



48SJ-ONSU

ECTS: 3

YEAR: 2024Z

**ONCOLOGIC SURGERY  
ONCOLOGIC SURGERY****COURSE CONTENT  
CLASSES**

Prevention and early detection of cancer. Qualification rules for surgical treatment-the role of the consultation in the oncological treatment process. Supervision of the patient after surgery. The role of nutrition in oncological treatment. Minimally invasive surgery in oncology

**LECTURES**

Cancers of the head, neck, thyroid, parathyroid glands, lips, salivary glands. Epidemiology of tumors. Cancer of the esophagus and stomach, GEP / NET. Cancers of the large intestine, liver, pancreas and bile ducts. Onkoplastyka, HIPEC, Breast cancer. Hereditary breast and ovarian cancer (HBC-ss, HOC-ss, HBOC) The role of tissue banking and molecular research in oncology, Standards of nutrition in oncology. Soft tissue sarcoma and melanoma - principles of combination therapy

**EDUCATIONAL OBJECTIVE:**

Presentation of causes, symptoms, principles of diagnosis and therapeutic treatment in relation to cancer diseases in the aspect of their surgical treatment 2. Introduction to epidemiology, etiopathogenesis and cancer prevention and screening 3. Familiarization with the objectives and treatment options of combined solid tumors 4. Familiarizing the student with the course of basic surgical procedures and invasive diagnostic and therapeutic procedures as well as the most common complications of the mentioned procedures and procedures.

**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+++ , M/NMA_P7S_KO+ , M/NMA_P7S_KR+ , M/NMA_P7S_UW+ ,
Codes of learning outcomes in a major area of study:	C.W.40.+ , C.W41.+ , E.U25.+ , E.U30.+ , E.U38.+ , E.W23.+ , E.W24.+ , E.W25.+ , E.W26.+ , E.W28.+ , E.W29.+ , F.U1.+ , F.U12.+ , F.U2.+ , F.U3.+ , F.U6.+ , F.W3.+ , F.W4.+ , F.W5.+ , K.1.+ , K.2.+ , K.3.+ , K.5+ , KA7_KO1+ , KA7_KR1+ , KA7_UW4+ ,

**LEARNING OUTCOMES:****Knowledge**

- W1 - knows post-operative treatment with analgesic therapy and post-operative monitoring
- W10 - knows the rules of palliative treatment with the patient in the terminal state
- W11 - knows the principles of pain treatment, including cancer and chronic pain
- W2 - knows the indications for genetic tests carried out to individualize pharmacotherapy
- W3 - knows the basic directions of therapy development, in particular the possibilities of cell therapy and gene therapy and targeted therapy in specific diseases
- W4 - knows the principles of perioperative safety, patient preparation for surgery, general and local anesthesia and controlled sedation
- W5 - knows the rules of qualifications and performance as well as the most common complications of basic surgical procedures and invasive diagnostic and therapeutic procedures
- W6 - knows the environmental and epidemiological conditions of the most common human cancers
- W7 - knows the basics of early detection of tumors and the principles of screening in oncology
- W8 - knows the possibilities of contemporary cancer therapy (including multimodal therapy), perspectives of cell and gene therapies and their undesirable effects
- W9 - knows the rules of combination therapies in oncology, algorithms of diagnostic and therapeutic procedures in the most common human cancers

**Skills**

- U1 - assists with a typical surgery, prepares an operating field and desensitizes the local surgical area
- U2 - uses basic surgical tools
- U3 - examine nipples, lymph nodes, thyroid gland and abdominal cavity in the aspect of acute abdomen, and performs finger examination through the anus
- U4 - Applies to the principles of asepsis and antisepsis
- U5 - applies nutritional treatment (including enteral and parenteral nutrition)
- U6 - assists in carrying out the following procedures and medical procedures: a) transfusion of blood and blood products, b) drainage of the pleural cavity, c) puncture of the pericardium, d) puncture of the peritoneal cavity, e) lumbar puncture, f) fine needle aspiration, g) epidermal tests, h) intradermal and scarification tests and interpret their results
- U7 - keeps the patient's medical documentation
- U8 - monitors the postoperative period based on basic life parameters

**Social competence**

- K1 - He can establish and maintain a deep, respectful contact with the patient
- K2 - he is guided by the good of the patient, placing them in the first place
- K3 - respects medical confidentiality and patient's rights
- K4 - he is aware of his own limitations and the ability to constantly learn
- K5 - With dignity and respect, he refers to corpses and human remains
- K6 - adheres to and applies the principles of academic and professional ethics as well as professional image, academic, social and vocational professionalism

**Course/module:**

Oncologic Surgery

**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:** 5 / 9**Type of course:**

Classes, Seminar, Lecture

**Number of hours per semester/week:** Classes: 25, Seminar: 5, Lecture: 10

**Teaching forms and methods**

Classes(K1, K2, K3, K4, K5, K6, U1, U2, U3, U4, U5, U6, U7, U8, W1, W10, W11, W2, W3, W4, W5, W6, W7, W8, W9) : work in groups in the Clinic, clinical analysis of cases, observation of surgical procedures, Seminar(K4, K6, W1, W10, W11, W2, W3, W4, W5, W6, W7, W8, W9) : Case presentation, active participation in the discussion, Lecture(K4, K6, W1, W10, W11, W2, W3, W4, W5, W6, W7, W8, W9) : Written exam

**Form and terms of the verification results:**

CLASSES: Evaluation of the work and cooperation in the group - null(K1, K2, K3, K4, K5, K6, U1, U2, U3, U4, U5, U6, U7, U8, W1, W10, W11, W2, W3, W4, W5, W6, W7, W8, W9) ; SEMINAR: Part in the discussion - null(K1, K2, K3, K4, K5, K6, U1, U2, U3, U4, U5, U6, U7, U8, W1, W10, W11, W2, W3, W4, W5, W6, W7, W8, W9) ; LECTURE: Written exam - null(K1, K2, K3, K4, K5, K6, U1, U2, U3, U4, U5, U6, U7, U8, W1, W10, W11, W2, W3, W4, W5, W6, W7, W8, W9)

**Number of ECTS points:** 3

**Language of instruction:** English

**Introductory courses:**

Internal surgery, anatomy, histology, radiology

**Preliminary requirements:**

Knowledge of anatomy and histology, the ability to interpretation radiological images, basic knowledge of cancer

**Name of the organizational unit offering the course:**

Katedra Onkologii,

**Person in charge of the course:**

dr hab. n. med. Dariusz Zadrożny, prof. UWM

**Course coordinators:****Notes:**

**BASIC LITERATURE**

1) Arkadiusz Jeziorski, Piotr Rutkowski , Kompendium chirurgii onkologicznej, wyd. Via Medica, 2014 ; 2) Jacek Szmidt, Jarosław Kuźdżał, Zbigniew Gruca, Paweł Lampe, Medycyna Praktyczna, wyd. Kraków., 2010 ; 3) M. W. Mulholland, K. D. Lillemo, G. M. Doherty, Greenfield's SurgeryScientific: Principles and Practice, wyd. 5th, 2011

**SUPPLEMENTARY LITERATURE**

## Detailed description of the awarded ECTS points - part B

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### **ONCOLOGIC SURGERY** **ONCOLOGIC SURGERY**

The awarded number of ECTS points is composed of:

1. Contact hours with the academic teacher:

- participation in: classes	25 h.
- participation in: seminar	5 h.
- participation in: lecture	10 h.
- consultation	5 h.
	45 h.

2. Student's independent work:

- preparation for classes	5 h.
	5 h.

1 ECTS point = 25-30 h of the average student's work, number of ECTS points = 50 h : 25 h/ECTS = 2,00 ECTS  
on average: **3 ECTS**

- including the number of ECTS points for contact hours with direct participation of the academic teacher:	1,80 ECTS points,
- including the number of ECTS points for hours completed in the form of the student's independent work:	1,20 ECTS points,