



Internal medicine

1. IMPRINT	
Academic Year	2022/2023
Department	Faculty of Dental Medicine
Field of study	English Dentistry Division
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 sciences
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 studies
Type of module / course <i>(obligatory / non-compulsory)</i>	Obligatory
Form of verification of learning outcomes <i>(exam / completion)</i>	Exam
Educational Unit / Educational Units <i>(and address / addresses of unit / units)</i>	Department of Internal Medicine and Cardiology Lindleya 4, 02-005 Warsaw Tel: 22 502 11 44, e-mail: kchwk@wum.edu.pl

Head of Educational Unit / Heads of Educational Units	Prof. dr hab. n. med. Piotr Pruszczyk
Course coordinator (title, First Name, Last Name, contact)	Prof. dr hab. n. med. Piotr Pruszczyk; piotr.pruszczyk@wum.edu.pl, tel 22 502 11 44
Person responsible for syllabus (First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)	Prof dr hab. n med. Michał Ciurzyński; michal.ciurzynski@wum.edu.pl, tel 22 502 11 44
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2. BASIC INFORMATION			
Year and semester of studies	III year; V, VI semester	Number of ECTS credits	4
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)		8	0,3
Seminar (S)		17	0,5
Discussions (D)			
e-learning (e-L)			
Practical classes (PC)		35	1,2
Work placement (WP)			
Unassisted student's work			

Preparation for classes and completions	70	2,0
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3. COURSE OBJECTIVES

O1	Skills of taking history and physical examination of patients with the most common internal diseases.
O1	Students will achieve basic knowledge about symptomatology of diseases most relevant to a dentist.
O1	Students will achieve basic knowledge about diagnostic methods and treatment carried out in patients with internal disorders.

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)*

Code and number of effect of learning in accordance with standards of learning <i>(in accordance with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Effects in time
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Knowledge – Graduate* knows and understands:

E.W2.	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.	etiopathogenesis and symptomatology of respiratory, circulatory, hematopoietic, urogenital, immune, digestive, locomotor and endocrine diseases, with particular emphasis on diseases manifesting in the oral cavity;
E.W7.	symptoms of acute abdominal diseases, poisoning, infection and sepsis;
E.W18	life-threatening conditions;
E.W20	conditions where the patient should be referred to hospital;

Skills– Graduate* is able to:

E.U1.	carry out differential diagnosis of the most common diseases;
E.U2.	assess and describe the somatic and mental state of the patient;
E.U3.	plan diagnostic and therapeutic procedures in the most common diseases;
E.U4.	interpret the results of laboratory tests;
E.U8.	recognize the risk of life-threatening;
E.U9.	describe and recognize the symptoms of shock and acute heart failure;

E.U17.	recognize pathologies related to smoking, alcoholism and other addictions;
E.U20.	perform basic medical procedures and treatments: temperature measurement, pulse measurement, non-invasive blood pressure measurement, oxygen treatment, assisted and alternative ventilation, insertion of an oropharyngeal tube, preparation of the operating field, hygienic and surgical disinfection of hands, intravenous;

* 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
Knowledge – Graduate knows and understands:	
K1	-
Skills– Graduate is able to:	
S1	-
Social Competencies – Graduate is ready for:	
SC1	-

6. CLASSES		
Form of class	Class contents	Effects of Learning
Lecture 1	Pathogenesis of arteriosclerosis. Primary and secondary prophylaxis. Part 1	E.W3., E.U3., E.U4.
Lecture 2	Pathogenesis of arteriosclerosis. Primary and secondary prophylaxis. Part 2	E.W3., E.U3., E.U4.
Lecture 3	Coronary artery disease. Acute coronary syndrome. Part 1	E.W.2., E.W3., E.U1., E.U3., E.U4 , E.U17, E.W18.
Lecture 4	Coronary artery disease. Acute coronary syndrome. Part 2.	E.W.2., E.W3., E.U1., E.U3., E.U4 , E.U17., E.W18.
Lecture 5	Acute and chronic heart failure. Myocarditis. Cardiomyopathy.	E.W.2., E.W3., E.U1., E.U4.,E.U3.
Lecture 6	Arrhythmias	E.W.2., E.W3., E.U1., E.U3., E.U4, E.W18
Lecture 7	Infective endocarditis. Dental prophylaxis.	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4, E.W18.
Lecture 8	Diabetes. The role of dentists in treatment and prophylaxis of circulatory system diseases.	E.W2., E.W3., E.U1., E.U3., E.U4.
Seminar 1	Introduction. Organization of seminar. Basic rules of physical examination	E.W2., E.W3., E.U2.

Seminar 2	General status. Examination of head and neck. Basic neurological examination.	E.W2., E.W3., E.U2.
Seminar 3	Respiratory system – anamnesis	E.W2., E.W3., E.U1., E.U3., E.U4.
Seminar 4	Respiratory system – physical examination	E. W2., E.W3., E.U1., E.U2.
Seminar 5	Circulatory system – anamnesis.	E.W2., E.W3., E.U1., E.U3., E.U4.
Seminar 6	Heart – physical examination .	E. W2., E.W3., E.U1., E.U2.
Seminar 7	Circulatory system – physical examination.	E. W2., E.W3., E.U1., E.U2.
Seminar 8	Digestive system – anamnesis	E.W2., E.W3., E.U1., E.U3., E.U4., E.W7.
Seminar 9	Digestive system – physical examination Urinary system – anamnesis and physical examination. Examination of musculoskeletal system	E. W2., E.W3., E.U1., E.U2.
Seminar 10	Urinary system – anamnesis and physical examination. Examination of musculoskeletal system	E E.W2., E.W3., E.U1., E.U3., E.U4., E.U2.
Seminar 11	A Common cardiological problems in dentist practice.	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4.
Seminar 12	Coronary artery disease. Acute coronary syndromes.	E.W2., E.W3., E.U1., E.U3., E.U4., E.U17.
Seminar 13	Primary and secondary arterial hypertension. Hypertensive crisis	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4., E.W18.
Seminar 14	Additional examinations in the diagnosis of cardiovascular diseases and their interpretation.	E.U4., E.W18.
Seminar 15	ECG: normal record, ischemia, arrhythmias and conduction disturbances.	E.U4., E.W18.
Seminar 16	The most common acquired and congenital heart defects.	E.W2., E.W3., E.U1., E.U3., E.U4.,
Seminar 17	Chronic and acute heart failure. Cardiogenic shock.	E.W2., E.W3., E.U1., E.U3., E.U4., E.U9, E.W18.
Seminar 18	Venous thromboembolism	E.W2., E.W3., E.U1., E.U3., E.U4., E.U9.
Seminar 19	Diabetes and prediabetes. The role of the dentist in combating acute and chronic complications of diabetes.	E.W2., E.W3., E.U1., E.U3., E.U4.
C1-C9 Practical training	Practical exercise of taking history and physical examination. Circulatory system	E.U1., E.U2., E.U3., E.U4., E.U9., E.U20, E.W.20.
C10-C19 Practical training	Practical exercise of taking history and physical examination. Respiratory system	E.U1., E.U2., E.U3., E.U4., E.U9., E.U20, E.W.20.
C20-C29. Practical training	Practical exercise of taking history and physical examination. Digestive system	E.U1., E.U2., E.U3., E.U4., E.U9., E.U20, E.W.20.
C30-C35 Practical training	Practical exercise of taking history and physical examination. Genitourinary system	E.U1., E.U2., E.U3., E.U4., E.U9., E.U20, E.W.20.

7. LITERATURE
Obligatory
<ol style="list-style-type: none"> 1. Macleod's Clinical Examination 14th Edition, J. Alastair Innes Anna Dover Karen Fairhurst 2. Interna Szczeklika - mały podręcznik 2022/2023, Medycyna Praktyczna, Kraków 2022, wyd.14 (lub starsze wydania)
Supplementary
<ol style="list-style-type: none"> 1. Evidence-Based Medicine 5th Edition, Sharon Straus Paul Glasziou W. Scott Richardson R. Brian Haynes 2. Kumar and Clark's Clinical Medicine, 9th Edition, Parveen Kumar, Michael L Clark 3. Davidson's Principles and Practice of Medicine, 23rd Edition, Stuart H. Ralston, Ian Penman, Mark Strachan, Richard Hobson

8. VERIFYING THE EFFECT OF LEARNING		
Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
<i>e.g. G.K1, G.S1, K1</i>	<i>This field defines the methods used for grading students e.g. pop quiz, test, written report etc.</i>	<i>e.g. threshold number of points</i>
E.W2., E.W3., E.W7., E.W18, E.W20, E.U1., E.U2., E.U3., E.U4., E.U9., E.U17, E.U20.	<p>During the classes, assistants check the knowledge of the applicable material from the indicated sources of knowledge and textbooks and assess practical skills from the clinical trial on an ongoing basis.</p> <p>On the last day of classes, a final test - a test test with grades is held after the end of each block of classes in semester 5 and semester 6 (the grade for the credit report after the third year is the grade from the test test after semester 6).</p> <p>The final exam in the subject takes place in the summer exam session after the end of classes in the fourth year of studies.</p>	<p>Attendance at all classes.</p> <p>At least 60% correct answers on the summary test.</p>

9. ADDITIONAL INFORMATION <i>(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)</i>
<p>Classes are held according to the schedule from the Dean's Office. Lectures in the place indicated in the schedule in the autumn and winter semester or using distance learning techniques. Seminars in the clinic's seminar room (ul. Lindleya 4, pavilion 3, second floor). Exercises in the Departments of the Clinic, in Laboratories or Clinical Ambulatories. Before starting classes, students leave their outer clothing in the cloakroom for students of the Clinic. Students are required to change shoes, have medical gowns and stethoscopes.</p> <p>Attendance at all exercises is mandatory. One excused absence is allowed, subsequent absences must be credited by preparing a presentation and/or participating in clinical shifts or making up classes with another group. The course is passed on the basis of attendance and a colloquium test, which takes place on the last day of the class. At the clinic, there is a student scientific club with a cardiological profile - tutor dr hab. Piotr Bienias, MD</p>

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