



# Pomeranian Medical University in Szczecin

## SYLLABUS of the MODULE (SUBJECT) valid from the academic year 2019/2020

### General Information

Module title	Periodontal Diseases
Module type	Obligatory
Faculty	Faculty of Medicine and Dentistry
Field of study	Medicine and Dentistry
Major	Not applicable
Level of study	long-cycle (S2J)
Mode of study	intramural
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	graded assessment
Head of the Department/ Clinic, Unit	dr hab. n. med. Elżbieta Dembowska
Tutor responsible for the module	Dr n.med. Małgorzata Mazurek-Mochol
Department's/ Clinic's/ Unit's 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

**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.

<b>Description of the learning outcomes for the subject /module</b>			
<b>No. of learning outcome</b>	<b>Student, who has passed the (subject) knows /is able to /can:</b>	<b>SYMBOL (referring the standards) ZEK</b>	<b>Method of verification of learning outcomes *</b>
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 Checking of the practical skills
W02	knows rules of prophylactic-therapeutic procedures in diseases of stomatognathic system in different phases of development	K_F.W03	
W03	knows symptoms, course and procedures for certain diseases of oral cavity , head and neck with regard to age groups	K_F.W05	
W04	knows rules of administering local anesthesia in area of stomathognathic system K_F.W06	K_F.W06	
W05	knows diagnostics and treatment of parodontium and diseases of oral mucosa	K_F.W11	
W06	knows causes and procedures for management with complications of stomatognathic system diseases	K_F.W14	
W07	knows rehabilitation methods for stomatognathic system	K_F.W16	

W08	knows rules of radiological diagnostics	K_F.W21	
W09	knows and understands pathomechanism of influence of oral cavity on general health state	K_F.W22	
U01	interviews patient or his/her family	K_F.U01	
U02	carries out physical examination of patient	K_F.U02	
U03	provides patient with explanation about nature of ailment, prescribes treatment confirmed by patient's free consent and prognosis	K_F.U03	
U04	provides patient or his/her relatives with bad news about health state	K_F.U04	
U05	samples and protects material for diagnostic examination (incl. of cytology)	K_F.U05	
U06	interprets results of ancillary tests	K_F.U06	
U07	finds indications as to performance of certain dental procedure	K_F.U07	
U08	knows prophylaxis of oral cavity diseases	K_F.U08	
U09	knows procedures applicable to diseases of stomatognathic system tissues, tooth and jaw bones	K_F.U09	
U10	treats acute and chronic tooth-related and non-tooth-related inflammation of oral cavity soft tissue, paradontium and jaw bones	K_F.U10	
U11	knows procedures applicable to cases of general and local complications during and after dental treatment	K_F.U11	
U12	prescribes drugs with regard to their interactions and side effects	K_F.U12	
U13	keeps day-to-day patient's records, refers patient to general and special dental and medical examination or treatment	K_F.U13	
U14	presents selected medical issues in written or oral form relevantly to recipient standards	K_F.U15	
U15	establishes treatment in diseases of stomatognathic system tissues	K_F.U18	
U16	diagnoses and treats paradontium disease to basic extent	K_F.U20	
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	can co-operate with team members and care about occupational safety	K_K03	
K04	shows respect to human body	K_K04	
K05	shows respect to patient, social groups and cares for their goodwill and security	K_K05	
K06	understands proper examiner/examined relationship	K_K08	
K07	understands need for keeping professional secrecy and showing respect to patients' rights	K_K09	

Table presenting learning outcomes of the subject/module in relation to the form of classes									
No.	SYMBOL (referring the standards) ZEK	Type/s of training							
		Lecture	Seminar	Practical classes	Clinical classes	...	...	...	Other...
1.	K_F.W02	X	X						
2.	K_F.W03	X	X						
3.	K_F.W05	X	X						
4.	K_F.W06	X	X						
5.	K_F.W11	X	X						
6.	K_F.W14		X						
7.	K_F.W16		X						
8.	K_F.W21		X						
9.	K_F.W22		X						
10.	K_F.U01				X				
11.	K_F.U02				X				
12.	K_F.U03				X				
13.	K_F.U04				X				
14.	K_F.U05				X				
15.	K_F.U06				X				
16.	K_F.U07				X				
17.	K_F.U08				X				
18.	K_F.U09				X				
19.	K_F.U10				X				
20.	K_F.U11				X				
21.	K_F.U12				X				
22.	K_F.U13				X				
23.	K_F.U15				X				
24.	K_F.U18				X				
25.	K_F.U20				X				
26.	K_K01				X				
27.	K_K02				X				
28.	K_K03				X				
29.	K_K04				X				
30.	K_K05				X				
31.	K_K08				X				
32.	K_K09				X				

Module contents no.	Description of teaching programme	No. of hours	References to learning outcomes
<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	W03, W04, W05
TK 04	Interdisciplinary and maintenance treatment	1	W01, W03, W04, W05
TK 05	Winter semester test	1	
<b>Seminars</b>			
TK01	Revision (anatomy, physiology of periodontium, periodontal examination, etiopathogenesis and classification of periodontal diseases). Differentiation of periodontal and gingival diseases. Symptomatology (clinical signs and symptoms), radiographic examination, monitoring (indices). Anti-inflammatory therapy phase - Skaling, Root Planing. Anti-inflammatory therapy phase - antibacterial methods of therapy (including FMD, SDD, PDT). Knowledge review on periodontal disease prevention and maintenance phase.	1	W01, W03, W04, W05, W08,
TK02	Diagnosis of occlusal disturbances. Parafunctions. Secondary occlusal trauma, treatment of changes induced by secondary occlusal trauma- selective grinding of teeth. Secondary occlusal trauma- splinting therapy.	1	W03, W05, W06
TK03	Resective periodontal surgery- gingivectomy, radectomy, tunneling, hemisection. Regenerative periodontal surgery in periodontopathy treatment.	1	W05, W03
TK04	Periodontopathy impact on overall health, prevention of systemic diseases. Physical therapy of periodontopathy. Halitosis.	1	W05, W09
TK05	Prosthetic, implant and orthodontic treatment (of periodontal patients) in comprehensive periodontal therapy.	1	W03, W05, W07, W02
<b>Practical classes:</b>			
TK01	Clinical exercises with patients	25	U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, U14, U15, U16, K01, K02, K03, K04, K05, K06, K07

<b>Booklist</b>			
Obligatory literature:			
1. The Periodontic Syllabus by Arthur R. Vernino, Jonathan Gray, Elizabeth Hughes. Wolters Kluwer/ Lippincott Williams & Wilkins. Fifth edition. 2008			
2. Carranza's Clinical Periodontology by Michael G. Newman, Henry Takei, Fermin A. Carranza, Perry R. Klokkevold			
3. Periodontology: Color Atlas of Dental Medicine by Herbert F. Wolf, Edith M. Rateitschak-Pluss Klaus H. Rateitschak			
<b>Student's workload (balance sheet of ECTS credits)</b>			
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]		
	Tutor	Student	Average
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...