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Syllabus for academic year: 2021/2022													
Training cycle: 2017/2022													
Description of the course													
Course	Periodontology								Group of detailed education results				
									Group code: F	Group name: Specialized clinical sciences (interventional)			
Faculty	Faculty of Dentistry												
Major	Dentistry												
Level of studies	uniform magister studies												
Form of studies	full-time												
Year of studies	V				Semester:		winter						
Type of course	obligatory												
Language of study	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)
<b>Winter semester:</b>													
Department of Periodontology													
Direct (contact) education		10			60								
Distance learning													
<b>Educational objectives:</b>													
C1. Ability to diagnose and non-surgical treat of periodontal diseases (continuation)													
C2. Knowledge of contemporary concepts in resective and regenerative periodontal surgery as well as periodontal plastic surgery													
C3. Knowledge of specifics of orthodontic and prosthetic treatment in patients with periodontitis													
C4. Knowledge of surgical concept in periimplantitis treatment and specific of implant installation in patients with periodontitis													
C5. Ability to plan interdisciplinary treatment of stage IV periodontitis													
C6. Ability to critically analyze the effectiveness of new methods of periodontal treatment in accordance with evidence based periodontology													
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.W4	Knows symptoms, course and management of periodonal diseases, taking into account patient age groups	Obtaining formation marks at every classes and passing test as well as oral exam	SE	
F.W9	Knows periodontal diagnosis and treatment methods		SE	
F.W11	Knows indications and contraindications for cosmetic dentistry procedures		SE	
F.W12	Knows causes of complications of stomatognathic system diseases and the principles of handling such complications		SE	
F.U1	Takes medical history from the patient or his/her family	Passing the required number of clinical procedures and passing practical objective structured clinical examination (OSCE)	PCP	
F.U2	Performs clinical periodontal examination		PCP	
F.U3	Explains to the patient the nature of their periodontal disease, determine a method of treatment that is confirmed by the patient's informed consent and make a prognosis		PCP	
F.U6	Interprets the results of additional examinations and consultations		PCP	
F.U7	Applies indications and contraindications for performing specific periodontal procedures		PCP	
F.U8	Provides periodontal treatment for acute inflammatory processes		PCP	
F.U11	Handles the patient's current medical record, write referrals for tests or specialist dental or general medical treatment		PCP	
F.U12	Formulate research problems related to contemporary periodontology		PCP	
F.U17	Leads periodontal diagnostic and treats periodontal diseases to a basic extent		PCP	
<p><i>* 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</i></p>				
<b>Student's amount of work (balance of ECTS points):</b>				
<b>Student's workload</b> (class participation, activity, preparation, etc.)		<b>Student Workload</b>		
1. Number of hours of direct contact:		70		
2. Number of hours of distance learning:		-		
3. Number of hours of student's own work:		50		
4. Number of hours of directed self-study				
Total student's workload		120		
ECTS points for course		5		



Content of classes:

Seminars ( 5 x 2 hours)

1. Periodontal wound healing. Surgical periodontal therapy. Resective and minimally invasive surgical technique
2. Regenerative periodontal therapy. Indications and limitations for regenerative therapy. Biologically active regenerative materials
3. Periodontal plastic surgery
4. Pathologic tooth migration. Periodontics and orthodontics. Specific of orthodontic treatment in patients with periodontitis
5. Pathologic tooth mobility. Indications and techniques of tooth splinting and grinding. Pre-prosthetic periodontal procedures. Specific of prosthetic therapy with fixed and removable dentures in patients with periodontitis

**Practical classes with patients (15 x 4 hours):**

1. Pathogenesis of periodontal diseases, periodontal medicine, periodontal diagnosis, contemporary classification of periodontal diseases and peri-implant pathologies, clinical and additional periodontal examinations, periodontal clinical chart- written replay of the fourth course year.
2. Initial periodontal therapy, mechanical and chemical supragingival plaque control, non-surgical therapy of periodontitis, contemporary non-surgical treatment protocols of periodontitis (clinical indications and limitations)– written replay of the fourth course year .
3. Periodontal surgery of periodontitis- indications, techniques in periodontal pocket surgery, general guidelines for resective periodontal surgery, contemporary surgical approach to intrabony defects, minimally invasive surgical technique.
4. Concepts in periodontal tissue regeneration. Barrier materials for regenerative surgery, bone replacement grafts, biologically active regenerative materials (enamel matrix derivatives and growth factors), combination therapy. Factors affecting the clinical outcomes in intrabony defects.
5. Surgical treatment of furcation-involved teeth- regeneration of furcation defects, resective surgical treatment.
6. Periodontal plastic surgery- gingival augmentation, root coverage surgical procedures, interdental papilla reconstruction, surgical treatment of incorrect labial frenum.
7. Pathologic tooth migration. Specific orthodontic tooth movements in periodontitis. Specific orthodontic tooth movements in patients with periodontitis. Periodontal regeneration and orthodontic treatment. Orthodontic treatment and periodontal plastic surgery.
8. Correct centric and eccentric occlusion. Trauma from occlusion- clinical dental and periodontal symptoms. Initial and secondary tooth mobility. Indications for selective tooth grinding, principles of occlusal adjustment by selective grinding of the biting surfaces. Indications and techniques of temporary tooth splinting.
9. Pre-prosthetic periodontal surgery- crown-lengthening procedures, surgical procedures for ridge augmentation (correction of soft tissue and bone defects) and preservation of soft tissue collapse following tooth extraction.
10. Provisional prosthetic restorations, achieving proper gingival contours by temporary bridges in the esthetic zone. Prosthetic treatment of patients with periodontitis- specific of fixed and removable prostheses.



