

Course title: ONCOLOGIC SURGERY

ECTS credit allocation (and other scores): 2

Semester: autumn

Level of study: ISCED-7- long-cycle programmes (EQF-7)

Branch of science: Medical and health sciences

Language: English

Number of hours per semester: 35 h

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Type of classes: classes and lectures

Substantive 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. Onkoplasyka, 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

Learning purpose: 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.

On completion of the study programme the graduate will gain:

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 Competencies: -

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

Basic literature: ; 2) M. W. Mulholland, K. D. Lillemoe, G. M. Doherty, Greenfield's Surgery: Scientific Principles and Practice, wyd. 5th edition, 2011 ;

Supplementary literature:

The allocated number of ECTS points consists of: 1 ECTS point = 25-30 h of the average student's work, number of ECTS points = 50 h : 25 h/ECTS = 2,00 ECTS

Contact hours with an academic teacher: 40h

Student's independent work: 10h