

SYLLABUS
concerning the cycle of education 2023-2029
(date range)

1.1. BASIC INFORMATION CONCERNING THIS SUBJECT / MODULE

Subject / Module	Surgery
Course code / module *	Ch/F
Faculty of (name of the leading direction)	Medical College of Rzeszów University
Department Name	Medical College of Rzeszów University
Field of study	medical direction
Level of education	uniform master's studies
Profile	practical
Form of study	stationary / extramural
Year and semester	year VI, semester XI
Type of course	obligatory
Coordinator	Prof. J Olędzki
First and Last Name of the Teacher	

* - According to the resolutions of the Faculty of Medicine

1.2. Forms of classes, number of hours and ECTS

Lecture	Exercise	Conversation	Laboratory	Seminar	ZP	Practical	Self-learning	Number of points ECTS
-	120	-	-	-	-	-	80	8

1.3. The form of class activities

☒ classes are in the traditional form

☐ classes are implemented using methods and techniques of distance learning

1.4. Examination Forms / module (exam, credit with grade or credit without grade)

2. REQUIREMENTS

Knowledge in general surgery from semester 7, 8, 9 and 10

3. OBJECTIVES, OUTCOMES, AND PROGRAM CONTENT USED IN TEACHING METHODS

3.1. Objectives of this course/module

C1	The acquisition of practical skills in the field of thoracic and general surgery, cardiosurgery and transplantology
C2	Acquiring the ability to examine patients with abdominal diseases and performing basic surgical operations, i.e. catheterization of the bladder, dressing changes, removal of seams, drains, probing of the stomach, etc.
C3	Assistance during surgery
C4	Preparation of the operating room and local anesthesia for the operative area;
C5	Understanding the most common complications of surgical treatment and the principles of their prevention.

3.2 OUTCOMES FOR THE COURSE / MODULE (TO BE COMPLETED BY THE COORDINATOR)

EK (the effect of education)	The content of the learning effect defined for the subject (module)	Reference to directional effects (KEK)
EK_01	knows and understands the causes, symptoms, principles of diagnosis and therapeutic treatment in relation to the most common diseases requiring surgical intervention, taking into account the distinctiveness of children's age, in particular: a) acute and chronic diseases of the abdominal cavity, b) chest diseases, c) diseases of limbs and head, d) bone fractures and organ injuries	F.W1.
EK_02	knows selected issues in pediatric surgery, including traumatology and otorhinolaryngology, defects and acquired diseases being an indication for surgical treatment in children	F.W2.
EK_03	knows the rules for the qualification and performance of basic surgical procedures and invasive diagnostic and therapeutic procedures	F.W3.
EK_04	knows the principles of perioperative safety, patient preparation for surgery, general anesthesia, local and controlled sedation	F.W4.
EK_05	knows in a basic scope the issues of surgical transplantology, indications for transplantation of irreversibly damaged organs and tissues and procedures related to this	F.W14.
EK_06	Assists with typical surgery, can prepare the operating field and anesthetize the local surgical area	F.U1.
EK_07	uses basic surgical tools	F.U2.

EK_08	applies to the principles of aseptic and antisepsis	F.U3.
EK_09	can provide a simple wound, set up and change a sterile surgical dressing	F.U4.
EK_10	can examine nipples, lymph nodes, thyroid gland and abdominal cavity in the aspect of an acute abdomen, as well as perform a finger examination through the anus	F.U6.
EK_11	He is able to establish and maintain a deep and respectful contact with the patient	K.01.
EK_12	He is guided by the good of the patient, placing them in the first place	K.02.
EK_13	Respects medical confidentiality and patient's rights	K.03.

3.3 CONTENT CURRICULUM (filled by the coordinator)

A. Exercises

Treści merytoryczne
<p>Practical teaching in the field of General Surgery:</p> <ul style="list-style-type: none"> a) medical history, physical examination, differential diagnosis b) interpretation of laboratory tests c) assessment of the patient's condition d) planning of diagnostic, prophylactic and therapeutic procedures, specialist consultations e) performing medical procedures and procedures f) undertaking preventive and curative measures in the event of a threat to life g) keeping medical records
<p>Practical teaching in the field of chest surgery:</p> <ul style="list-style-type: none"> a) medical history, physical examination, differential diagnosis b) interpretation of laboratory tests c) assessment of the patient's condition d) planning of diagnostic, prophylactic and therapeutic procedures, specialist consultations e) performing medical procedures and procedures f) undertaking preventive and curative measures in the event of a threat to life g) keeping medical records
<p>Practical teaching in the field of cardiac surgery:</p> <ul style="list-style-type: none"> a) medical history, physical examination, differential diagnosis

