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**Federal State Autonomous Educational Institution of Higher Education  
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA  
RUDN University**

**Institute of Medicine**

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educational division (faculty/institute/academy) as higher education programme developer

**COURSE SYLLABUS**

Hospital Surgery, Pediatric Surgery

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course title

**Recommended by the Didactic Council for the Education Field of:**

31.05.01 General Medicine

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field of studies / speciality code and title

**The course instruction is implemented within the professional education programme of higher education:**

General Medicine

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higher education programme profile/specialisation title

## 1. COURSE GOAL(s)

The goal of the course “Hospital Surgery, Pediatric Surgery” is to equip students with the knowledge for the ability to diagnose surgical diseases, to determine the treatment and prevention methods. The training program provides for further study of diseases that are not included in the program of previous disciplines. In the process of training the special attention is paid to the clinical education of students, the ability of general examination of surgical patients and the ability to summarize the obtained data for the differential diagnosis.

## 2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) “Hospital Surgery, Pediatric Surgery” is aimed at the development of the following competences /competences in part: GC-5, GC-7, PC-1, PC-2, PC-3, PC-5.

*Table 2.1. List of competences that students acquire through the course study*

<b>Competence code</b>	<b>Competence descriptor</b>	<b>Competence formation indicators (within this course)</b>
GC-5	Able to assess morphofunctional, physiological conditions and pathological processes of the human body to solve professional tasks	GC-5.1. Masters the algorithm of clinical laboratory and functional diagnostics in solving professional tasks.
		GC-5.2. Able to evaluate the results of clinical, laboratory and functional diagnostics in solving professional tasks.
		GC-5.3. Able to determine the morphofunctional, physiological conditions and pathological processes of the human body.
GC-7	Able to prescribe treatment and monitor its effectiveness and safety	GC-7.1. Masters the methods of general clinical examination, interpretation of the results of laboratory, instrumental diagnostic methods.
		GC-7.2. Masters an algorithm for making a preliminary diagnosis with subsequent referral of the patient to the appropriate specialists.

Competence code	Competence descriptor	Competence formation indicators (within this course)
PC-1	Able to provide medical care to the patient in urgent or emergency forms	PC-1.1. Able to assess the condition of a patient requiring urgent or emergency medical care.
		PC-1.2. Able to recognize conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care.
		PC-1.3. Able to provide emergency medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life.
		PC-1.4. Able to recognize conditions that pose a threat to the patient's life, including conditions of clinical death (stopping the vital functions of the human body (blood circulation and / or respiration), requiring emergency medical care.
		PC-1.5. Able to provide emergency medical care to patients in conditions that pose a threat to the patient's life, including clinical death (stopping the vital functions of the human body (blood circulation and/or respiration).
		PC-1.6. Able to use medicines and medical devices in the provision of medical care in emergency or urgent forms.
PC-2	Able to exam the patient in order to establish a diagnosis	PC-2.1. Masters the skills to collect complaints, anamnesis of the patient's life and illness, as well as to conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation).

Competence code	Competence descriptor	Competence formation indicators (within this course)
		<p>PC-2.2. Able to formulate a preliminary diagnosis and draw up a plan for laboratory and instrumental examinations of the patient.</p>
		<p>PC-2.3. Able to refer the patient for laboratory examination if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care.</p>
		<p>PC-2.4. Able to refer the patient for an instrumental examination if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care.</p>
		<p>PC-2.5. Able to refer the patient to a consultation with specialists if there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care.</p>
		<p>PC-2.6. Able to refer a patient for specialized medical care in an inpatient setting or in a day hospital if there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care.</p>

Competence code	Competence descriptor	Competence formation indicators (within this course)
		PC-2.7. Able to make a differential diagnosis with other diseases/conditions, including emergencies, as well as establish a diagnosis based on the current International Statistical Classification of Diseases and Related Health Problems.
PC-3	Able to prescribe treatment and monitor its effectiveness and safety	<p>PC-3.1. Able to develop a treatment plan for a disease or condition, taking into account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care.</p> <p>PC-3.2. Able to prescribe medicines, medical devices and medical nutrition, taking into account the diagnosis, age and clinical picture of the disease and in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care</p> <p>PC-3.3. Able to prescribe non-drug treatment, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care.</p> <p>PC-3.4. Able to evaluate the effectiveness and safety of the use of drugs, medical devices, clinical nutrition and other methods of treatment.</p>

