



# Pomeranian Medical University in Szczecin

## SYLLABUS of the MODULE (SUBJECT) General Information

Module title: Periodontal Diseases	
Module type	Obligatory
Faculty PMU	Faculty of Medicine and Dentistry
Major	Dentistry
Level of study	long-cycle (S2J)
Mode of study	full-time studies
Year of studies, semester	year 4, semester VII
ECTS credits (incl. semester breakdown)	2 ECTS
Type/s of training	lectures (5h) /seminars (5h)/ practical (25h)
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <input type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <input type="checkbox"/> final examination <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral
Head of the Department / Clinic / Unit	dr hab. n. med. Elżbieta Dembowska
Tutor responsible for the module	dr hab. n. med. Małgorzata Mazurek-Mochol
Department / Clinic / Unit website	<a href="https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/zaklad-periodontologii">https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/zaklad-periodontologii</a>
Language	English

\* replace ☐ into ☒ where applicable

## Detailed information

<b>Module objectives</b>		<p>The main aim of Periodontal Diseases is to:</p> <ul style="list-style-type: none"> <li>acquire practical skills in the diagnosis, differentiation, and comprehensive treatment of periodontal diseases,</li> <li>learn practical cooperation with patients with periodontal disease and the use of basic periodontal treatments in prevention, treatment and preservation of treatment effects,</li> <li>integrate knowledge of basic disciplines of the impact of periodontal disease on the general health of the patient.</li> </ul>
Prerequisite /essential requirements	Knowledge	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>anatomy and physiology of parodontium,</li> <li>principles of ergonomics and periodontal instrumentation,</li> <li>types of periodontal diseases, diagnostic criteria and differentiation of periodontal disease,</li> <li>algorithm of action in individual clinical periodontal disease,</li> <li>impact of periodontal disease on the general health of the patient,</li> <li>diagnostics and principles of treatment planning in occlusal trauma, masticatory parafunctions and functional disorders of the temporomandibular joint.</li> </ul>
	Skills	<p>Skills of:</p> <ul style="list-style-type: none"> <li>using the periodontal instruments,</li> <li>work according to the principles of ergonomics and teamwork including the "four hands" work,</li> <li>subject survey, determining the health of parodontium and oral mucosa,</li> <li>prevention and basic treatment of periodontal diseases.</li> </ul>
	Competences	A habit of self-study, cooperation in a team patient-doctor-dental assistant, an awareness of the need for cooperation of dentist with doctors of other specialties.

## Description of the learning outcomes for the subject /module

No. of learning outcome	Student, who has passed the (subject) knows /is able to /can:	SYMBOL (referring the standards)	Method of verification of learning outcomes*
W01	knows and understands mechanism leading to organ and systemic pathology (incl. of infection, auto-immunological diseases and ones caused by immune deficit, metabolic and genetic diseases)	K_F.W02	Continuous evaluation during exercises
W02	knows rules of prophylactic-therapeutic procedures in diseases of stomatognathic system in different phases of development	K_F.W03	Continuous evaluation during exercises, checking of the practical skills
W03	knows symptoms, course and procedures for	K_F.W05	Assessment

	certain diseases of oral cavity , head and neck with regard to age groups		based on the patient's examination and test pass
W04	knows rules of administering local anesthesia in area of stomathognatic system	K_F.W06	Practical skills assessment during exercises
W05	knows diagnostics and treatment of parodontium and diseases of oral mucosa	K_F.W11	Practical skills assessment during exercises and test
W06	knows causes and procedures for management with complications of stomatognathic system diseases	K_F.W14	Practical skills assessment during exercises and test
W07	knows rehabilitation methods for stomatognathic system	K_F.W16	Practical skills assessment during exercises and test
W08	knows rules of radiological diagnostics	K_F.W21	Assessment during exercises
W09	knows and understands pathomechanism of influence of oral cavity on general health state	K_F.W22	Assessment based on test
U01	interviews patient or his/her family	K_F.U01	Practical skills assessment during exercises
U02	carries out physical examination of patient	K_F.U02	Practical skills assessment during exercises
U03	provides patient with explanation about nature of ailment, prescribes treatment confirmed by patient's free consent and prognosis	K_F.U03	Practical skills assessment during exercises
U04	provides patient or his/her relatives with bad news about health state	K_F.U04	Practical skills assessment during exercises
U05	samples and protects material for diagnostic examination (incl. of cytology)	K_F.U20	Practical skills assessment

