



Course syllabus - part A Surgery 2

48SJ-SUG2
ECTS: 3.00
CYCLE: 2024Z

SUBJECT MATTER CONTENT

LECTURE

1. Acute appendicitis and acute abdomen. 2. Inguinal hernia. 3. Ileus and bowel obstruction. 4. Gastrointestinal bleeding. 5. Esophageal and gastric neoplasm.

CLASSES

Participation in medical briefing and medical rounds. Surgical history of the disease and medical records. Indications for surgical treatment and patient preparation. Perioperative care - monitoring and medical orders. Physical examination of the patient. Change of dressings. Observation and assistance for operations in the operating theater. Practical approach to the topics discussed during the lectures. 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

TEACHING OBJECTIVE

The student's task is to assess the general condition of the patient, identify life-threatening surgical problems. The student must be familiar with the diagnosis of surgical diseases and their initial treatment. The student must know the complications of surgeries and their treatment. It is the student's responsibility to recognize and diagnose the oncological disease in order to refer the patient to appropriate treatment. The student respects patients and medical staff. The student participates in the work of the department and assists in the operation.

DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY:

Symbols for outcomes related to the discipline:

M/NMA_P7S_WG+++ , M/NMA_P7S_UW+++ , M/NMA_P7S_KO+++

Symbols for outcomes related to the field of study:

F.W3.+ , F.W6.+ , F.U1.+ , F.W7.+ , H.U16.+ , F.W1.+ , F.W4.+ , F.U3.+ , K.2.+ , F.U8.+ , K.3.+ , K.1.+

Legal acts specifying learning outcomes:
467/2024

Disciplines: medical sciences
Status of the course: Obligatoryjny

Group of courses: B - przedmioty kierunkowe

Code: ISCED 0912

Field of study: Medicine

Scope of education:
Profile of education:

General academic

Form of studies: full-time

Level of studies: uniform master's studies

Year/semester: 4/7

Types of classes: Classes, Lecture

Number of hours in semester: Classes: 45.00, Lecture: 10.00

Language of instruction: English

Introductory subject:

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

Prerequisites: 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 organisational unit conducting the course: Katedra Chirurgii Ogólnej, Małoinwazyjnej i

Wiekii Podeszłego

Person responsible for the realization of the course: dr n. med. Natalia Dowgiałło-Gornowicz

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Additional remarks:

LEARNING OUTCOMES:

Knowledge:

W1 - The student knows: - the causes, symptoms, principles of diagnosing and applying therapeutic procedures in most frequent diseases requiring surgical intervention, the uniqueness of infancy taken into account, in particular: 1) acute and chronic abdominal diseases, 2) chest diseases, 3) limb and head diseases, 4) bone fractures and organ injuries; - the rules of qualifying for basic surgical operations and invasive diagnostic and treatment procedures, the principles of performing them and their most frequent complications; - the rules of perioperative safety, patient preparation for the surgery, performance of general and local anaesthesia and controlled sedation; - post-operative treatment with pain therapy and post-operative monitoring; - indications for and the principles of implementing intensive care; - the issues of the contemporarily employed imaging tests, especially: 1) radiological symptomatology of the basic diseases, 2) the instrumental methods and imaging techniques used in medical surgeries, 3) the indications, contraindications, and patient preparation for individual types of imaging tests, and contraindications against the use of contrast agents;

Skills:

U1 - Student knows: - conduct complete and targeted physical examination of an adult patient; - plan specialist consultations; - keep the patient's medical records; - assist in typical surgical procedures, prepare the operative field, and apply local anaesthesia of the surgical field; - use basic surgical instruments; - apply the rules of asepsis and antiseptics; - dress a simple wound, apply and change sterilised surgical dressing; - examine the nipples, lymph nodes, the thyroid gland, and the abdomen for acute abdomen and conduct finger examination through the rectum; - stop external bleedings.

Social competence:

K1 - Student knows: - establishing and maintaining a deep and respectful contact with the patient, as well as showing understanding for worldview and cultural differences; - being guided by the good of the patient; - observance of medical confidentiality and patient rights; - taking actions towards the patient based on ethical principles, with the awareness of social conditions and limitations resulting from the disease

TEACHING FORMS AND METHODS:

Classes(W1;U1;K1):Participation in medical briefing and medical rounds. Examination of the patient and discussing his case with the teacher. Observation and assistance for operations in the operating theater. Short tests to check knowledge during each class. Additionally, each student is required to prepare an essay (4 pages a4) on the given topic: "Acute abdomen"

Lecture(W1;U1;K1):Lecture with a multimedia presentation

FORM AND CONDITIONS OF VERIFYING LEARNING

OUTCOMES:

Classes (Esey) - 4 pages A4 "Acute abdomen" -

Lecture (Part in the discussion) - The presence at lectures, active participation in discussions -

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, R. 2016

SUPPLEMENTARY LITERATURE:

Detailed description of ECTS credits awarded - part B

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Surgery 2

The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

- participation in: Classes	45.0 h
- participation in: Lecture	10.0 h
- consultation	2.0
	Total: 57.0 h.

2. Independent work of a student:

18.00 h

Total: 18.0 h

contact hours + independent work of a student Total: 75.0 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS credit = 75.0 h : 25.0 h/ECTS
= 3.00 ECTS on average: 3.0 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher: 0,00 ECTS points,

- including the number of ECTS credits for hours of independent work of a student: