



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT)

valid from the academic year 2018/2019

General Information

Module title	Periodontal and Mucous Membrane 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 5, semester IX i X
ECTS credits (incl. semester breakdown)	7 ECTS (Semester IX-4, semester X-3)
Type/s of training	Semester IX-seminars 10h/ practical 45h; semester X-practical 50 h
Form of assessment	- graded assessment: - final examination: test
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	https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/zaklad-periodontologii
Language	English

Detailed information

Module objectives		<p>The aim of Periodontal and Mucosal Diseases is to:</p> <ul style="list-style-type: none">• acquire practical skills in the diagnosis, differentiation, and comprehensive treatment of periodontal diseases,• learn practical cooperation with patients with periodontal disease and the use of basic periodontal treatments in prevention, treatment and preservation of treatment effects,• integrate knowledge of basic disciplines of the impact of periodontal disease on the general health of the patient,• familiarize students with the symptomatology, diagnosis and preventive treatment of selected diseases of oral mucosa, with particular emphasis on changes and precancerous conditions,• acquire the ability to use additional examinations, acquire skills in treatment of diseases of oral mucosa including pharmacological and physical therapy.
Prerequisite /essential requirements	Knowledge	<p>Knowledge of:</p> <ul style="list-style-type: none">• anatomy and physiology of parodontium,• principles of ergonomics and periodontal instrumentation,• types of periodontal diseases, diagnostic criteria and differentiation of periodontal disease,• algorithm of action in individual clinical periodontal disease,• impact of periodontal disease on the general health of the patient,• diagnostics and principles of treatment planning in occlusal trauma, masticatory parafunctions and functional disorders of the temporomandibular joint. <ul style="list-style-type: none">• the anatomy and physiology of oral mucosa,• oral microbiology,• rules for collecting biological material for microbiological, cytological and histological examination;• the capabilities and the use of immunoassays in the histopathological diagnosis of selected diseases of oral cavity.
	Skills	<p>Skills of:</p> <ul style="list-style-type: none">• using the periodontal instruments,• work according to the principles of ergonomics and teamwork including the "four hands" work,• subject survey, determining the health of parodontium and oral mucosa,• prevention and basic treatment of periodontal diseases <p>An ability to:</p> <ul style="list-style-type: none">• diagnose deviations from the physiology of oral cavity,• interpret the results of additional blood tests,• check blood pressure, handling shock and cardiac arrest,• communicate in a professional way with patients of all ages,• manage patient medical records.
	Competences	A habit of self-education, teamwork, use of all available sources of medical knowledge, respect for professional secrecy, an awareness of the need for cooperation of dentist with doctors of other specialties, cooperation in a team patient-doctor-dental assistant.

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) ZEK	Method of verification of learning outcomes *
W01	knows occlusion norms in different phases of ontogenesis and deviations from norms	K_F.W01	Continuous evaluation during exercises Checking of the practical skills
W02	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	
W03	knows rules of prophylactic-therapeutic procedures in diseases of stomatognathic system in different phases of development	K_F.W03	
W04	knows viral, bacterial and mycotic flora of oral cavity and importance thereof	K_F.W04	
W05	knows symptoms, course and procedures for certain diseases of oral cavity , head and neck with regard to age groups	K_F.W05	
W06	knows rules of administering local anesthesia in area of stomathognathic system	K_F.W06	
W07	knows principles of conduct of pulp diseases and mineralized tooth tissue and injury of tooth and facial skeleton	K_F.W07	
W08	knows diagnostics and treatment of parodontium and diseases of oral mucosa	K_F.W11	
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 parodontium 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.W01		x						
2	K_F.W02		x						
3	K_F.W03		x						
4	K_F.W04		x						
5	K_F.W05		x						
6	K_F.W06		x						
7	K_F.W07		x						
8	K_F.W11		x						
9	K_F.U01				x				
10	K_F.U02				x				
11	K_F.U03				x				
12	K_F.U04				x				
13	K_F.U05				x				
14	K_F.U06				x				
15	K_F.U07				x				
16	K_F.U08				x				
17	K_F.U09				x				
18	K_F.U10				x				
19	K_F.U11				x				
20	K_F.U12				x				
21	K_F.U13				x				
22	K_F.U15				x				
23	K_F.U18				x				
24	K_F.U20				x				
25	K_K01				x				
26	K_K02				x				
27	K_K03				x				
28	K_K04				x				
29	K_K05				x				
30	K_K08				x				
31	K_K09				x				

Module contents no.	Description of teaching programme	No. of hours	References to learning outcomes
Seminars			
TK 01	Etiology and etiopathogenesis of periodontal diseases Dental plaque over-and subgingival, direct and indirect effect, mechanisms of bacteria virulence, marker bacteria. Classification, signs, symptoms and differential diagnosis of gingival and periodontal diseases.	1	W02
TK 02	Non-surgical therapy of periodontal diseases Plaque and gingival indices (CPITN, API, SBI), instruction of oral hygiene. Hand instrumentation. Scaling technique for hand instrumentation. Ultrasonic and sonic scalers. Scaling technique for ultrasonic instrumentation. Splinting therapy.	1	W02, W03, W05, W06
TK 03	Surgical therapy of periodontal diseases Recommendations for selected treatments for periodontium: closed curettage, open curettage, flap surgery for epulis. Regenerative treatments for bone pockets (SRT, biomaterials). Treatment of root furcation (regenerative - SRT, resection - radectomy, hemisection), postoperative proceedings.	1	W02, W05, W06
TK 04	Occlusive disorders and rehabilitation of masticatory Prosthetic, implant and orthodontic treatment in periodontal diseases.	1	W01, W03, W05
TK 05	Periodontal maintenance therapy in complex therapy of periodontal diseases. Procedure for periimplantitis. Photo disinfection. Laser therapy.	1	W02, W03, W05, W06, W08
TK06	Herpesvirus infections: herpetic gingivitis and stomatitis, chickenpox, shingles, mononucleosis inflammatory, cytomegalovirus, herpangina disease, hands, feet and mouth disease, measles, mumps, measles. Diseases caused by papilloma virus (HPV).		W02, W03, W04, W05
TK07	Autoimmune diseases: pemphigus, pemphigoid, erythema exudative, systemic lupus erythematosus, scleroderma, Sjögren's syndrome.	1	W02, W03, W05, W08
TK08	Keratoses disorders: leukoplakia, lichen planus, white sponge nevus, hairy tongue, actinic cheilitis, geographic tongue.	1	W02, W03, W04, W05
TK09	Pre-cancerous conditions. Preventive oncology. Oral mucositis in the course of chemotherapy and radiotherapy. Graft versus host disease. Preparation of the dental patient for the treatment of cancer.	1	W02, W03, W07
TK10	Burning mouth syndrome. Principles of diagnosis and treatment. Differential diagnosis with oral candidosis, atrophic stomatitis, xerostomia, pain syndromes, denture and orthodontic stomatitis Electrogalvanic stomatitis.	1	W02, W03, W05, W08
Practical classes:			
TK01	Clinical exercises with patients	95	U01, U13, U15, U18, U20, K01, K07, U14, U16

Booklist

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

Student's workload (balance sheet of ECTS credits)			
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	105		
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			
Time spent on preparing to exam	15		
Other			
Student's workload in total	135		
ECTS credits for the subject (in total)	7		
Remarks			

* 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...