b) interpretation of laboratory tests c) assessment of the patient's condition d) planning of diagnostic, prophylactic and therapeutic procedures, specialist consultations e) execution of procedures and medical procedures f) undertaking preventive and curative measures in the event of a threat to life g) keeping medical records
Practical teaching in the field of vascular surgery: a) medical history, physical examination, differential diagnosis b) interpretation of laboratory tests c) assessment of the patient's condition d) planning of diagnostic, prophylactic and therapeutic procedures, specialist consultations e) performing medical procedures and procedures f) undertaking preventive and curative measures in the event of a threat to life g) keeping medical records
Practical teaching in the field of Trauma: a) medical history, physical examination, differential diagnosis b) interpretation of laboratory tests c) assessment of the patient's condition d) planning of diagnostic, prophylactic and therapeutic procedures, specialist consultations e) performing medical procedures and procedures f) undertaking preventive and curative measures in the event of a threat to life g) keeping medical records

3.4 TEACHING METHODS

Exercises: working with the patient, analyzing diagnostic tests

Student's own work: work with a book

4 METHODS AND EVALUATION CRITERIA

4.1 Methods of verification of learning outcomes

Symbol of effect	Methods of assessment of learning outcomes (Eg.: tests, oral exams, written exams, project reports, observations during classes)	Form of classes
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EK_01 EK_02 EK_03 EK_04 EK_05	Written or oral exam	
EK_06 EK_07 EK_08 EK_09 EK_10 EK_11 EK_12 EK_13	credit with the grade based on the student's observation including: - attendance - implementation of commissioned tasks	Exercises

4.2 Conditions for completing the course (evaluation criteria)

<p>Written or oral exam.</p> <p>Evaluation criteria</p> <p>5.0 - has knowledge of the education content at the level of 93% -100%</p> <p>4.5 - has knowledge of the content of education at the level of 85% -92%</p> <p>4.0 - has knowledge of the content of education at the level of 77% -84%</p> <p>3.5 - has knowledge of the content of education at the level of 69% -76%</p> <p>3.0 - has knowledge of the content of education at the level of 60% -68%</p> <p>2.0 - has knowledge of the educational content below 60%</p> <p>Exercises - practical clinical teaching</p> <p>Daily clinical assessment (evaluation of the procedure for each procedure)</p> <p>Single direct observation (observation while receiving one patient)</p> <p>Long-term observation (summary assessment of many skills for a long time)</p> <p>Evaluation criteria</p> <p>5.0 - has knowledge of the education content at the level of 93% -100%</p> <p>4.5 - has knowledge of the content of education at the level of 85% -92%</p> <p>4.0 - has knowledge of the content of education at the level of 77% -84%</p> <p>3.5 - has knowledge of the content of education at the level of 69% -76%</p> <p>3.0 - has knowledge of the content of education at the level of 60% -68%</p> <p>2.0 - has knowledge of the educational content below 60%</p>

5. Total student workload required to achieve the desired result in hours and ECTS credits

Activity	Hours / student work
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Hours of classes according to plan with the teacher	120
Preparation for classes	30
Participation in the consultations	2
The time to write a paper / essay	-
Preparation for tests	50
Participation in colloquia	1
Other (e-learning)	-
SUM OF HOURS	203
TOTAL NUMBER OF ECTS	8

6. TRAINING PRACTICES IN THE SUBJECT / MODUL

Number of hours	-
Rules and forms of apprenticeship	-

6. LITERATURE

READING:

1. Bradbury A.W, Forsythe.L.RJ., Garden O.J., Parks R.W.. „Chirurgia”. Podręcznik dla studentów, wyd. I polskie, red. Borówka A., Dziak A., Kołodziej J., Popiela T., Szmidt J., Zembala M., Ząbek M., Wydawnictwo Urban & Partner, Wrocław 2009.
2. Noszczyk W.. „Chirurgia repetytorium”. Wyd. I, Wydawnictwo Lekarskie PZWL, Warszawa 2009.
3. Czernik J. (red.): Chirurgia Dziecięca. PZWL, W-wa 2005.
4. Wagner A A.: Chirurgia dziecięca – Poradnik dla lekarzy pierwszego kontaktu. PZWL, W- wa, 2003.
5. Noszczyk W.: Chirurgia repetytorium . PZWL - Warszawa 2009
6. Noszczyk W.: Chirurgia. PZWL - Warszawa 2005
7. Pączek L., Mucha K., Foroniewicz B. (red.), Transplantologia praktyczna. Tom 1.Odrzucanie przeszczepu. Wydawnictwo Czelej 2008.
8. Pączek L., Foroniewicz B., Mucha K. (red.), Transplantologia praktyczna. Tom 2.Nowotwory po przeszczepieniu narządów. Wydawnictwo Naukowe PWN 2009.
9. Nutbeam T., Daniels R., Procedury zabiegowe, PZWL, 2011.
10. Theresa Campo, Keith Lafferty , Stany nagłe. Podstawowe procedury zabiegowe.

Acceptance Unit Manager or authorized person