Appendix
to Resolution No. 2186
of Senate of Wroclaw Medical University
of 1 July 2020

Syllabus for academic year: 2020/2021 Training cycle: clinical training														
Description of the course														
Module/Course	Periodontology							Group of detailed education results						
								Group code F	Group name Clinical course					
Faculty	Faculty of Dentistry													
Major	Dentistry													
Unit realizing the subject	Department and Division of Periodontology													
Specialties	Periodontology													
Level of studies	Uniform magister studies X*													
Form of studies	X part-time													
Year of studies	IV							Semester VIII	X Summer					
Type of course	X obligatory													
Course	X major													
Language of instruction	X English													
* mark □ with an X														
Number of hours														
Form of education														
Unit teaching the course	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)	Specialist Classes – magister studies (SCM)	Foreign language Course (FLC)	Physical Education obligatory (PE)	Vocational Practice (VP)	Self-Study (Student's own work)	E-learning (EL)
Summer Semester														
Direct (contact) education								45				15	45	
Online learning (synchronous)	16													
Distance learning (asynchronous)														
TOTAL per year: 121														
Educational objectives (max. 6 items) C1. Ability to conduct of clinical and epidemiological periodontal examination.														

C2. Knowledge of different clinical features of periodontal and periimplant diseases.
C3. Understanding the effect of periodontal diseases on general health.
C4. Ability to critically analyze knowledge in accordance with evidence based periodontology.
C5. Learning the rules and implementing the rules of non-surgical periodontal therapy in practice.

Education result matrix for module/course in relation to verification methods of the intended education result and the type of class

Number of course education result	Number of major education result	Student who completes the module/course knows/is able to	Methods of verification of intended education results (forming and summarising)	Form of didactic class ***enter the abbreviation*
W 01	FW 2	Knows the rules of preventive and treatment care in periodontology	Oral answers during interactive seminars; Final test in the first week of June	L, SE, PCP, SS
W 02	FW 4	Knows the microbiota associated with periodontal diseases		
W 03	FW 11	Knowns the rules of the differential diagnosis of periodontal disease and periimplantitis		
W 04	FW 15	Knows the principles of systemic and local antibiotic use in periodontal diseases		
W 05	FW 21	Knows the radiologic interpretation in relation to periodontitis and periimplantitis		
W 06	FW 22	Knowns and understands the effect of periodontal diseases on general health according contemporary evidence based periodontology		
U 01	FU 1	Conducts a clinical and epidemiological periodontal examination	Credit for practical requirements	PCP, VP
U 02	FU 2	Diagnoses the periodontal disease and peri-implant pathology		
U 03	FU 7	Establishes indications for the drug and mechanical periodontal therapy		
U 04	FU 8	Applies individualized periodontal prophylaxis		
U 05	FU 10	Leads the acute periodontal phase treatment		
U 06	FU 12	Doses and prescribes medication with periodontal indications		

U 07	FU 20	Leads all forms of non-surgical therapy in periodontitis and periimplantitis		
K 01	FU 1	Conducts a medical interview with a patient or his family	Credit during clinical procedures	PCP, VP
K 02	FU 3	Explains to the patient the nature of periodontal disease and plans simple periodontal treatment cases		
K 03	FU 6	Interprets the results of additional periodontal examinations for the patient		

** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories:
communication of knowledge, skills or forming attitudes:
Knowledge: 5
Skills: 4
Social competences: 3

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

Student's workload (class participation, activity, preparation, etc.)	**Student Workload (h)**
1. Contact hours:	61
2. Online learning hours (e-learning):	45
3. Student's own work (self-study):	15
Total student's workload	121
ECTS points for module/course	4
Comments	

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 (3 x 2 hours)

1. Etiology of periodontal diseases. Dental biofilms and periodontal infections. Immunoregulation in periodontitis. Genetic susceptibility to periodontitis.
2. Effect of periodontitis on general health according contemporary knowledge.
3. Peri-implant pathology- risk factors, contemporary classification, non-surgical treatment.

Seminars (5 x 2 hours)

1. Clinical and epidemiological periodontal examination. Epidemiology of periodontal diseases. Risk factors for periodontitis and periimplantitis.
2. Contemporary classification of periodontal and periimplant diseases.
3. Additional examinations in periodontology.
4. Treatment planning protocols of generally healthy patients with periodontal diseases.
5. Treatment planning protocols of periodontal patients with selected systemic diseases.