Competence code	Competence descriptor	Competence formation indicators (within this course)
		<p>PC-3.5. Able to provide palliative care in cooperation with medical specialists and other medical professionals.</p> <p>PC-3.6. Able to organize personalized treatment of the patient, including pregnant women, elderly and senile patients, evaluate the effectiveness and safety of treatment.</p>
PC-5	Able to carry out and monitor the effectiveness of measures to prevent and promote a healthy lifestyle and sanitary and hygienic education of the population	<p>PC-5.1. Able to organize and conduct medical examinations taking into account age, state of health, profession in accordance with current regulatory legal acts and other documents.</p> <p>PC-5.2. Able to organize and control the immunoprophylaxis of infectious diseases in the adult population in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care.</p> <p>PC-5.3. Able to carry out medical examination of the adult population for the purpose of early detection of chronic non-communicable diseases and the main risk factors for their development in accordance with the current regulatory legal acts and other documents.</p> <p>PC-5.4. Able to conduct dispensary observation of patients with identified chronic non-communicable diseases.</p>

Competence code	Competence descriptor	Competence formation indicators (within this course)
		<p>PC-5.5. Able to prescribe preventive measures to patients taking into account risk factors in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care.</p> <p>PC-5.6. Able to monitor compliance with preventive measures.</p> <p>PC-5.7. Able to determine medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist doctor in case of infectious (parasitic) diseases.</p> <p>PC-5.8. Able to issue and send to the territorial body of the Federal Service for Supervision of Consumer Rights Protection and Human Welfare an emergency notification in case of detection of an infectious or occupational disease.</p> <p>PC-5.9. Able to carry out anti-epidemic measures in the event of a focus of infection, including quarantine measures in case of detection of especially dangerous (quarantine) infectious diseases.</p> <p>PC-5.10. Able to form healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances.</p> <p>PC-5.11. Able to evaluate the effectiveness of preventive work with patients.</p>

### 3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the core/variable/elective\* component of (B1) block of the higher educational programme curriculum.

\* - Underline whatever applicable.

Within the higher education programme students also master other (modules) and / or internships that contribute to the achievement of the expected learning outcomes as results of the course study.

*Table 3.1. The list of the higher education programme components/disciplines that contribute to the achievement of the expected learning outcomes as the course study results*

<b>Competence code</b>	<b>Competence descriptor</b>	<b>Previous courses/modules*</b>	<b>Subsequent courses/modules*</b>
GC-5	Able to assess morphofunctional, physiological conditions and pathological processes of the human body to solve professional tasks	Biochemistry, Normal Physiology, Topographic Anatomy and Operative Surgery, Faculty Surgery, Faculty Therapy	Anesthesiology, Intensive Care, Intensive Therapy
GC -7	Able to prescribe treatment and monitor its effectiveness and safety	Faculty Surgery, Faculty Therapy	Polyclinic Therapy
PC-1	Able to provide medical care to the patient in urgent or emergency forms	Topographic Anatomy and Operative Surgery, Faculty Surgery	Anesthesiology, Intensive Care, Intensive Therapy
PC -2	Able to exam the patient in order to establish a diagnosis	Faculty Surgery, Faculty Therapy	Anesthesiology, Intensive Care, Intensive Therapy
PC -3	Able to prescribe treatment and monitor its effectiveness and safety	Faculty Surgery	Anesthesiology, Intensive Care, Intensive Therapy
PC -5	Able to carry out and monitor the effectiveness of measures to prevent and promote a healthy lifestyle and sanitary and hygienic education of the population	Urology, Faculty Therapy	Maxillofacial Surgery, Oncology, Radiation Therapy

#### **4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES**

The total workload of the course “Hospital Surgery, Pediatric Surgery” is 10 credits (360 academic hours).

