

SYLLABUS
concerning the cycle of education 2022-2028
(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 IV, semester VIII
Type of course	obligatory
Coordinator	dr hab. 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
15	25	-	-	20	-	-	65	5

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 of the basics of surgery, including: wound delivery techniques and basic procedures, surgical anatomy, pathophysiology, histopathology, treatment of infections, imaging diagnostics

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

3.1. Objectives of this course/module

C1	Mastering the theoretical foundations concerning the etiology, symptomatology, diagnosis and treatment of acute and chronic surgical illnesses.
C2	Getting to know the work in the surgical ward, on the operating theater, in the endoscopic laboratory and in the surgical clinic.
C3	Acquiring the ability to examine patients with abdominal diseases and perform basic surgical operations, i.e. bladder catheterization, dressing change, removal of seams, drains, stomach probing, etc.
C4	Ability to assist in the surgery,
C5	Ability to prepare the operating room and perform local anesthesia in the surgical area;
C6	Broadening the knowledge of general surgery with elements of urology, endocrinology, cardiology
C7	Mastering the theoretical and practical foundations in the field of thoracic and general surgery, cardiosurgery and transplantology

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	He knows and understands the causes, symptoms and principles diagnosing and therapeutic treatment in for the most common diseases requiring intervention surgery, taking into account the distinctiveness of childhood, including in particular: a) acute diseases of the abdominal cavity,	F.W1.
EK_02	He knows selected issues in the field of pediatric surgery, including traumatology and otorhinolaryngology, defects and acquired diseases being indications for surgical treatment in children;	F.W2
EK_03	He knows the rules of qualifications and performance as well as the most common complications of basic surgical procedures and in-situ diagnostic and therapeutic procedures;	F.W3
EK_04	He knows the principles of perioperative safety, patient preparation for surgery, general and local anesthesia and controlled sedation	F.W4
EK_05	Assists with a typical surgical procedure, prepares an operating field and desensitizes the localized area;	F.U1
EK_06	Uses basic surgical instruments;	F.U2.
EK_07	Applies to the principles of asepsis and antisepsis;	F.U3.

EK_08	Supplies a simple wound, assumes and changes the sterile surgical dressing;	F.U4
EK_09	He examines nipples, lymph nodes, thyroid gland and abdominal cavity in the aspect of an acute abdomen, and also performs a finger examination through the anus.	F.U6.
EK_10	He is able to establish and maintain a deep and respectful contact with the patient	K.01.
EK_11	He is guided by the good of the patient, placing them in the first place	K.02.
EK_12	Respects medical confidentiality and patient's rights	K.03.

3.3 CONTENT CURRICULUM (filled by the coordinator)

A. Lectures

Course contents
Abs rectal abscesses
Fistulas around rectal
Colorectal cancer
Principles of surgical treatment of colon diseases
Diagnosis of acute abdominal diseases.
Thyroid neoplasms.
A hypercalcemic breakthrough - diagnostics and rules of conduct.
Biliary surgery - diagnostics and treatment.
Complications in surgery - management and treatment.

B. Exercises

Course contents
Demonstration of surgical patients. Subject research. Discussing the sick. Physical examination of patients, discussion of techniques depending on the type of disease.
Rules of conduct in a trauma reception room. Proceedings with traumatic patients in Clinical Units. Intensive Post-Operative Care Unit. Practical rules of dealing with patients in shock.
Practical classes as part of the operating block. Surgical tools - division and application. The science of surgical suturing.
Methods for sterilization of surgical instruments and dressing material. Antisepsis of the hands and operating field.

Qualification for surgical procedures. Basic indications for surgical procedures in vascular surgery. Discussion based on the examined patients.
The operating system of the surgical ward. The specificity of pediatric surgery. Perioperative management.
One day surgery - basic surgical procedures in pediatric surgery - operating block
Injuries in children - a hospital emergency department
One day surgery - basic surgical procedures in pediatric surgery - operating block

C. Seminars

Course contents
The specifics of the surgical examination. Basic principles of differential diagnosis in surgery, taking into account the latest supplementary diagnostic methods (endoscopic, ultrasonographic and computed tomography)
Injuries. Classifications of injuries (open, closed, fractures, dislocations). Injuries of the vaso-nerve bundle, bones and joints. Injuries to internal organs. Wounds and their types, methods of healing and surgical treatment.
The organizational system of surgical care in children
One day surgery - basic surgical procedures in pediatric surgery
Basic injuries in children
Acute abdominal discomfort and so-called "Acute scrotum"
Burns
Newborn surgery
Pediatric surgery. Minimally invasive surgery
Pediatric urology. Children's oncology

3.4 TEACHING METHODS

Wykład: wykład z prezentacją multimedialną.