Practical classes with patients (15 x 3 hours)

1. Anatomy of marginal periodontal tissues. The mucosa at implants The role and function of the periodontal tissues in stomatognathic system. Regulation of tissue turnover in the periodontium. Periodontal prevention (mechanical and chemical supragingival plaque control) with particular emphasis on individualisation methods of dental biofilm control (replay of the II and III year).
2. Clinical periodontal examination. Clinical and epidemiological indicators. Evaluation of the oral hygiene status, the intensity and extent of gingival inflammation, pocket depth and probing attachment level, furcation involvement, examinations of mucogingival complex, assessment of tooth mobility. Protocol of the periodontal examination. Assessment of multifactorial periodontal risk (PRA). Periodontal chart
3. Hands, ultrasonic and sonic instruments used for non-surgical periodontal treatment, principles of ergonomic work with scalers and curettes. Types of ultrasonic scalers, working tips for subgingival scaling/root planning, advantages and disadvantages of ultrasonic scalers vs. hand curettes. Supragingival and subgingival air polishing, types of powders (replay of the III year).
4. Etiologic determinants of periodontal disease. Dental biofilms and dental calculus. The role of host factors in periodontal disease. Mechanisms of destruction of periodontal tissues. Hypotheses of periodontitis pathogenesis. Genetic susceptibility to periodontal diseases. Risk factors for periodontitis. Etiology and risk factors peri-implant pathology.
5. Contemporary classification of periodontal and peri-implant diseases. Definitions of periodontal health, gingival diseases and periodontitis. Clinical differentiation of gingivitis. Staging and grading of periodontitis. Acute periodontal lesions. The influence of general diseases on the periodontal attachment apparatus. Clinical features and diagnosis of peri-implant pathology.
6. Radiological diagnosis of periodontitis and peri-implantitis with CBCT images. Microbiological, immunological and genetic tests in diagnosis of periodontitis. Examination of gingival fluid, saliva, gingival tissues and blood serum- what we are looking for in the diagnosis of periodontitis?
7. Methodology for assessing the relationship between the risk factor and disease. Types of studies in periodontal medicine. The relationship between periodontal inflammation and cardiovascular disease, diabetes mellitus, adverse pregnancy outcomes and other general diseases. Periodontology based on evidence.
8. The use of antiseptics in the control of dental biofilm. Active agents for chemical biofilm control. Clinical indications for chemical plaque control Treatment of gingivitis. Supragingival treatment of periodontitis.
9. The methodology of classical non-surgical treatment of periodontitis- definitions and goals of subgingival scaling, root-planning (SRP) and closed curettage. Clinical, histopathologic and microbiologic outcomes following SRP. Possibilities and limitations of non-surgical periodontal treatment.
10. Alternative protocols of non-surgical periodontal treatment: full mouth disinfection, local administration of antimicrobial agents, modulation of host response, subgingival air polishing, Vector system. Conservative treatment of periimplantitis, cumulative interceptive supportive therapy- CIST.
11. Photodynamic therapy in the treatment of periodontitis. Er:YAG, diode and Nd:YAG lasers in non-surgical therapy of periodontitis. Laser assisted new attachment procedure- LANAP. Ability to critically evaluate novelties in periodontal treatment.
12. Systemic antibiotics in therapy of periodontitis- indications and contraindications, principles of antibiotics use in periodontitis, specific characteristics of the periodontal infections, timing of systemic antibiotic corrective phase of periodontitis treatment.

13. Management of acute periodontal lesions: treatment of necrotizing periodontal disease, herpetic gingivostomatitis, abscesses in the periodontium and endo-perio lesions.
14. Maintenance phase in the complex treatment of periodontitis.

Basic literature:
H-P Mueller: Periodontology. The Essentials. 2 edition. Georg Thieme Verlag 2016.

AAP and EFP materials regarding new classification for periodontal and peri-implant diseases from 2017 year.

Additional literature and other materials:
Clinical periodontology and implant dentistry. 6 edition. Wiley Blackwell 2015.

Didactic resources requirements (e.g. laboratory, multimedia projector, other…)
Dental units and instruments for non-surgical periodontal treatment. Seminar and lecture rooms with projector.

Preliminary conditions (minimum requirements to be met by the student before starting the module/course):
basic knowledge in the field of preclinical periodontology (year III).

Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be med by the student to pass it and criteria for specific grades):

Adequate attendance in accordance with the rules of clinical studies, getting good ratings in the interpretation and validation of clinical knowledge in the interactive seminars, passing the final test (61% pass rate), self-performed the appropriate periodontal clinical procedures.

	Criteria (only for courses/modules ending with e credit)
Credit	Adequate attendance in accordance with the rules of clinical studies, getting in the interactive seminars, passing the final test (61% pass rate), self-perfor

Unit realizing the subject	Department and Division of Periodontology
Unit address	Krakowska 26, Street, Wrocław, area code 50-425
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Person responsible for module	Aleksandra Sender-Janeczek MDM, Department of Periodontology

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Coordinator	Aleksandra Sender-Janeczek MDM, Department of Periodontology
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List of persons conducting specific classes

Full name	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Aleksandra Sender-Janeczek	MDM	medicine	Dentist/ didactic assistant proffesor	L, SE, PCP
Jacek Zborowski	MDM	medicine	Dentist/ didactic assistant proffesor	SE, PCP
Joanna Toczewska	MDM	medicine	Dentist/ didactic assistant proffesor	PCP
Katarzyna Dębska-Łasut	BDS	medicine	Dentist/ assistant	PCP
Barbara Paśnik-Chwalik	BDS	medicine	Dentist/ assistant	PCP

Date of Syllabus development

2020-09-24

Syllabus developed by

Tomasz Konopka, MD, PhD

Signature of Head of teaching unit

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Signature of Faculty Dean

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