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Khanty-Mansiysk Autonomous Okrug-Ugra
 "Surgut State University"

Approved by
 Deputy Rector for Academic Affairs

_____ E.V. Konovalova

“ 13 ” June 2024 , Record No. 5

Faculty Surgery

Syllabus

Department	Surgical diseases
Curriculum	s310501-ЛечДело-24-4.pli.xml Specialty 31.05.01 General Medicine
Qualification	General Practitioner
Form of education	Full-time
Total (in credits)	6
Total academic hours including:	216
Classes	150
Self-study	39
Control hours	27

Control:

8th term-exam
 7th term-credit

Course outline in terms

Academic year (Term)	4 (4.1)		4(4.2)		Total	
	17		12 2/6			
Types of classes	Cur	Syl	Cur	Syl	Cur	Syl
Lectures	16	16	16	16	32	32
Practical	64	64	54	54	118	118
Self-study	28	28	11	11	39	39
Control hours	-	-	27	27	27	27
Total	108	108	108	108	216	216

The Syllabus is compiled by:

PhD in Medical Sciences (Surgery), Associate Professor, Zorkin A. A. _____

The Syllabus

Faculty Surgery

Developed in accordance with Federal State Educational
Standard:

Federal State Educational Standard of higher education in the specialty 31.05.01 General medicine (Order of the
Ministry of Education and Science of the Russian Federation on August 12, 2020 No. 988)

Based on the Curriculum:

31.05.01 GENERAL MEDICINE

Specialization: General Medicine

Approved by the Academic Council of Surgut State University, “ 13 ” June 2024 , Record No. 5

The Syllabus was approved by the department

Surgical diseases

Head of Department, Doctor of Medicine, Professor Darvin V.V.

1. COURSE OBJECTIVES

1.3	The aim of mastering the discipline "Faculty Surgery" is to develop the ability to make a diagnosis, conduct differential diagnostics and solve tactical issues in the main nosological forms of surgical pathology, including urgent, in their typical and complicated course with substantiation of personalized diagnostic, therapeutic and preventive measures from the standpoint of evidence-based medicine, as well as knowledge of modern principles of providing emergency medical care for urgent surgical diseases and conditions and their complications, including in pregnant women and elderly and
1.4	The objective of the course is the development of students' personal qualities and the formation of general cultural (general scientific, social and personal, instrumental), general professional and professional competencies in accordance with the Federal Educational Standards of Higher Education.

2. COURSE OVERVIEW

Course code (in curriculum)	Б1.О.04
2.1 Assumed background knowledge:	
	X-Ray diagnostics
	Pathological physiology
	Pharmacology
	Human anatomy
	Topographic anatomy, operative surgery
	General surgery
	Introductory practice in patient care of therapeutic and surgical profile
2.2 Post requisites:	
	Oncology, radiation therapy
	Industrial practice of surgical profile
	Anesthesiology, intensive care
	Disaster Medicine
	Hospital surgery. Pediatric surgery

3. COMPETENCES UPON COMPLETION OF THE COURSE (MODULE)

PC-8.2: Maintains medical records, including in electronic form
PC-5.1: Demonstrates knowledge of the mechanisms of action, methods of application of pharmacotherapy, therapeutic nutrition, medical devices and methods of non-drug treatment, palliative and personalized medical care
PC-5.2: He will treat various categories of patients with diseases on an outpatient basis, in hospitals and centers of high-tech medical care (HMP) with the use of drugs, medical devices and medical nutrition, taking into account the clinical picture, in accordance with current procedures, standards of medical care(clinical guidelines & treatment protocols)
PC-5.4: Demonstrates knowledge of side effects of drugs, methods of their administration, knowledge of the duration of their use and assesses the effectiveness and safety of pharmacotherapy, medical nutrition and the use of non-drug treatment, medical nutrition in palliative care
PC-3.3: Conducts early and differential diagnosis of diseases
PC-3.4: Carries out routing and management of patients on the basis of current legislation (standards, procedures for the provision of medical care, clinical guidelines)
PC-1.1: Demonstrates knowledge about the etiology, pathogenesis, diagnostic criteria (clinical – subjective, physical, laboratory, instrumental) determines the patient's main pathological conditions, symptoms, disease syndromes and diagnoses nosological forms in accordance with the International Statistical Classification of Diseases and Health-related Problems, X – XI
PC-1.2: Conducts differential diagnosis, evaluates the prognosis (short-, medium- and long-term) of the course of the disease, identifies acute complications and complications of chronic diseases

By mastering of the course students must:

3.1	Know:
	1. Etiology, pathogenesis, diagnostic criteria (clinical - subjective, physical. laboratory, instrumental, the main pathological conditions, symptoms, syndromes of surgical diseases, classification of nosological forms in accordance with the International Statistical Classification of Diseases and Health Problems, X - XI revisions
	2. Principles of differential diagnosis and prognosis of the course of surgical diseases, diagnosis of acute forms and complications of chronic diseases.
	3. Clinical manifestations of surgical diseases, methods of examination and clarifying diagnostics, as well as their peculiarities in pregnant women and elderly and senile persons.