Ćwiczenia: zajęcia praktyczne

Seminarium: wykład z prezentacją multimedialną, praca własna.

Praca własna studenta: praca z książką

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
EK_01, EK_02	Written test with open, closed and problem questions.	Lectures
EK_03,EK_04,EK_05, EK_06, EK_07, EK_08, EK_09, EK_10, EK_11, EK_12	Practical credit - case study.	Exercises

4.2 Conditions for completing the course (evaluation criteria)

Lectures (EK_01, EK_02):

1. test pass and open questions:

A: Questions in the field of messages to remember;

B: Questions in the field of speech to understand;

C: Solving a typical written task;

D: Solving an atypical writing task;

- for insufficient solution of tasks only from areas A and B = grade 2.0

- for solving tasks only from areas A and B, the possibility of obtaining max. rating 3.0

- for solving tasks from the area A + B + C, the possibility of obtaining max. grade 4.0 - for solving tasks from the A + B + C + D area, the possibility of obtaining a rating of 5.0

Knowledge assessment:

Written test

5.0 - has knowledge of each of the contents of education at the level of 90% -100%

4.5 - has knowledge of each of the content of education at the level of 84% -89%

4.0 - has knowledge of each of the content of education at the level of 77% -83%

3.5 - has knowledge of each of the content of education at the level of 70% -76%

3.0 - has knowledge of each of the content of education at the level of 60% -69%

2.0 - has knowledge of each of the contents of education below 60%

Exercises, seminars (EK_03, EK_04, EK_05, EK_06, EK_07)

credit with an assessment including:

- attendance

- activity on exercises

- grades from partial tests

Skill assessment

5.0 - the student actively participates in the classes, is well prepared, very well acquires theoretical and practical knowledge in the field of etiology, symptomatology, diagnosis and treatment of acute and chronic surgical illnesses, is able to correctly examine the patient with abdominal disorders and perform basic surgical procedures

4.5 - the student actively participates in the classes, has a good degree of theoretical and practical knowledge in the field of etiology, symptomatology, diagnosis and treatment of acute and chronic surgical diseases, it is able to carry out the examination of a patient with abdominal disorders and perform basic surgical procedures

4.0 - the student actively participates in classes, is improved, has a good theoretical and practical knowledge in the field of etiology, symptomatology, diagnosis and treatment of acute and chronic surgical illnesses, he is able to correctly test a patient with abdominal diseases and perform basic surgical operations

3.5 - the student participates in classes, his scope of preparation does not allow for a comprehensive presentation of the discussed problem, he has sufficiently acquired theoretical and practical knowledge in the field of etiology, symptomatology, diagnosis and treatment of acute and chronic surgical diseases, it is able to carry out the examination of a patient with abdominal disorders and perform basic surgical procedures, however, it is often corrected

3.0 - student participates in classes, sufficiently acquired theoretical and practical knowledge in the field of etiology, symptomatology, diagnosis and treatment of acute and chronic surgical diseases, can carry out the examination of a patient with abdominal disorders and perform basic surgical operations, however, it is often corrected

2.0 - the student passively participates in the classes, the statements are incorrect in substance, he did not sufficiently acquire theoretical and practical knowledge in the field of etiology, symptomatology, diagnosis and treatment of acute and chronic surgical illnesses, he can not properly carry out the examination of the patient with abdominal diseases and perform basic surgical procedures, make frequent mistakes

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

Activity	Hours / student work
Hours of classes according to plan with the teacher	60
Preparation for classes	30
Participation in the consultations	2
The time to write a paper / essay	-
Preparation for tests	35
Participation in colloquia	1
Other (e-learning)	-
SUM OF HOURS	128

TOTAL NUMBER OF ECTS	5
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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