



Direct (contact) education ¹		5			20								
Distance learning ²	10												
Summer semester:													
Department of Nephrology and Transplantation Medicine, Department of Gastroenterology and Hepatology, Department of Heart Diseases, Department of Internal, Occupational Diseases, Hypertension and Clinical Oncology													
Direct (contact) education													
Distance learning													
TOTAL per year:													
Department of Nephrology and Transplantation Medicine, Department of Gastroenterology and Hepatology, Department of Heart Diseases, Department of Internal, Occupational Diseases, Hypertension and Clinical Oncology													
Direct (contact) education		5			20								
Distance learning	10												
Educational objectives (max. 6 items)													
<p>C1. The purpose of education is to familiarize students with the pathogenesis, symptomatology, and treatment of internal diseases.</p> <p>C2. Knowing preventive activities against formation of internal medicine.</p> <p>C3. Keeping medical records.</p> <p>C4. Students should possess the ability to efficiently collect medical history, physical examination, proper technique with the correct interpretation of the clinical examination ascertained deviations from the norm.</p> <p>C5. Students also owe to possess knowledge of basic laboratory tests and diagnostic procedures, including internal medicine with knowledge of the results of variations in the underlying disease entities.</p> <p>C6. Students should possess the ability to carry out differential diagnosis, perform simple diagnostic tests with the diagnosis, therapy planning of the basic units of internal diseases.</p>													
Education result for course in relation to verification methods of the intended education result and the type of class:													

¹ Education conducted with direct participation of university teachers or other academics

² Education with applied methods and techniques for distance learning



Number of detailed education result	Student who completes the course knows/is able to	Methods of verification of intended education results	Form of didactic class <i>*enter the abbreviation</i>
E. W1.	In terms of knowledge the graduate knows and understands: the relationship between morphological abnormalities and the function of changed organs and systems and between clinical symptoms and diagnostic and treatment options;	MCQ test	L/SE
E.W2.	the basic methods for conducting a medical examination and the role of additional tests in diagnosis, monitoring, prognosis and prevention of organ and systemic disorders, with a particular emphasis on their effects on oral tissues;	MCQ test	L/SE
E. W3.	the aetiopathogenesis and symptomatology of diseases of the respiratory, circulatory, haematopoietic, genitourinary, immune, gastrointestinal, musculoskeletal and endocrine systems, with a particular emphasis on diseases manifesting in the oral cavity;	MCQ test	L/SE
E. W16.	immunological aspects of transplantation and haemotherapy;	MCQ test	L/SE
E. W18.	life-threatening situations;	MCQ test	L/SE
E. W20.	the cases where the patient should be referred to a hospital;	MCQ test	L/SE
E. U1.	In terms of skills the graduate is able to: perform differential diagnosis of the most common diseases;	Oral or written answer / assessment of practical skills	CC
E. U2.	assess and describe the somatic and psychological state of the patient;	Oral or written answer / assessment of practical skills	CC
E. U3.	plan diagnosis and therapy for the most common diseases;	Oral or written answer / assessment of practical skills	CC
E. U4.	interpret laboratory test results;	Oral or written answer / assessment of practical skills	CC
E. U5.	identify correct and pathological structures and organs in additional imaging examinations (X-ray, ultrasound, computed tomography [CT]);	Oral or written answer / assessment of practical skills	CC



E. U17	recognise diseases related to nicotine dependence, alcoholism and other addictions;	Oral or written answer / assessment of practical skills	CC
E. U18	diagnose diseases which involve enlargement of the lymph nodes in the neck and the submandibular region and infectious diseases, with a particular emphasis on lesions within the oral cavity;	Oral or written answer / test / analysis of clinical cases	CC

* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning

Student's amount of work (balance of ECTS points):

Student's workload (class participation, activity, preparation, etc.)	Student Workload
1. Number of hours of direct contact:	25
2. Number of hours of distance learning:	10
3. Number of hours of student's own work:	45
4. Number of hours of directed self-study	n/a
Total student's workload	80
ECTS points for course	3

Content of classes: (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)

Lectures

WINTER SEMESTER (10 hours)

1. Patient with hematological disorders at the dentist's
 2. Patient with infectious disorders at the dentist's
 3. Patient with diabetes at the dentist's
 4. Patient with chronic kidney disease at the dentist's
- Patient with collagenous disease at the dentist's

Seminars

WINTER SEMESTER (5 hours)

1. Hematological disorders - case presentation
2. Infectious disorders - case presentation
3. Diseases of the endocrine origin with diabetes - case presentation
4. Kidney diseases - case presentation
5. Rheumatological diseases - case presentation

Classes

WINTER SEMESTER (20 hours)

1. Cardiology for dentistry: coronary artery disease, heart failure, valvular heart disease – preparation of the patient with chronic circulatory disorders for dental procedures.
2. Respiratory tract disorders – asthma, COPD, respiratory insufficiency– preparation of the patient with chronic respiratory disorders for dental procedures.
3. Endocrine disorders – diabetes mellitus, disorders of pituitary, thyroid, parathyroid and suprarenal glands - preparation of the patient with endocrine disorders for dental procedures.
4. Hematological disorders - anemia, bleeding diathesis, leukemias - preparation of the patient with hematological disorders for dental procedures. Transfusion of blood products.