*Table 4.1. Types of academic activities during the periods of higher education programme mastering (full-time training)\**



Type of academic activities	Total academic hours	Semesters/training modules				
		9	10	11	12	
<i>Contact academic hours</i>	<b>263</b>	<b>85</b>	<b>80</b>	<b>34</b>	<b>64</b>	
including:						
Lectures (LC)	-	-	-	-	-	
Lab work (LW)	263	85	80	34	64	
Seminars (workshops/tutorials) (S)	-	-	-	-	-	
<i>Self-studies</i>	70	23	10	29	8	
<i>Evaluation and assessment (exam/passing/failing grade)</i>	27	-	18	9	-	
<b>Course workload</b>	academic hours	<b>360</b>	<b>108</b>	<b>108</b>	<b>72</b>	<b>72</b>
	credits	<b>10</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>

## 5. COURSE CONTENTS

*Table 5.1. Course contents and academic activities types*

Course module title	Course module contents (topics)	Academic activities types
<b>Section 1</b> Cardiovascular Surgery	<b>Topic 1.1.</b> Anatomy of the cardiovascular system. General issues of diagnosis and treatment of diseases of the heart and blood vessels (ultrasound, CT, radioisotope studies, etc.).	<b>LW</b>
	<b>Topic 1.2.</b> Congenital malformations of blood vessels. Traumatic vascular injury.	<b>LW</b>
	<b>Topic 1.3.</b> Acute arterial thrombosis and embolism.	<b>LW</b>
	<b>Topic 1.4.</b> Aneurysms of the aorta and arteries.	<b>LW</b>
	<b>Topic 1.5.</b> Stenosing diseases of the branches of the aorta.	<b>LW</b>
	<b>Topic 1.6.</b> Varicose veins of the lower extremities.	<b>LW</b>
	<b>Topic 1.7.</b> Thrombophlebitis and phlebothrombosis. Pulmonary embolism.	<b>LW</b>
	<b>Topic 1.8.</b> Chronic venous insufficiency. Post-thrombophlebitic syndrome.	<b>LW</b>
	<b>Topic 1.9.</b> Diseases of the lymphatic system.	<b>LW</b>
	<b>Topic 1.10.</b> Endovascular methods for the treatment of diseases of the heart and blood vessels.	<b>LW</b>
	<b>Topic 1.11.</b> Congenital heart defects.	<b>LW</b>
	<b>Topic 1.12.</b> Acquired heart defects.	<b>LW</b>
	<b>Topic 1.13.</b> Ischemic heart disease and its complications.	<b>LW</b>

<b>Course module title</b>	<b>Course module contents (topics)</b>	<b>Academic activities types</b>
	<b>Topic 1.14.</b> Pathology of the conduction system of the heart.	<b>LW</b>
	<b>Topic 1.15.</b> Pathology of the pericardium (pericarditis, tamponade, cysts, tumors of the pericardium).	<b>LW</b>
	<b>Topic 1.16.</b> Pathology of the myocardium (myocarditis, cardiomyopathy).	<b>LW</b>
	<b>Topic 1.17.</b> Tumors of the heart.	<b>LW</b>
<b>Section 2</b> Abdominal Surgery	<b>Topic 2.1.</b> Acute appendicitis	<b>LW</b>
	<b>Topic 2.2.</b> Diseases of the gallbladder.	<b>LW</b>
	<b>Topic 2.3.</b> Diseases of the extrahepatic bile ducts.	<b>LW</b>
	<b>Topic 2.4.</b> Diseases of the pancreas.	<b>LW</b>
	<b>Topic 2.5.</b> Diseases of the liver.	<b>LW</b>
	<b>Topic 2.6.</b> Diseases of the stomach and duodenum.	<b>LW</b>
	<b>Topic 2.7.</b> Diseases of the operated stomach.	<b>LW</b>
	<b>Topic 2.8.</b> Diseases of the intestines.	<b>LW</b>
	<b>Topic 2.9.</b> Acute intestinal obstruction.	<b>LW</b>
	<b>Topic 2.10.</b> Peritonitis.	<b>LW</b>
<b>Section 3</b> Thoracic Surgery	<b>Topic 3.1.</b> General issues of diagnosis and treatment of lung diseases.	<b>LW</b>
	<b>Topic 3.2.</b> Injuries to the chest, trachea, bronchi, lungs and pleura.	<b>LW</b>
	<b>Topic 3.3.</b> Diseases of the chest wall and pleura.	<b>LW</b>
	<b>Topic 3.4.</b> Damage and foreign bodies of the esophagus.	<b>LW</b>
	<b>Topic 3.5.</b> Burns and cicatricial strictures of the esophagus.	<b>LW</b>
	<b>Topic 3.6.</b> Tumors of the esophagus.	<b>LW</b>
	<b>Topic 3.7.</b> Diseases of the trachea.	<b>LW</b>
	<b>Topic 3.8.</b> Benign and malignant tumors of the lung.	<b>LW</b>
	<b>Topic 3.9.</b> Diagnosis and treatment of tumors and cysts of the mediastinum.	<b>LW</b>
	<b>Topic 3.10.</b> Diaphragm diseases.	<b>LW</b>
	<b>Topic 3.11.</b> Malformations, cysts and diverticula of the esophagus.	<b>LW</b>
	<b>Topic 3.12.</b> Neuromuscular diseases of the esophagus.	<b>LW</b>
<b>Section 4</b> Pediatric Surgery	<b>Topic 4.1.</b> Peculiarities of childhood surgery: goals and objectives, history of development.	<b>LW</b>
	<b>Topic 4.2.</b> Anatomical and physiological features of the child's body.	<b>LW</b>