			during exercises
U06	interprets results of ancillary tests	K_F.U06	Practical skills assessment during exercises
U07	finds indications as to performance of certain dental procedure	K_F.U07	Practical skills assessment during exercises
U08	knows prophylaxis of oral cavity diseases	K_F.U08	Practical skills assessment during exercises
U09	knows procedures applicable to diseases of stomatognathic system tissues, tooth and jaw bones	K_F.U09	Practical skills assessment during exercises
U10	treats acute and chronic tooth-related and non-tooth-related inflammation of oral cavity soft tissue, paradontium and jaw bones	K_F.U10	Practical skills assessment during exercises
U11	knows procedures applicable to cases of general and local complications during and after dental treatment	K_F.U11	Practical skills assessment during exercises
U12	prescribes drugs with regard to their interactions and side effects	K_F.U12	Practical skills assessment during exercises
U13	keeps day-to-day patient's records, refers patient to general and special dental and medical examination or treatment	K_F.U13	Practical skills assessment during exercises
U14	presents selected medical issues in written or oral form relevantly to recipient standards	K_F.U15	Practical skills assessment during exercises
U15	establishes treatment in diseases of stomatognathic system tissues	K_F.U18	Practical skills assessment during exercises
K01	shows habit of self-education and lifelong education	K_K01	
K02	accepts need of standards of conduct and legislation regarding medical practice	K_K02	

K03	shows respect to human body	K_K04	
K04	shows respect to patient, social groups and cares for their goodwill and security	K_K05	
K05	understands proper examiner/examined relationship	K_K08	
K06	understands need for keeping professional secrecy and showing respect to patients' rights	K_K09	

**Table presenting LEARNING OUTCOMES in relation to the form of classes**

No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical classes	Clinical classes	Simulations	E-learning	Other...
01	K_F.W02	X	X					
02	K_F.W03	X	X					
03	K_F.W05	X	X					
05	K_F.W06	X	X					
06	K_F.W11	X	X					
07	K_F.W14		X					
08	K_F.W16		X					
09	K_F.W21		X					
10	K_F.W22		X					
11	K_F.U01				X			
12	K_F.U02				X			
13	K_F.U03				X			
14	K_F.U04				X			
15	K_F.U05				X			
16	K_F.U06				X			
17	K_F.U07				X			
18	K_F.U08				X			
19	K_F.U09				X			
20	K_F.U10				X			
21	K_F.U11				X			
22	K_F.U12				X			
23	K_F.U13				X			
24	K_F.U15				X			
25	K_F.U18				X			
26	K_F.U20				X			
27	K_K01				X			
28	K_K02				X			
29	K_K03				X			
30	K_K04				X			
31	K_K05				X			
32	K_K08				X			

Table presenting TEACHING PROGRAMME			
No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
<b>Winter semester</b>			
<b>Lectures</b>			
TK 01	Etiology and etiopathogenesis of gingivitis and periodontitis.	1	W01
TK 02	Non-surgical therapy of gingivitis and periodontitis.	1	W02,W03,W04, W05
TK 03	Surgical therapy of gingivitis and periodontitis.	1	W05,W03,W04
TK 04	Interdisciplinary and maintenance treatment.	1	W01,W03,W04,W05
TK 05	Winter semester test.	1	
<b>Seminars</b>			
TK01	Anatomy and physiology of periodontium. Indicators (API, BOP, PI, GI, CPITN, SBI, mSBI, PBI). Periodontal parameters examination (PD, CAL, BL).	1	W01, W02, W03,W04, W05, W08
TK02	Classification of periodontal diseases (2017). Differentiation of gingival and periodontal diseases, symptomatology.	1	W03, W05, W06
TK03	Prophylactic of gingival and periodontal diseases. Non-surgical treatment (periodontal instrumentation, methods of non-surgical treatment). Radiological visualization of gingival and periodontal diseases.	1	W03, W05
TK04	Maintenance phase in periodontal treatment.	1	W05, W09
TK05	Schemes of comprehensive periodontitis treatment and management in acute periodontal conditions. Relationship of periodontitis with systemic diseases.	1	W02,W03, W05, W07
<b>Practical classes</b>			
TK01	Clinical exercises with patients, Admission of patients, examination of the periodontium and oral mucosa. Assessment of hygiene indicators, learning about oral hygiene. Preparation of preventive and therapeutic plan. Performing of professional hygiene treatments.	25	U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, U14, U15, U16, K01, K02, K03, K04, K05, K06, K07

Booklist
<b>Obligatory literature</b>
<b>1. Articles about new classification of periodontal diseases</b> <ol style="list-style-type: none"> <li>1. Caton J et al. A new classification scheme for periodontal and peri-implant diseases and conditions- introduction and key changes from the 1999 classification. J Periodontol 2018; 89 (Suppl 1):S1-S8.</li> <li>2. Chapple ILC et al. Periodontal health and gingival diseases and conditions on an intact and a reduced periodontium: Consensus report of workgroup 1 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. J Periodontol. 2018;</li> </ol>

89(Suppl 1): S74-S84.

