation criteria (s)	Grading system	Name of FES
1	2	3	4	5	6	7
1.	Pc-5 Pc-6 Pc -8	7	see standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education in NOSMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o	see standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education in NOSMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o	see standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education in NOSMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o	Examination tickets; Test items; Situational Tasks
2.	Pc -5 Pc -6 Pc -8	8	see standard for assessing the quality of education, approved. By	see standard for assessing the quality of education, approved. By	see standard for assessing the quality of education, approved. By	Examination tickets; Test items; Situational Tasks

			order of the Federal State Budgetary Educational Institution of Higher Education in NOSMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o	order of the Federal State Budgetary Educational Institution of Higher Education in NOSMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o	order of the Federal State Budgetary Educational Institution of Higher Education in NOSMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o	
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7. The list of basic and additional educational literature necessary for mastering the discipline

№	Name	The author(s)	Year, place of publication	Number of copies	
				In library	At the department
1	2	3	4	5	6
Basic literature					
1.	Manipal Manual of Surgery (4 th edition)	K Rajgopal Shenoy Anitha Shenoy	CBS Publishers & Distributors, 2019	-	1
				http://spinbook.net/books.php?id=812392416X	
Additional literature					
2.	Lecture Notes: General Surgery (13 th edition)	Sir Harold Ellis, Sir Roy Calne, Sir Christopher Wotson	Wiley-Blackwell, 2016	-	-
				https://www.academia.edu/23743497/Lecture_Notes_General_Surgery	
3.	Essential surgical practice: Higher training in General Surgery (5 th edition)	Alfred Cuschieri, George B Hanna	Hodder Arnold, 2012	-	-
				https://roseannaowensgreg.files.wordpress.com/2017/05/essential-surgical-practice-higher-surgical-training-in-general-surgery-fifth-edition-by-alfred-cuschieri-george-hanna.pdf	
4.	Textbook of surgery (3 th edition)	Joe J. Tjandra, Gordon J.A. Clunie, Anrew H. Kaye, Julian A. Smith	Blackwell, 2006	-	-
				https://epdf.pub/textbook-of-surgery-3rd-edition.html	

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

«Student's Consultant»

www.studmedlib.ru

10. Guidelines for students in the development of the discipline

Studying consists of classroom lessons (146 hours), including a lecture course and practical classes, and independent work. The main academic time is devoted to practical work on surgical diseases and urology.

During the study, it is necessary to use the whole arsenal of theoretical knowledge and to master practical skills in surgical diseases and urology.

Practical classes are conducted in the form of a theoretical survey and testing, demonstrations of visual aids (slides, tables, multimedia presentations), solution of situational tasks, answers to test tasks, as well as demonstrations of patients, laboratory and instrumental methods of research, with clinical analysis, self-supervision of patients surgical and urological profile.

In accordance with the requirements of the Federal State Educational Standard, the active and interactive forms of conducting classes are widely used in the educational process (indicate educational technologies). The proportion of classes conducted in interactive forms is at least 20% of classroom classes.

Independent work of students involves preparing for classes, for testing, writing a medical history, preparing for current and intermediate control and includes the study of all topics of the discipline.

Work on literature is considered as a type of educational work in the discipline of faculty surgery, urology”and is carried out within the hours allotted for its study (in the section CPC).

Each student is provided with access to the library funds of the SOGMA and the department.

For each section of the discipline developed guidelines for students and teachers.

During the study of the discipline, students independently examine patients, draw up medical documentation and present the patient for clinical discussion

Writing an educational case history contributes to the formation of practical skills.

Student work in a group creates a sense of teamwork and sociability.

Teaching students helps them develop communication skills with patients, taking into account the ethical and deontological characteristics of pathology and patients. Independent work with patients contributes to the formation of medical behavior, accuracy, discipline.

The initial level of knowledge is determined by oral questioning during classes, during clinical reviews, when solving typical situational problems and answers to test tasks.

At the end of the study of the discipline, an examination is carried out..

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

- Microsoft Office
- Power Point
- Acrobat Reader
- Internet Explorer

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

The total area of the training base is 90 m² (PCH)

Class rooms -3.

Professor's room -1

Equipment of class rooms

№	Name of equipment	Ammounr	Technical condition
Специальное оборудование			
1.	Computer	2	satisfactory
2.	Printer	2	satisfactory
3.	Laptop	1	satisfactory
4.	Multimedia projector	1	satisfactory
5	Tables	50	satisfactory