<b>Course module title</b>	<b>Course module contents (topics)</b>	<b>Academic activities types</b>
	<b>Topic 4.3.</b> Features of purulent surgical infection in children.	<b>LW</b>
	<b>Topic 4.4.</b> Soft tissue ulcers: phlegmon of newborns, omphalitis, purulent mastitis, pseudofurunculosis.	<b>LW</b>
	<b>Topic 4.5.</b> Acute hematogenous osteomyelitis in children.	<b>LW</b>
	<b>Topic 4.6.</b> Acute purulent destructive pneumonia in children.	<b>LW</b>
	<b>Topic 4.7.</b> Surgical pathology of the lungs in children: congenital malformations of the lungs, bronchiectasis, foreign bodies of the trachea and bronchi.	<b>LW</b>
	<b>Topic 4.8.</b> Acute appendicitis in children.	<b>LW</b>
	<b>Topic 4.9.</b> Peritonitis of newborns and infants. Etiology, diagnosis, treatment.	<b>LW</b>
	<b>Topic 4.10.</b> Acute intestinal obstruction in children (congenital and acquired).	<b>LW</b>
	<b>Topic 4.11.</b> Malformations of newborns.	<b>LW</b>
	<b>Topic 4.12.</b> Esophageal atresia, diaphragmatic hernia, pyloric stenosis, anal atresia.	<b>LW</b>
	<b>Topic 4.13.</b> Inguinal hernia and dropsy of the testicles, varicocele, phimosis, cryptorchidism in children.	<b>LW</b>
	<b>Topic 4.14.</b> Peculiarities of childhood traumatology, trauma of skeletal bones, chest, abdomen and craniocerebral trauma.	<b>LW</b>

## **6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS**

*Table 6.1. Classroom equipment and technology support requirements*

<b>Type of academic activities</b>	<b>Classroom equipment</b>	<b>Specialised educational / laboratory equipment, software, and materials for course study (if necessary)</b>
Seminar	Classroom for conducting seminar-type classes, group and individual	A set of specialized furniture; a set of devices includes: a multimedia

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
	<p>consultations, current control and intermediate certification, equipped with a set of specialized furniture and technical devices for multimedia presentations.</p> <p>Office room №161, 162, conference hall for 300 seats, CHUZ "Central Clinical Hospital "RZD-Medicine", 129128, Moscow, Budaiskaya str., 2</p>	<p>projector, a laptop, a set of dummies, a set of educational videos and presentations, a set of analog and digital radiographs, tomograms, sonograms, educational posters and tables.</p> <p>Software: Microsoft Windows, MS Office/Office 365, MS Teams, Chrome (latest stable release), Skype</p>
Lab work	<p>A classroom for laboratory work, individual consultations, current and mid-term assessment; equipped with a set of specialised furniture and machinery.</p>	<p>A set of specialized furniture; a set of devices includes: a multimedia projector, a laptop, a set of dummies, a set of educational videos and presentations, a set of analog and digital radiographs, tomograms, sonograms, educational posters and tables.</p> <p>Software: Microsoft Windows, MS Office/Office 365, MS Teams, Chrome (latest stable release), Skype</p>
Self-studies	<p>Classroom for self-study of students (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to the Electronic Information Educational Environment.</p>	