3. Murakami S et al. Dental plaque-induced gingival conditions. J Periodontol. 2018; 89(Suppl 1):S17-S27.
4. Holmstrup P et al. Non-plaque-induced gingival diseases. J Periodontol.2018;89(Suppl 1): S28-S45.
5. Lang NP et al. Periodontal health. J Periodontol.2018; 89(Suppl 1): S9-S16.
6. Papanou PN et al. Periodontitis: Consensus report of Workgroup 2 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. J Periodontol.2018;89 (Suppl 1): S173-S182.
7. Herrera D et al. Acute periodontal lesions (periodontal abscesses and necrotizing periodontal diseases) and endo-periodontal lesions. J Periodontol. 2018 (Suppl 1): S85-S102.
8. Tonetti MS et al. Staging and grading of periodontitis: Framework and proposal of a new classification and case definition. J Periodontol. 2018;89 (Suppl 1): S159-S172.
9. Jepsen S et al. Periodontal manifestations of systemic diseases and developmental and acquired conditions: Consensus report of workgroup 3 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. J Periodontol.2018; 89 (Suppl 1): S237-S248.
10. Albandar JM et al. Manifestations of systemic diseases and conditions that affect the periodontal attachment apparatus: Case definitions and diagnostic considerations. J Periodontol.2018; 89 (Suppl 1):S183-S203.
11. Berglundh T et al. Peri-implant diseases and conditions: Consensus report of workgroup 4 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. J Periodontol.2018; 89 (Suppl 1): S313-S318.
12. Renvert S et al. Peri-implant health, peri-implant mucositis and peri-implantitis: Case definitions and diagnostic considerations. J Periodontol.2018;89 (Suppl1):S304-S312.
13. Cortellini P et al. Mucogingival conditions in the natural dentition: Narrative review, case definitions, and diagnostic considerations. J Periodontol. 2018;89 (Suppl 1): S204-S213.
14. Fan J et al. Occlusal trauma and excessive occlusal forces: Narrative review, case definitions, and diagnostic considerations. J Periodontol. 2018;89 (Suppl 1): S214-S222.
15. Ercoli C et al. Dental prostheses and tooth-related factors. J Periodontol.2018;89 (Suppl 1): S223-S236.

## 2. Articles about treatment of periodontitis

1. Sanz M. et al. Treatment of stage I–III periodontitis—The EFP S3 level clinical practice guideline. Journal of Clinical Periodontology 2020, 48, 1, 164-165. J Clin Periodontol 2020,47,22:4-60.
2. Tonetti M., Sanz M. Implementation of the new classification of periodontal diseases: Decision-making algorithms for clinical practice and education. J Clin Periodontol. 2019 Apr;46(4):398-405.
3. Clinical Periodontology and Implant Dentistry. Edited by J. Lindhe, Niklaus P.Lang. Chichester: Wiley Blackwell, 2015.

## Supplementary literature

1. Periodontology- The Essentials. Hans-Peter Mueller Thieme; Edycja 2. (2015)
2. Periodontology: Color Atlas of Dental Medicine by Herbert F. Wolf, Edith M. Rateitschak-Pluss Klaus H. Rateitschak
3. Carranza's Clinical Periodontology by Michael G. Newman, Henry Takei, Fermin A. Carranza, Perry R. Klokkevold

<b>Standards of procedures required to obtain credit:</b>
1. Examination of periodontal indicators - 7 2. Measurements of periodontal parameters - 7 3. Scaling + polishing I phase - 10 4. Scaling + polishing III phase -10 5. Subgingival scaling + polishing- 10 6. General hygiene instruction - 15 7. Interdental hygiene instruction - 15 8. Occlusal conditions analysis - 2 9. Selective grinding - 2 10. Immobilization - 1 11. Procedure assistance - 1 12. Comprehensive periodontal treatment plan - 3 13. Anesthesia - 3

<b>Student's workload</b>	
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
	Tutor
Contact hours with the tutor	35
Time spent on preparation to seminars/ practical classess	10
Time spent on reading recommended literature	5
Time spent on writing report/making project	
Time spent on preparing to colloquium/ entry test	10
Time spent on preparing to exam	
Other .....	
Student's workload in total	60
<b>ECTS credits for the subject (in total)</b>	2
<b>Remarks</b>	

\* Selected examples of methods of assessment:

EP – written examination

EU – oral examination

ET – test examination

EPR – practical examination

K – colloquium

R – report

S – practical skills assessment

RZC – practical classes report, incl. discussion on results

O – student's active participation and attitude assessment

SL – lab report

SP – case study

PS - assessment of student's ability to work independently

W – entry test

PM – multimedial presentation

other...