	4. The principles of routing and management of surgical patients on the basis of current legislation (standards, procedures for the provision of medical care, Clinical guidelines), treatment on an outpatient basis, in hospitals and high-tech medical care (HMP) centers with the use of drugs, medical devices and medical nutrition taking into account the clinical picture, in accordance with current procedures, standards of medical care, clinical guidelines (treatment protocols).
	5. Mechanisms of action, methods of application of pharmacotherapy, medical nutrition, medical devices and methods of non-drug treatment, palliative and personalized medical care in surgical patients.
	6. Side effects of drugs, methods of their administration, knowledge of the duration of their use, criteria for the effectiveness and safety of pharmacotherapy, medical nutrition and the use of non-drug treatment, medical nutrition, palliative care in surgical patients.
	7. Principles of maintaining medical records, including in electronic form

3.2 be able to:

	1.To identify typical symptoms and syndromes of surgical diseases in patients in accordance with the list of conditions and diseases included in the program, including emergency conditions.
	2.To determine the patient's status: to collect an anamnesis, to conduct a survey of the patient and/or his relatives, to conduct a physical examination of the patient (examination, palpation, auscultation, measurement of blood pressure, determination of the properties of arterial pulse, etc.), including in emergency conditions.
	3.To make a plan for laboratory and instrumental studies of the patient, to interpret their results
	4.To make a preliminary diagnosis is to synthesize information about the patient in order to determine the pathology and the causes of it
	5.To develop a plan of therapeutic (surgical) actions, taking into account the course of the disease and its treatment
	6.To formulate indications for the chosen method of treatment, taking into account etiologic and pathogenetic agents, to justify pharmacotherapy in a particular patient with major pathological syndromes and urgent conditions, to determine the route of administration, regimen and dose of drugs, to evaluate the effectiveness and safety of the treatment
	7.Before surgery and surgical manipulations, treat hands, the operating field, put on a sterile surgical mask, put on or change sterile gloves, a sterile robe independently and with the help of an operating nurse
	8. Maintain medical records, including in electronic form

4. STRUCTURE AND CONTENTS OF THE COURSE (MODULE)

Class Code	Topic /class type/	Term/Ac. year	Academic hours	Competences	Literature	Interactiv	Notes
	1. Faculty surgery	7					
1.1	History of surgery. The principles of organizing surgical care in the Russian Federation. /Lecture/	7	2	PC-3.4 PC- 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.2	Acquaintance with the organization and principles of operation of the surgical hospital. Examination of a surgical patient. Registration of medical documentation in a surgical hospital. The program of examination and treatment of a patient with a surgical profile. /Practical classes /	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.3	Methods for the diagnosis and differential diagnosis of acute surgical diseases of the abdominal organs. / Lecture /	7	2	PC- 1.2 PC-3.3	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.4	Traditional and minimally invasive surgical technologies in the treatment of acute surgical diseases of the abdominal organs. / Lecture /	7	2	PC- 5.1 PC-5.2 PC-5.4	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		

1.5	Acute appendicitis and its complications /Lecture/	7	2	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.6	Acute appendicitis /Practical classes/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.7	Complicated acute appendicitis /Practical classes/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.8	Acute appendicitis /Self-study/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.9	Acute calculous cholecystitis and its complications. /Lecture/	7	2	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.10	Acute calculous cholecystitis /Practical classes/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.11	Complicated acute calculous cholecystitis /Practical classes/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.12	Acute calculous cholecystitis /Self-study/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.13	Acute intestinal obstruction /Lecture/	7	2	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.14	Acute intestinal obstruction /Practical classes/	7	8	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.15	Acute intestinal obstruction /Self-study/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		

1.16	Acute pancreatitis and its complications /Lecture/	7	2	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.17	Acute pancreatitis and its complications /Practical classes/	7	8	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5	1	
1.18	Acute pancreatitis and its complications /Self-study/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.19	Gastric and duodenal ulcer /Practical classes/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5	1	
1.20	Complications of peptic ulcer: bleeding, perforation, penetration, stenosis, malignancy /Practical classes/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.21	Complications of peptic ulcer: bleeding, perforation, penetration, stenosis, malignancy /Self-study/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.22	Stomach and duodenal ulcer postgastrectomy and postvagotomy complications and syndromes / Practical classes /	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.23	Abdominal hernias. Complications of hernias /Practical classes/	7	8	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.24	Abdominal hernias. Complications of hernias /Self-study/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.25	Peritonitis /Lecture/	7	2	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.26	Peritonitis /Practical classes/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5	1	
1.27	Peritonitis /Self-study/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
1.28	Final lesson /Practical classes/	7	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		

