



Elements of Oncology

1. IMPRINT	
Academic Year	2022/2023
Department	Faculty of Dental Medicine
Field of study	Englisch Dentistry Divison
Main scientific discipline <i>(in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Medical science
Study Profile <i>(general academic / practical)</i>	General academic
Level of studies <i>(1st level / 2nd level / uniform MSc)</i>	Uniform MSc
Form of studies	Full-time
Type of module / course <i>(obligatory / non-compulsory)</i>	Obligatory
Form of verification of learning outcomes <i>(exam / completion)</i>	Completion
Educational Unit / Educational Units <i>(and address / addresses of unit / units)</i>	Katedra i Klinika Chirurgii Ogólnej, Gastroenterologicznej i Onkologicznej UCK WUM ul. Banacha 1A 02-097 Warszawa tel. 22 5992252, email: gastrochirurgia@wum.edu.pl

Head of Educational Unit / Heads of Educational Units	Prof. dr hab. n. med. Maciej Słodkowski
Course coordinator (title, First Name, Last Name, contact)	Prof. dr hab. n. med. Maciej Słodkowski tel: 22 599 2257; maciej.slodkowski@wum.edu.pl
Person responsible for syllabus (First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)	Lek. Monika Wojtasik tel. 225992252; monika.wojtasik@wum.edu.pl
Teachers	Lek. Monika Wojtasik; monika.wojtasik@wum.edu.pl Mgr Aneta Jachnis; aneta.jachnis@wum.edu.pl

2. BASIC INFORMATION			
Year and semester of studies	Year 3 winter semester	Number of ECTS credits	1
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)		5	0,2
Seminar (S)		5	0,2
Discussions (D)			
e-learning (e-L)			
Practical classes (PC)		5	0,2
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions		10	0,4

3. COURSE OBJECTIVES	
O1	To acquaint the students with the importance of oncological diseases, epidemiology of neoplasms in Poland and worldwide, information about how oncological treatment is organized in Poland. Explanation of meaning of multidisciplinary treatment of neoplasms.
O2	To acquaint the students with indications and methods of treatment of the most common neoplasms.
O3	To acquaint the students with types of oncological treatment such as chemotherapy, radiotherapy, biological treatment, surgery. Importance of nutritional treatment in oncology.

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING (concerns fields of study regulated by the Regulation of Minister of Science and Higher Education from 26 of July 2019; does not apply to other fields of study)

<p>Code and number of effect of learning in accordance with standards of learning (in accordance with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</p>	<p>Effects in time</p>
<p>Knowledge – Graduate* knows and understands:</p>	
B.W9.	knows and understands the methods of imaging tissues and organs and the principles of operation of diagnostic devices used for this purpose
C.W7.	knows and understands the structure of the immune system and its role
C.W10.	knows and understands the basics of immunodiagnostics and immunomodulation
C.W13	the concept of health and disease, mechanisms of the formation and development of the disease process at the molecular, cellular, tissue and systemic levels, clinical symptoms of the disease, prognosis and complications of the disease
C.W16.	knows and understands the diagnostic methods used in pathomorphology and the role of laboratory tests in the prevention and diagnosis of organ and systemic disorders
C.W.18	mechanisms of drug action as well as pharmacokinetics and biotransformation of individual drug groups
C.W.19	knows and understands the indications and contraindications to the use of drugs, their dosage, side effects and toxic effects as well as drug interactions
D.W11	knows and understands the principles of motivating the patient to pro-health behavior and informing about unfavorable prognosis
E.W.1	the relationship between morphological abnormalities and the function of altered organs and systems as well as clinical symptoms and diagnostic and treatment options
E.W2	knows and understands the basic methods of medical examination and the role of additional tests in the diagnosis, monitoring, prognosis and prevention of organ and systemic disorders, with particular emphasis on their impact on the tissues of the oral cavity
E.W3.	knows and understands the etiopathogenesis and symptomatology of diseases of the respiratory system, circulation, hematopoietic, genitourinary, immune, digestive, movement
E.W15.	knows and understands the methods of cytological diagnostics and cytodagnostic criteria for the diagnosis and differentiation of neoplastic and non-neoplastic diseases
E.W16.	knows and understands the immunological aspects of transplantation and haemotherapy
E.W20.	knows and understands the cases in which the patient should be referred to the hospital
F.W3.	knows and understands the viral, bacterial and fungal flora of the oral cavity and its importance
G.W4.	knows and understands the basic concepts related to health, lifestyle and health of the population

