



48SJ-SUG2

ECTS: 3

YEAR: 2023Z

SURGERY 2

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**COURSE CONTENT
CLASSES**

General surgery: 1) Modern Management of Inguinal Hernia 2) Appendix and Acute Abdomen 3) Modern Management of Obesity 4) Acute Appendicitis 5) Gallstones: Gallbladder and Bile Duct 6) Stomach and Esophageal Cancers 7) Hemorrhagic Shock 8) Gastrointestinal Obstruction Pediatric surgery: 1. Symptomatology, diagnostics and surgical treatment in childhood with particular emphasis on subjective and objective examination. 2. Differences surgical acute abdominal disorders in children 3. Purulent inflammation of the skin and subcutaneous tissue. Vascular surgery: 1. Chronic wounds and ulcers - treatment (arterial and venous ulcers). Modern dressings - type, mechanism of action. 2. Infection of surgical site: superficial and deep. Analysis of the risk of infection. 3. Preparation of the patient for surgery and post-operative care, monitoring, (malnutrition, parenteral nutrition and enteral), biochemistry, the term operational risk

LECTURES

Thyroid Gland. The Spleen. Neoplasms of the Exocrine Pancreas. Ileus and Bowel Obstruction. Gastroduodenal Ulceration

EDUCATIONAL OBJECTIVE:

Student is to assess the general condition of a patient, can recognize life-threatening surgical issues. Student's obligation is to recognize and diagnose oncological disease that requires treatment in various stages in order to turn the patient for appropriate treatment. Student has to be acknowledged with early oncological diagnostics of surgical diseases. The next obligation is being able to recognize malicious/benign tumour. The student is to know how to treat malicious tumours and complications of oncological disease. The next requirement is being in possession of knowledge how to treat with usage of blood. The student must know the procedure of blood and blood products transfusion. The student has to be acquainted with the procedure of treatment of complications that occurred after the transfusion. The student respects the patients and medical staff. The student knows indications and contraindications of cardiac intervention. The student has to participate in surgeries

**DESCRIPTION OF LEARNING OUTCOMES FOR THE COURSE IN RELATION TO FIELD AND MAJOR
LEARNING OUTCOMES**

Codes of learning outcomes in a major field of study: M/NM+++,

Codes of learning outcomes in a major area of study: F.U1.+ , F.U2.+ , F.U3.+ , F.U4.+ , F.U5.+ , F.U6.+ , F.U7.+ , F.U9.+ , F.W1.+ , F.W2.+ , F.W3.+ , F.W5.+ , K.1.+ , K.2.+ , K.3.+ , K.5+ , K.6.+ , K.7.+ ,

LEARNING OUTCOMES:**Knowledge**

W1 - -The student knows and understands the causes, symptoms, principles of diagnosis and therapeutic management of the most common diseases requiring surgical intervention, taking into account the differences of childhood, including in particular: a) acute and chronic diseases of the abdominal cavity, b) the diseases of the chest, c) limbs and head diseases, d) bone fractures and injuries of organs

W2 - - The student knows the safety rules perioperative, preparing a patient for surgery, anesthesia general and local and controlled sedation

W3 - - The student knows the symptoms, principles of diagnosis and management of the most common pediatric surgery conditions -knows basically the problems of interventional transplantology, indications for transplantation of irreversibly damaged ones organs and tissues and related procedures - - The student correctly qualifies patients for surgery and invasive procedures

Skills

- U1 - conducting a medical interview with an adult patient
- U2 - Conducting a medical interview with a child and his family
- U3 - conducting a complete physical examination of an adult patient
- U4 - Recognizing urgent medical conditions
- U5 - planning diagnostic, therapeutic and preventive procedures

Social competence

- K1 - - The student is able to establish and keep a profound and respectful relationship with a patient.
- K2 - - The student is oriented towards the patient's benefit and recognizes it as a top value.
- K3 - - The student observes patient privacy and patient rights.
- K4 - - The student is aware of his own limitations and the ability to lifelong learning.

BASIC LITERATURE

- 1) M. W. Mulholland, K. D. Lillemoe, G. M. Doherty, Greenfield's Surgery: Scientific Principles and Practice", wyd. Wolters Kluwer/Lippincott Williams & Wilkins, 2011

SUPPLEMENTARY LITERATURE

- 1) Courtney M. Townsend, R. Daniel Beauchamp, Mark Evers, Chirurgia Sabistona, wyd. Urban& Partner , 2011, t. 1-4

Course/module:

Surgery 2

Fields of education:**Course status:** mandatory**Course group:** B - przedmioty kierunkowe**ECTS code:****Field of study:** Medicine**Specialty area:** Medicine**Educational profile:** General academic**Form of study:** full-time**Level of study:** uniform master's studies**Year/semester:** 4 / 7**Type of course:**

Classes, Lecture

Number of hours per semester/week: Classes: 45, Lecture: 10**Teaching forms and methods**

Classes(K1, K2, K3, K4, U1, U2, U3, U4, U5, W1, W2, W3) : Clinical practice - Essays and short tests (W1, W10, W2, W3, W4, W5, W6, W7, W8, W9, U1, U2, U3, U4, U5, K1, K2, K3, K4), Lecture(K1, K2, K3, K4, U1, U2, U3, U4, U5, W1, W2, W3) : Lecture - Presence (W1, W10, W2, W3, W4, W5, W6, W7, W8, W9, U1, U2, U3, U4, U5, K1, K2, K3, K4)

Form and terms of the verification results:

CLASSES: Esey - Questions from the scope of the surgery (W1, W10, W2, W3, W4, W5, W6, W7, W8, W9, U1, U2, U3, U4, U5, K1, K2, K3, K4)(K1, K2, K3, K4, U1, U2, U3, U4, U5, W1, W2, W3) ; LECTURE: Part in the discussion - Questions from the scope of the surgery (W1, W10, W2, W3, W4, W5, W6, W7, W8, W9, U1, U2, U3, U4, U5, K1, K2, K3, K4)(K1, K2, K3, K4, U1, U2, U3, U4, U5, W1, W2, W3)

Number of ECTS points: 3**Language of instruction:** English**Introductory courses:**

Anatomy, physiology, pathomorphology, pathobiology, internal diseases, general surgery

Preliminary requirements:

Basic knowledge of anatomy, physiology and pathophysiology, mainly relating to wound healing, bleeding, inflammation. Knowledge of the basic concepts of asepsis, antisepsis, basic pathophysiological disorders in surgical treatment. Knowledge of anatomy and physiology of the gastrointestinal tract. Topographic anatomy of the abdominal organs. Basics of tumor biology. Basics for evaluation of surgical patients

Name of the organizational unit offering the course:

Katedra Chirurgii Ogólnej, Małoinwazyjnej i Wiekii Podeszłego,

Person in charge of the course:

dr hab. n. med. Maciej Michalik, prof. UWM

Course coordinators:**Notes:**

Detailed description of the awarded ECTS points - part B

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The awarded number of ECTS points is composed of:

1. Contact hours with the academic teacher:

- participation in: classes	45 h.
- participation in: lecture	10 h.
- consultation	2 h.
	57 h.

2. Student's independent work:

- self-work of the student	8 h.
	8 h.

1 ECTS point = 25-30 h of the average student's work, number of ECTS points = 65 h : 25 h/ECTS = 2,60 ECTS
on average: **3 ECTS**

- including the number of ECTS points for contact hours with direct participation of the academic teacher:	2,28 ECTS points,
- including the number of ECTS points for hours completed in the form of the student's independent work:	0,72 ECTS points,