1.29	Control work /Control /	7	0	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, L3.1, E1, E2, E3, E4, E5		Control work
1.30	Credit	7	0	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, L3.1, E1, E2, E3, E4, E5		Credit task
	2. Faculty surgery	8					
2.1	Fundamentals of Surgical Treatment of Heart Diseases/Lecture/	8	2	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.2	Supervision of surgical patients /Practical classes/	8	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.3	Diagnosis and treatment of acute lower limb ischemia. /Lecture/	8	2	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.4	Pathology of the aorta. Aneurysm. Acute arterial ischemia (thrombosis, embolism). /Practical classes/	8	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.5	Diagnostics and treatment of chronic lower limb ischemia. /Lecture/	8	2	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.6	Atherosclerotic arterial disease. Obliterating arterial disease. /Practical classes/	8	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.7	Obliterating arterial disease. /Self-study/	8	3	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.8	Chronic venous insufficiency/Lecture/	8	2	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.9	Diseases of the venous system. Varicose veins. Acute thrombophlebitis. Postthrombophlebitis syndrome. /Practical classes/	8	8	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.10	Diseases of the venous system. Varicose veins. Acute thrombophlebitis. Postthrombophlebitis syndrome. /Self-study/	8	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.11	Complications of diabetes mellitus in surgical practice /Lecture/	8	2	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		

2.12	Surgical complications of diabetes mellitus/Practical classes/	8	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.13	Questions of surgical treatment of uncomplicated and complicated gastroduodenal ulcers/Lecture/	8	2	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.14	Chest trauma/Lecture/	8	2	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.15	Abdominal trauma/Lecture/	8	2	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.16	Chest trauma. Abdominal trauma /Practical classes/	8	12	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.17	Purulent diseases of the lungs and pleura /Practical classes/	8	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.18	Acute mediastinitis /Practical classes/	8	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.19	Thyroid disease /Practical classes/	8	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.20	Thyroid disease /Self-study/	8	4	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.21	Final lesson, defense of medical history/Practical classes/	8	6	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, E1, E2, E3, E4, E5		
2.22	Control work /Control /	8	0	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, L3.1, E1, E2, E3, E4, E5		Control work
2.23	Exam	8	27	PC-1.1 PC - 1.2 PC-3.3 PC - 3.4 PC - 5.1 PC -5.2 PC -5.4 PC - 8.2	L1.1, L1.2, L2.1, L2.2, L3.1, E1, E2, E3, E4, E5		Exam

5. ASSESSMENT TOOLS

5.1. Assessment tools

Presented by a single document

5.2. Assessment tools for diagnostic assessment

Presented by a single document

6. COURSE (MODULE) RESOURCES

6.1. Recommended Literature				
6.1.1. Core				
	Authors	Title	Publish., year	Quantity
L1.1	M.A. Lagoon, B.S. Kharitonov, edited by professor S. V. Vertyankin	The Course of Faculty (Analytical) Surgery in Pictures, Tables and Schemes [Электронный ресурс]	M.: GEOTAR-Media, 2017. Electronic resource	1
L1.2	A. V. Kruchkova, Yu. V. Kondusova, I. A. Poletayeva and others; edited by A. V. Kruchkova.	Care for Surgical Patients [Электронный ресурс]	M.: GEOTAR-Media, 2020. Electronic resource	1
6.1.2. Supplementary				
	Authors	Title	Publish., year	Quantity
L2.1	Gostishchev V.K.	General surgery [Электронный ресурс] / The manual. - - 220 p.	M.: GEOTAR-Media, 2020. Electronic resource	1
L2.2	Merzlikin N.V.	The Medical History of a Surgical Patient [Электронный ресурс]	M.: GEOTAR-Media, 2018. Electronic resource	1
6.1.3. Methodical development				
L3.1	Gostishchev V. K	General surgery : The manual	M: ГЭОТАР-Медиа, 2015 Electronic resource	1

E1 FreeMedicalJournals http://freemedicaljournals.com
E2 Blackwell Synergy http://www.synergy.ru
E3 MedLine. http://medline.ru
E4 New England Journal of Medicine. http://www.nejm.org
E5 PubMed Central (PMC). http://www.pubmed.com
6.3.1 Software
Operational systems "Microsoft", Software package Microsoft Office
6.3.2 Information Referral systems
http://www.garant.ru
http://www.consultant.ru

7. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE (MODULE)

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| 1. Classrooms for lectures are equipped with a multimedia projector, a screen, a laptop, a stationary chalkboard, standard educational furniture: tables, chairs |
| 2. Classrooms for practical classes are equipped with a multimedia projector, a screen, a laptop, a stationary chalkboard, standard educational furniture: tables, chairs in Surgut District Clinical Hospital (SDCH) |
| 3. Tables, posters, diagrams, drawings |
| 4. Simulators of Simulator Center of SurSU |
| 5. Operating room, dressing room, examination room in the emergency department, wards, intensive care wards, conference room. The premises of SDCH provided for the provision of medical care to patients, including those related to medical interventions, are equipped with specialized equipment and (or) medical products & devices |
| 6. Library of situational tasks & clinical scenarios |
| 7. Conditions have been created for the education of people with disabilities |