<ol style="list-style-type: none"> 5. Gastrointestinal tract disorders – GERD, gastritis, stomach ulcers, viral hepatitis, liver cirrhosis, cholecystolithiasis (gallbladder stones), inflammatory bowel diseases – preparation of the patient with chronic gastrointestinal tract disorders for dental procedures. 6. Urinary tract disorders - chronic kidney disease - preparation of the patient with chronic kidney disease and renal replacement therapy for dental procedures. 7. Neurologic disorders – Parkinson’s disease, epilepsy - preparation of the patient with chronic neurologic disorders for dental procedures. 8. Disorders of oral cavity in internal diseases. 9. Infectious diseases. Fever of unknown origin. Antimicrobial prophylaxis and treatment in dental procedures. 10. Acute cardiac care in the dental office – principles of cardiopulmonary resuscitation. 11. Acute respiratory failure. Clinical signs, diagnosis and treatment, principles of cardiopulmonary resuscitation. 12. Principles of immunosuppressive treatment. Oral cavity sanitation before introduction of IS therapy. Antimicrobial prophylaxis. 13. Infected focus derived diseases diagnostic tests, symptoms and treatment. 14. Summary and repetition.
<p>Other</p> <ol style="list-style-type: none"> 1. 2. 3. <p>ect.</p>
<p>Basic literature (list according to importance, no more than 3 items)</p> <ol style="list-style-type: none"> 1. G. Herold „Internal medicine”, 2. „Harrison’s Principles of Internal Medicine” 3. Macleod's Clinical Examination G. Douglas, C. Robertson. <p>Additional literature and other materials (no more than 3 items)</p> <ol style="list-style-type: none"> 1. 2. 3.
<p>Preliminary conditions: (minimum requirements to be met by the student before starting the course) Completing subjects from previous years of study (Anatomy I year, Human Physiology II year, Microbiology II year, Pathophysiology III year, Pharmacology III year, Internal diseases III year).</p>

Rules for granting partial grades in the subject during the semester:	
Conditions to receive credit for the course: ⁴	
Grade:	Criteria for exam
Very Good (5.0)	Knowledge of issues related to pathogenesis, symptomatology, treatment and prevention of internal diseases. The student interprets medical research, makes a diagnosis, performs differential diagnosis, and proposes treatment. Answers correctly to 95 % of asked questions.
Good Above (4.5)	Knowledge of issues related to pathogenesis, symptomatology, treatment and prevention of internal diseases. The student interprets medical research, makes a diagnosis, performs differential diagnosis, and proposes treatment. Answers correctly to 90 % of asked questions.
Good (4.0)	Knowledge of issues related to pathogenesis, symptomatology, treatment and prevention of internal diseases. The student interprets



	medical research, makes a diagnosis, performs differential diagnosis, and proposes treatment. Answers correctly to 80 % of asked questions.
Satisfactory Plus (3.5)	Knowledge of issues related to pathogenesis, symptomatology, treatment and prevention of internal diseases. The student interprets medical research, makes a diagnosis, performs differential diagnosis, and proposes treatment. Answers correctly to 70 % of asked questions.
Satisfactory (3.0)	Knowledge of issues related to pathogenesis, symptomatology, treatment and prevention of internal diseases. The student interprets medical research, makes a diagnosis, performs differential diagnosis, and proposes treatment. Answers correctly to 60 % of asked questions.

⁴ Please only fill out the conditions to receive credit specific to the given course and delete the remainder. Conditions to receive credit for the course (ie. with a grade or without), and the conditions for obtaining a grade from the exam, must include verification of the result of the given education carried out during all forms of teaching within the given subject (the following must be specified: form, criteria, and conditions to receive credit for classes included in the course, the admission terms to the final theoretical or practical examination, the form and requirements that must be met by the student to pass, as well as the criteria for specific grades). ATTENTION! Attendance can not be a condition for passing the course

Department in charge of the course:⁵	Department of Nephrology and Transplantation Medicine,
Head of Department in charge of the course:	Prof. dr hab. Magdalena Krajewska
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Department in charge of the course:⁵	Department of Gastroenterology and Hepatology,
Head of Department in charge of the course:	Prof. dr hab. Elżbieta Poniewierka
Telephone:	71 733 21 20
E-Mail:	gastro@umw.edu.pl
Department in charge of the course:⁵	Department of Heart Diseases,
Head of Department in charge of the course:	Prof. dr hab. Krzysztof Reczuch
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Department in charge of the course:⁵	Department of Internal, Occupational Diseases, Hypertension and Clinical Oncology



Head of Department in charge of the course:	Prof. dr hab. Grzegorz Mazur
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Person in charge for the course:	Dr hab. n.med. Oktawia Mazanowska, prof. UMW
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Coordinator of the course:	Dr hab. n.med. Oktawia Mazanowska, prof. UMW
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CONSULTATION: Detailed information pertaining to the dates and places for consultation of academic staff are provided on the university websites of the departments in which the given subjects are being conducted. Additionally the information is posted next to the department secretary.

Date of Syllabus development
30.06.2022

⁵ For coordinated subjects, subjects which are coordinated by more than one department, this part should be duplicated and completed separately for each of the departments which will be conducting didactic classes.