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Syllabus for academic year: 2021/2022													
Description of the course: 2017/2018-2021/2022													
Course	Farmakologia kliniczna, Clinical pharmacology										Group of detailed education results		
											Group code	Group name	
											F	Non-surgical clinical sciences	
Faculty	Dentistry												
Major	dentistry												
Level of studies	X uniform magister studies												
Form of studies	X full-time												
Year of studies	V										Semester:	X summer	
Type of course	X obligatory												
Language of study	X English												
Number of hours													
Form of education													
	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
Summer semester:													
Oral Pathology Department													
Direct (contact) education		30											
Distance learning													
TOTAL per year: 30													
Educational objectives (max. 6 items)													
C1. Acquisition of knowledge on practical application of the knowledge acquired during pharmacology classes, learning the dentist's basic skills in the field of clinical pharmacology.													
C2. Developing the ability to analyze information about the drug used in dental practice contained in the Polish Pharmacopoeia (Farmakopea Polska IX [Volume I-II, 2011], on the basis of Ph. Eur. 7 and its supplements or an older edition) as well as the leaflet attached to the drug. Developing the ability to plan pharmacological treatment or supportive treatment in the dentist's practice using the resources of knowledge in the field of clinical pharmacology.													
C3. Awareness of the role of knowledge of clinical pharmacology in dentist's practice. Education of awareness regarding the correct reporting of adverse drug reactions to the Office for Registration of Medicinal Products, Medical Devices and Biocidal Products													
Education result for course in relation to verification methods of the intended education result and the type of class:													
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>				



F.W13	fundamentals of antibiotic therapy and antimicrobial resistance	1./2. Preparation of a multimedia presentation by students with a description of the drug and LADME of each of them. 4. Discussion with students during the online seminar 5. Assessment of students' statements on medicines used to treat pain.	1./2. SE nr 1,2,3. 3. SE11 i SE12. 4. SE4 5. SE13.
F.W15	graduate knows and understands: therapeutic methods of reducing and relieving pain and reducing anxiety and stress;		
F.W16	graduate knows and understands: the principles of anesthesia in dental procedures and basic measures pharmacological;		
F.U10	In terms of skills, the graduate is able to: prescribe drugs taking into account their interactions and side effects;		2. SE4. 3. SE2.
F.U16	In terms of skills, the graduate is able to: use appropriate drugs during and after a dental procedure in order to pain and anxiety management;		

* 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:	30
2. Number of hours of distance learning:	
3. Number of hours of student's own work:	10
4. Number of hours of directed self-study	
Total student's workload	
ECTS points for course	1

Seminars

- "Concepts and methods used in clinical pharmacology together with the description of the drug fate in the body - LADME."
- "Drug interactions, consequences of drug interactions."
- "Factors determining adverse drug effects, damage to organs and organs as well as organism disorders. Methods of preventing and monitoring adverse drug effects." Practical classes: "Working with the yellow card for reporting adverse reactions, summarizing the activities and discussing the correctness of filling in the yellow card."
- "Determining the influence of drugs on the patient's laboratory results." Discussion with students. "Changes in drug action in relation to patient pathological conditions." Interactive lecture: Evidence Based Medicine (EBM), Good Clinical Practice (GCP).
- "Age diversity and physiological condition of the patient and the use of pharmacotherapy. Reference to pharmacotherapy of newborns, pregnant and breastfeeding women, and the elderly." Interactive lecture: "Pharmacogenetics and famacogenomics - what and for whom. Introduction to the description of the course of clinical trials."

Basic literature

- Basic & Clinical Pharmacology, Katzung BG, Mc Graw Hill, 10th Ed, 2007
- Goodman & Gilman's, The Pharmacological Basis of Therapeutics. L Brunton, J Lazo, IBuxton, D Blumenthal, McGraw-Hill, 11th Ed, 2006

Preliminary conditions:

- Passing the exam for the subject of Pharmacology on the 3rd year.

Conditions to receive credit for the course: The student has passed the partial test and the final test with a minimum number of points. During the course, the student made one multimedia presentation on drug effects, and this presentation was positively assessed by the teacher. Presentation length: maximum 15 minutes, with a maximum of 10 multimedia



slides. In order to pass the subject, the student actively participates in seminars, which is confirmed by the evaluation of student activity in the journal of grades from the subject.

Criteria for courses ending with a credit ³	
Credit	The student has passed the partial test and the final test with a minimum number of points. During the course, the student made one multimedia presentation on drug effects, and this presentation was positively assessed by the teacher.
Unit realizing the course:	Oral Pathology Department
Unit address:	Krakowska 26, II floor, Wrocław
Telephone:	Tel. :71 784 03 81,
E-Mail:	agnieszka.fiskiewicz@umed.wroc.pl

Person responsible for the course:	Prof. Małgorzata Radwan-Oczko			
Telephone:	Tel. :71 784 03 81			
E-Mail:	irena.dus-ilnicka@umed.wroc.pl			
List of persons conducting specific classes:				
Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Irena Duś-Ilnicka	Dr n. med.	Medical Sciences	Laboratory medicine	Seminars

Date of Syllabus development

05.08.2021

Syllabus developed by

dr n. med. Irena Duś-Ilnicka.

Uniwersytet Medyczny we Wrocławiu
WYDZIAŁ
LEKARSKO-STOMATOLOGICZNY
DZIEKAN
Dean's signature
prof. dr hab. Marcin Mikulewicz.....

Signature of Head(s) of teaching unit(s)

Uniwersytet Medyczny we Wrocławiu
KATEDRA / ZAKŁAD
PATOLOGII JAMY USTNEJ
kierownik
prof. dr hab. Małgorzata Radwan-Oczko
Prof. dr hab. Małgorzata Radwan-Oczko