



**SYLLABUS of the MODULE (SUBJECT)**  
**General Information**

<b>Module title: PERIODONTAL DISEASES</b>	
Module type	Obligatory
Faculty PMU	Faculty of Dentistry
Major	Dentistry
Level of study	long-cycle (S2J)
Mode of study	full-time studies
Year of studies, semester	Year IV, semester VII
ECTS credits (incl. semester breakdown)	
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. Monika Machoy-Rakoczy
Tutor responsible for the module	dr hab. n. med. Małgorzata Mazurek-Mochol, prof. PUM e-mail: malgorzata.mazurek.mochol@pum.edu.pl
Department's/ Clinic's/ Unit's website	Department of Periodontology e-mail: zperio@pum.edu.pl  <a href="https://www.pum.edu.pl/studenci/informacje_z_jednostek/ws/zaklad_periodontologii/">https://www.pum.edu.pl/studenci/informacje_z_jednostek/ws/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	<p>A habit of self-study, cooperation in a team, using all available sources of medical knowledge, respecting professional secrecy, awareness of the need for cooperation between the dentist and doctors of other specialties, cooperation in the patient-doctor-dental assistant team.</p>

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 the principles of preventive and therapeutic management in the masticatory system diseases at various stages of development;	F.W2.	Continuous evaluation during exercises (entrance test)
W02	knows and understands symptoms, course and treatment methods of specified diseases of oral cavity, head and neck with regard to age groups	F.W4.	Continuous evaluation during exercises (entrance test) and during the semester assessment
W03	knows and understands diagnostics and treatment of periodontal and oral mucosa diseases	F.W9.	Continuous evaluation during exercises (entrance test) and during the semester assessment

W04	knows and understands causes of complications of stomatognathic system diseases and the rules of their management	F.W12.	Continuous evaluation during exercises (entrance test) and during the semester assessment
W05	knows and understands rehabilitation methods for stomatognathic system	F.W14.	Continuous evaluation during clinical classes ET, S, PS, W
W06	knows and understands rules of radiological diagnostics	F.W18.	Continuous evaluation during clinical classes and during final assessment
W07	knows and understands pathomechanism of oral cavity diseases' influence on general health state	F.W19.	Continuous evaluation during clinical classes
W08	knows and understands prophylaxis of oral cavity diseases	F.W21.	Continuous evaluation during clinical classes Practical skills testing
W09	knows and understands principles of management of masticatory system tissues diseases, teeth and jaw bone trauma	F.W22.	Continuous evaluation during clinical classes
W10	knows and understands the nature of dental care for a patient with a general disease as well as the principles of cooperation with a consultant physician	F.W23.	Continuous evaluation during clinical classes
U01	is able to interview patient or his/her family	F.U1.	Continuous evaluation during clinical classes Practical skills testing
U02	is able to carry out dental examination of patient	F.U2.	Continuous evaluation during clinical classes
U03	is able to provide patient with explanation about nature of ailment, establish treatment confirmed by informed consent of the patient as well as establish prognosis	F.U3.	Continuous evaluation during clinical classes Practical skills testing
U04	is able to provide patient or his/her family with the information about unfavourable prognosis	F.U4.	Continuous evaluation during clinical classes Practical skills testing
U05	is able to sample and protect material for diagnostic tests, including cytology	F.U5.	Continuous evaluation during exercises (entrance test) and during the semester assessment

U06	is able to interpret results of auxiliary diagnostics and consultations	F.U6.	Continuous evaluation during clinical classes Practical skills testing and checking during semester assessment
U07	is able to determine indications and contraindications to a specified dental procedure	F.U7.	Continuous evaluation during clinical classes Practical skills testing
U08	is able to treat tooth-derived and non-tooth-derived acute and chronic inflammation of soft tissue, periodontium and jaw bones	F.U8.	Continuous evaluation during clinical classes Practical skills testing
U09	is able to manage general and local complications during and after dental procedures	F.U9.	Continuous evaluation during clinical classes Practical skills testing
U10	is able to prescribe medicines taking into account their interactions and side effects	F.U10.	Continuous evaluation during clinical classes Practical skills testing
U11	is able to keep current patient records, refer patient to general and specialist dental and medical examination or treatment	F.U11.	Continuous evaluation during clinical classes Practical skills testing
U12	is able to formulate research problems in dentistry	F.U12.	Continuous evaluation during clinical classes Practical skills testing
U13	is able to present selected medical problems in oral or written form relevantly to recipient standards	F.U13.	Continuous evaluation during clinical classes
U14	is able to establish treatment for stomatognathic system tissues diseases	F.U15.	Continuous evaluation during clinical classes
U15	is able to diagnose and perform basic treatment of periodontal diseases	F.U17.	Continuous evaluation during clinical classes Practical skills testing and checking during semester assessment
K01	is ready to establish and maintain deep and respectful contact with the patient as well as to show understanding for ideological and cultural differences	K.1.	Continuous evaluation during clinical classes