11. Implants in patients with periodontitis- implants in the zone of esthetic priority and in the posteriori dental arch. Surgical treatment procedures in periimplantitis.
12. Multidisciplinary treatment of IV stage periodontitis- decision making in patients with advanced periodontal problems, treatment sequences, advances and hopeless cases.
13. Evaluation of the effectiveness of periodontal treatment in accordance with the principles of evidence based periodontology.

**Basic literature:**

1. H-P Mueller: Periodontology: the Essentials. Thieme, 2015.
2. H.F. Wolf, EM and KH. Rateitschak: Periodontology. Thieme 2005.
3. K.S Kornman, M. Tonetti: Proceedings of the World Workshop on the Classification of Periodontal and Peri-implant Diseases and Conditions. J Periodontology, 2018, Special issue S1-S318.

**Additional literature and other materials:**

Clinical periodontology and implant dentistry. 6 edition. Wiley Blackwell 2015.

**Preliminary conditions:** obtaining credits in preclinical periodontology (third year) and periodontology (fourth year).

**Conditions to receive credit for the course:** obtaining a minimum average of 3.0 from corrective marks for the effects of knowledge during test (the first two topics) and verbal answers during every all classes, skill effects will be credited in performing all required procedures in a clinical condition and during the practical objective structured clinical examination (7 stations, 60% pass rate), 60-question test examination with single or multiple-choice questions from among 5 distractors (pass rate 61%), oral examination - the admission condition is to pass a practical exam and a test.  
In the event of an appropriate Rector's order, the final test may be carried out remotely.

Grade:	Criteria for exam
Very Good (5.0)	Passing the practical exam, passing the test exam with a mark of at least better than good, during the oral exam (3 random questions) the student is fluent in solving all issues related to periodontal diseases and their treatment as well as diagnosis and treatment of oral mucosa diseases, has extensive knowledge based on scientific evidence on the most contemporary periodontal problems.
Good Above (4.5)	Passing the practical exam, passing the test exam with a mark of at least good, during the oral exam (3 random questions) the student correctly solves most of the issues related to periodontal diseases and their treatment, as well as the diagnosis and treatment of oral mucosa diseases, the student has some knowledge based on evidence research on the most contemporary periodontal problems.
Good (4.0)	Passing the practical exam, passing the test exam with at least a satisfactory plus grade, during the oral exam (3 random questions) the student correctly solves two issues related to periodontal diseases and their treatment as well as the diagnosis and treatment of oral mucosa diseases, one problem is solved at a basic level.

Satisfactory Plus (3.5)	Passing the practical exam, passing the test exam, during the oral exam (3 random questions) the student correctly solves one issue concerning periodontal diseases and their treatment as well as the diagnosis and treatment of oral mucosa disease, two problems are solved at a basic level.
Satisfactory (3.0)	Passing the practical exam, passing the test exam, during the oral exam (3 random questions) the student solves all issues related to periodontal diseases and their treatment as well as the diagnosis and treatment of oral mucosa diseases only at a basic level

Department in charge of the course:	Department of Periodontology
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**List of persons conducting specific classes:**

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Aleksandra Sender-Janeczek	MDM	Medical sciences	Dentist, periodontist	SE, PCP
Jacek Zborowski	MDM	Medical sciences	Dentist, periodontist	SE, PCP
Joanna Toczewska	MDM	Medical sciences	Dentist	PCP
Aneta Zakrzewska	BDS		Dentist	PCP
Barbara Paśnik-Chwałik	BDS		Dentist	PCP
Katarzyna Dębska-Łasut	BDS		Dentist	PCP

Date of Syllabus development  
05.07.2021

Syllabus developed by  
Tomasz Konopka

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

Signature of Head of teaching unit

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