## 7. RESOURCES RECOMMENDED FOR COURSE STUDY

### *Main readings:*

1. The main stages in the development of domestic pediatric surgery: Educational and methodological manual / P.I. Manzhos [i dr.]. – M.: Publishing House of RUDN University, 2015. – 69 p. - ISBN 978-5-209-06308-7: 54.97. 57.334/337 - O-75
2. Qualification tests for pediatric surgery: Educational and methodological manual / P.I. Manzhos [i dr.]. - M.: Publishing House of RUDN University, 2015. - 134 p.: ill. - ISBN 978-5-209-06307-0: 95.44. 57.334/337 - K32
3. Abdominal, urgent and purulent surgery in children: Educational and methodological manual / P.I. Manzhos [i dr.]. – M.: Publishing House of RUDN University, 2015. – 149 p. - ISBN 978-5-209-06770-2: 94.13. 57.3 - A 13

4. Diagnosis of bradyarrhythmia / Faybushevich A.G., Baranovich V.Yu., Bachu M.R.Kh., Veretnik G.I., Gitelzon E.A. // RUDN. - 2020. - 77 p.
5. Cardiomyopathy and myocarditis: teaching aid / Faybushevich A.G., Veretnik G.I., Baranovich V.Yu., Bachu M.R.Kh., Gitelzon E.A., Barinov A.V., Gitelson D. .G.//RUDN. - 2020 - 65 pages
6. Cardiovascular surgery in questions and answers / Faybushevich A.G., Maksimkin D.A., Baranovich V.Yu., Veretnik G.I., Gitelzon E.A.//PFUR. - 2022. - 333 p.
7. Anatomy of the heart: in diagrams and drawings / Veretnik G.I., Bachu M.R.Kh., Faybushevich A.G., Orlova A.M., Gitelzon E.A. //RUDN. - 2022. - 83 p.
8. Pediatric surgery: Textbook / Ed. Yu.F. Isakova, A.Yu. Razumovsky. - M.: GEOTAR-Media, 2016.
9. General concepts of gravitational surgery [Text/electronic resource]: Teaching aid / A.V. Faibushevich [i dr.]. - Electronic text data. – M.: Publishing House of RUDN University, 2017. – 43 p.: ill. - ISBN 978-5-209-08065-7: 32.66. 54.5 - O-28
10. Cardiovascular surgery test questions = Cardiovascular surgery test question: Teaching aid: in English / A.G. Faibushevich [i dr.]. - M.: Publishing House of RUDN University, 2014. - 28 p. - ISBN 978-5-209-06309-4: 33.42. 54.573.651 - T36
11. Questions and answers on cardiovascular surgery: Textbook / A.G. Faibushevich [i dr.]. - in English. - M.: Publishing House of RUDN University, 2014. - 252 p. - ISBN 978-5-209-05847-2: 87.23. 54.573.651 - C32
12. Cardiovascular surgery in questions and answers // Faybushevich A.G. [and etc.]. - M.: Publishing house of RUDN University. -2021.-336 p.
13. Selected issues of surgery: Textbook / M.A. Chinikov, S.R. Dobrovolsky. - M.: Publishing House of RUDN University, 2013. - 119 p. - ISBN 978-5-209-04840-4: 85.14. 54.57 - I32
14. Thoracic surgery in questions and answers: Educational manual / Yu.V. Tarichko. - M.: Publishing House of RUDN University, 2012. - 114 p. - ISBN 978-5-209-04642-4: 24.19. 54.573 - T59
15. Abdominal surgery in questions and answers: Teaching aid / Yu.V. Tarichko. - M.: Publishing House of RUDN University, 2012. - 83 p. - ISBN 978-5-209-04656-1: 29.43. 54.5 - A13
16. Fundamentals of patient care in a surgical clinic: Textbook / N.G. Kostsova [i dr.]. – M.: Publishing House of RUDN University, 2017. – 176 p.: ill. - ISBN 978-5-209-08167-8: 171.17. 54.5 - O-75

*b) Additional readings:*

1. Hirurgicheskie bolezni u detej [Elektronnyj resurs]: Uchebnoe posobie / V.V. Podkamenev. - 2-e izd., pererab i dop. - M.: GEOTAR-Media, 2015. - 432 s. - ISBN 978-5-9704-3283-9.
2. Koronarnaya angiografiya [Tekst]: Uchebnoe posobie / Z.H. SHugushev [i dr.]. - M.: Izdvo RUDN, 2017. - 79 s.: il. - ISBN 978-5-209-07433-5 : 56.17.
3. Hirurgicheskoe lechenie vrozhdennyh porokov serdca [Elektronnyj resurs] / Per. s angl.; pod red. M.V. Boriskova. - M.: GEOTAR-Media, 2017. - 736 s. - ISBN 978-5-9704-4087-2.