K02	is ready to be guided by the patient wellbeing	K.2.	Continuous evaluation during clinical classes
K03	is ready to respect physician-patient privilege and patient's rights	K.3.	Continuous evaluation during clinical classes
K04	is ready to take activities towards patient on the basis of ethical principles with awareness of social conditions and disease restrictions	K.4.	Continuous evaluation during clinical classes
K05	is ready to notice and recognize own limitations, make self-assessment of educational deficits and needs	K.5.	Continuous evaluation during clinical classes
K06	is ready to propagate health-promoting behaviour	K.6.	Continuous evaluation during clinical classes
K07	is ready to use reliable sources of information	K.7.	Continuous evaluation during clinical classes
K08	is ready to draw conclusions from own measurements or observations	K.8.	Continuous evaluation during clinical classes
K09	is ready to implement the principles of professional fellowship and cooperation in a team of specialists, including representatives of other medical professions, also in a multicultural and multinational environment	K.9.	Continuous evaluation during clinical classes
K10	is ready to formulate opinions on various aspects of professional activity	K.10.	Continuous evaluation during clinical classes
K11	is ready to assume responsibility related to decisions taken as a part of professional activity, also in terms of own safety and the safety of others	K.11.	Continuous evaluation during clinical classes

Table presenting <b>LEARNING OUTCOMES</b> in relation to the form of classes								
No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical	Clinical classes	Simulations	E-learning	Other...
1.	F.W2.	X		X	X			
2.	F.W4.	X			X			
3.	F.W9.	X		X	X			
4.	F.W12.	X			X			
5.	F.W14.		X		X			
6.	F.W18.				X			
7.	F.W19.				X			
8.	F.W21.				X			
9.	F.W22.				X			
10.	F.W23.				X			
11.	F.U1.				X			
12.	F.U2.			X	X			

13.	F.U3.		X	X				
14.	F.U4.				X			
15.	F.U5.				X			
16.	F.U6.				X			
17.	F.U7.			X	X			
18.	F.U8.				X			
19.	F.U9.				X			
20.	F.U10.		X		X			
21.	F.U11.		X	X	X			
22.	F.U12.				X			
23.	F.U13.				X			
24.	F.U15.				X			
25.	F.U17.				X			
26.	K.1.				X			
27.	K.2.				X			
28.	K.3.				X			
29.	K.4.				X			
30.	K.5.				X			
31.	K.6.				X			
32.	K.7.				X			
33.	K.8.				X			
34.	K.9.				X			
35.	K.10.				X			
36.	K.11.	X			X			

<b>Table presenting TEACHING PROGRAMME</b>			
<b>No. of a teaching programme</b>	<b>Teaching programme</b>	<b>No. of hours</b>	<b>References to learning outcomes</b>
<b>Winter semester</b>			
<b>Lectures</b>			
TK 01	Etiology and etiopathogenesis of gingivitis and periodontitis.	1	W01,02, W08
TK 02	Non-surgical treatment of gingivitis and periodontitis.	1	W02, W03, W06
TK 03	Surgical treatment of gingivitis and periodontitis.	1	W03, W04
TK 04	Interdisciplinary and supportive treatment.	1	W03, W05, W06, W07
TK 05	Test assessment for the winter semester.	1	
<b>Seminars</b>			
TK01	Anatomy and physiology of the periodontium. Etiopathogenesis of gingivitis and periodontitis. Indicators (API, BOP, PI, GI, CPITN, SBI, mSBI, PBI). Examination of periodontal parameters (PD, CAL, BL).	1	W01
TK02	Classification of gum and periodontal diseases (2017). Differentiation of gum and periodontal diseases, symptomatology.	1	W03, W04
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	W01, W05, W08
TK04	Maintenance phase in periodontal treatment.	1	W03, W06

TK05	Schemes of comprehensive periodontitis treatment and management in acute periodontal conditions. Relationship of periodontitis with systemic diseases.	1	W03, W05, W09, W10
<b>Practical classes</b>			
TK01	Admitting patients, examining the condition of the periodontium and oral mucosa. Assessment of hygiene indicators, learning oral hygiene. Establishing a preventive and treatment plan. Performing professional hygiene treatments.	25	U01-14 K01-K10

## Booklist

### Obligatory literature

#### 1. Articles about new classification of periodontal diseases

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.
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; 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

### Procedure standards required to pass the year:

1. Patient examination extra- and intraoral -1 pt
2. Assessment of API, BOP, FMPI indicators – 1 pt
3. Hygiene instruction with brushing training – 2 pts
4. Supragingival and subgingival scaling (minimum 4) – 3 pts
5. Root planing (minimum 2) – 3 pts
6. Sandblasting (minimum 3) – 3 pts
7. Filling of the Periochart (minimum 4) - 2 pts
8. Analysis of X-ray images – 2 pts
9. Periotest examinations -1 pt
10. Additional examinations – sialometry 1 pt  
- examination of electropotentials in the oral cavity 1 pt
11. Examination of a patient with the oral mucosa disease – 1 pt

Minimum 60 points must be obtained for performing procedures during the semester.

### Student's workload

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 classes	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 – multimedia presentation

other...