Skills– Graduate* is able to:	
E.U.1	perform differential diagnosis of the most common diseases
E.U5.	is able to identify normal and pathological structures and organs in additional imaging tests (X-ray, ultrasound, computed tomography - CT)
E.U8.	is able to recognize the risk of life threatening
E.U13.	is able to pre-diagnose neoplastic changes in the nose, throat and larynx
E.U16.	can recognize dermatoses and collagenoses with symptoms in the oral mucosa
E.U.17	can recognize diseases related to smoking, alcoholism and other addictions
E.U18.	can diagnose diseases with enlargement of the lymph nodes in the neck and submandibular area as well as infectious diseases, with particular emphasis on changes in the oral cavity
F.U1.	is able to conduct a medical interview with the patient or his family
F.U2.	is able to perform a dental physical examination of the patient
F.U6.	is able to interpret the results of additional tests and consultations

* In appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019 „graduate”, not student is mentioned.

5. ADDITIONAL EFFECTS OF LEARNING (non-compulsory)

Number of effect of learning	Effects of learning i time
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Knowledge – Graduate knows and understands:

K1	-
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Skills– Graduate is able to:

S1	-
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Social Competencies – Graduate is ready for:

SC1	-
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6. CLASSES

Form of class	Class contents	Effects of Learning
Lecture	L1 – Lecture 1: Cancer definition. Its biology, the way it spreads and its influence on the human body. Histological types of neoplasms. Cancer epidemiology in Poland and worldwide.	C.W7. C.W10. E.W1. E.W15.

		G.W4
	L2 – Lecture 2: Multidisciplinary model of cancer treatment, oncological consultation, conducting diagnostics, treatment planning, multidisciplinary treatment - discussion on the example of breast cancer.	B.W9. C.W13. C.W16. E.W2. E.W16. E.W20.
Seminar	S1 – Seminar 1: Basics of chemotherapy and radiotherapy - learning about the mechanisms of action of cytostatic drugs and ionizing radiation on cells, side effects.	C.W18. C.W19.
	S2 – Seminar 2: Surgical treatment of gastrointestinal neoplasms - basic information on determining the scope of resection, the importance of resection of individual groups of lymph nodes, classical and modern surgical techniques.	E.W1. E.W20.
	S3 - Seminar 3: Nutrition in neoplastic diseases - diet to prevent neoplasms and support treatment	E.W11.
	S4 - Seminar 4: Primary and secondary neoplasms of the oral cavity – prevalence, risk factors, clinical pattern.	E.W3. E.U13.
Practical Classes	PC1 -Pancreatic cancer, liver cancer – history taking, clinical course, treatment planning, identification of problems relevant to the dentist's work	E.U1. E.U5. F.U1. F.U2. F.U6.
	PC2 - Gastric cancer, colon cancer – history taking, clinical course, treatment planning, identification of problems relevant to the dentist's work	E.U1. E.U5. F.U1. F.U2. F.U6.
	PC3 - The importance of nutritional treatment in the pre- and postoperative period	D.W11.
	PC4 - Consequences and complications of treatment of neoplastic diseases, changes in the oral cavity and gastrointestinal tract, their influence on the patient's nutrition.	E.U8. E.U16. E.U18. F.W3.

7. LITERATURE

Obligatory: Materials from classes

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Supplementary:

Any Clinical oncology manual

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
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B.W9., C.W7., C.W10. C.W13., C.W16., C.W18., C.W.19 D.W11., E.W1. E.W2., E.W3., E.W15., E.W16., E.W20., F.W3., G.W4., E.U1. E.U5., E.U8., E.U13. E.U16., E.U17., E.U18., F.U1., F.U2. F.U6.	Class attendance, passing a test - (10 questions, 4 answers, only one correct, 1 point per question)	threshold to pass – 6 points
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9. ADDITIONAL INFORMATION (information essential for the course instructor that are not included in the other part of the course syllabus
e.g. if the course is related to scientific research, detailed description of, information about the Science Club)

To pass the classes, you must be present at all classes. Absence from one class may be excused with sick leave, a greater number of absences is associated with the need to make up for classes with another group. We kindly ask you to leave the outerwear in the cloakroom - it is forbidden to bring the outerwear to the Department. Medical gowns may be useful during classes at the Clinic - please bring them to the exercises. Due to the SARS-COV-2 pandemic, lectures, seminars and exercises can be conducted remotely using Microsoft Teams.

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