4. Klinicheskie rekomendacii po vedeniyu detej s vrozhdennymi porokami serdca [Tekst] / Pod. red. L.A. Bokeriya. - M.: NCSSKH im. A.N. Bakuleva RAMN, 2015. - 342 s. - ISBN 978-5-7982-0335-2: 0.00
5. Limfoproliferativnye zabolevaniya (opuholi limfaticeskoy sistemy) [Tekst/elektronnyj resurs]: Uchebno-metodicheskoe posobie / V.K.Al'pidovskij, T.C.Garmaeva. - elektronnye tekstovye dannye. - M.: Izd-vo RUDN, 2012. - 32 s. - ISBN 978-5-209-04122-1: 0.00
6. Ostrye hirurgicheskie zabolevaniya organov bryushnoj polosti: ostryj appendicit, ostryj kal'kuleznyj holecistit, ostryj pankreatit [Elektronnyj resurs]: Metodicheskie rekomendacii k prakticheskim zanyatijam dlya studentov IV–VI kursov, obuchayushchihsya po speci-al'nosti «Lechebnoe delo» / S.V. Berelavichus, A.V. Smirnov. - Elektronnye tekstovye dan-nye. - M.: Izd-vo RUDN, 2018. - 68 s.: il. - ISBN 978-5-209-09088-5.
7. Abdominal Surgery in Questions and Answers [Tekst/elektronnyj resurs]: Education-al-Methodical Handbook / F.S. Kurbanov [i dr.]. - Elektronnye tekstovye dannye. - M.: Peoples` Friendship University of Russia, 2018. - 78 c. - ISBN 978-5-209-08750-2: 48.74.

*Internet-(based) sources:*

1. Electronic libraries with access for RUDN students:

- <http://lib.rudn.ru/MegaPro/Web>

- <http://www.biblioclub.ru>

- <http://www.biblio-online.ru>

- [www.studentlibrary.ru](http://www.studentlibrary.ru)

- <http://e.lanbook.com/>

2. Databases and search engines:

- <http://docs.cntd.ru/>

- <https://www.yandex.ru/>

- <https://www.google.ru/>

- <http://www.elsevierscience.ru/products/scopus/>

*Training toolkit for self- studies to master the course \*:*

1. The set of lectures on the course “Hospital Surgery, Pediatric Surgery”

\* The training toolkit for self- studies to master the course is placed on the course page in the university telecommunication training and information system under the set procedure.

## **8. ASSESSMENT TOOLKIT AND GRADING SYSTEM\* FOR EVALUATION OF STUDENTS' COMPETENCES LEVEL UPON COURSE COMPLETION**

The assessment toolkit and the grading system\* to evaluate the competences formation level (GC-5, GC-7, PC-1, PC-2, PC-3, PC-5) upon the course study completion are specified in the Appendix to the course syllabus.

\* The assessment toolkit and the grading system are formed on the basis of the requirements of the relevant local normative act of RUDN University (regulations / order).

## DEVELOPERS:

<b>Associate Professor of Department of Hospital Surgery with the Course of Pediatric Surgery</b> position, department	signature	<b>Baranovich V.Yu</b> name and surname
<b>Associate Professor of Department of Hospital Surgery with the Course of Pediatric Surgery</b> position, department	signature	<b>Manzhos P.I.</b> name and surname
<b>Associate Professor of Department of Hospital Surgery with the Course of Pediatric Surgery</b> position, department	signature	<b>Veretnik G.I.</b> name and surname
<b>Professor of Department of Hospital Surgery with the Course of Pediatric Surgery</b> position, department	signature	<b>Chinikov M.A.</b> name and surname

## HEAD OF THE DEPARTMENT:

<b>Department of Hospital Surgery with the Course of Pediatric Surgery</b> name of the department	signature	<b>Faybushevich A.G.</b> name and surname
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## HEAD OF HIGHER EDUCATION PROGRAMME:

<b>Deputy Director of the MI</b> position, department	signature	<b>Radish I.V.</b> name and surname
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