Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT)

valid from the academic year 2018/2019

General Information

Module title	Conservative dentistry with Endodontics
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 V, semester IX and X
ECTS credits (incl. semester breakdown)	10 (semester IX-4, semester X-6)
Type/s of training	seminars 15/ practical 75 - semester IX practical 70 – semester X
Form of assessment	exam
Head of the Department/ Clinic, Unit	Prof. dr hab. Jadwiga Buczkowska - Radlińska
Tutor responsible for the module	Dr n.med. Monika Szmidt
Department's/ Clinic's/ Unit's website	https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/katedra-i-zaklad-stomatologii-zachowawczej-i-endodoncji
Language	English

Detailed information

Module objectives		The aim of conservative dentistry with endodontics course is to expand theoretical knowledge and improvement and cosolidation of practical skills in the field of health promotion and prevention, diagnosis and treatment of diseases falling within the scope of dentistry as to prepare the student to pursue independently the profession of dentistry.
Prerequisite /essential requirements	Knowledge	Knowlege of anatomy, function of stomatogenic system Knowledge of organization of work of dental practice, instrumentarium Knowledge of rules of ergonomics of individual work and team work with an assistant Knowledge and ability to diagnose, prevent and treatment of dental caries and non-carious lesions. Knowledge of bases for desinfection,sterilization and aseptics Knowledge of etiology, daignostics and teratment of pulp and periodontium ligament desease Knowledge of specific regulations in treatment of geriatric patients. Knowledge of treatment in emergency dentistry (teeth fracture, acute dental situations)
	Skills	Work in dental practice knowing rules of of ergonomics and safety work regulations Prepare and fill carious and non-carious cavities in patients Flare and obturate root canals, treat periapical lesions Choose prepare and use correct denatl medicaments and materials
	Competences	Ability to selfeducation, to establish contact with patients

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 rules of prophylactic-therapeutic procedures in diseases of stomatognathic system in different phases of development	K_F.W03	PS- permanent assessment of student's ability to work and knowledge S- seminars EPR – practical exam ET- test exam
W02	knows symptoms, course and procedures for certain diseases of oral cavity , head and neck with regard to age groups	K_F.W05	
W03	knows principles of conduct of pulp diseases and mineralized tooth tissue and injury of tooth and facial skeleton	K_F.W07	
W04	knows principles of conduct of periapical diseases	K_F.W08	
W05	knows morphology of pulp cavity and rules of endodontic treatment and instruments	K_F.W09	
W06	knows causes and procedures for management with complications of stomatognathic system diseases	K_F.W14	PS- permanent assessment of student's ability to work and knowledge S- seminars EPR – practical exam ET- test exam
W07	Describes methods and rules of endodontic treatment in permanent teeth and endodontic instrumentarium	K_F.W17	
W08	knows therapy and methods of preventing and controlling pain, stress and anxiety	K_F.W19	

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	interprets results of ancillary tests	K_F U06	
U06	finds indications as to performance of certain dental procedure	K_F U07	
U07	knows prophylaxis of oral cavity diseases	K_F U08	
U08	knows procedures applicable to diseases of stomatognathic system tissues, tooth and jaw bones	K_F U09	
U09	treats acute and chronić tooth-related and non-tooth-related inflammation of oral cavity soft tissue, paradontium and jaw bones	K_F U10	
U10	knows procedures applicable to cases of general and local complications during and after dental treatment	K_F U11	
U11	keeps day-to-day patient's records,refers patient to general and special dental and medical examination or treatment	K_F U13	
U12	indetifies research issues connected with his/her work	K_F U14	
U13	Presents selected medical issues in written or oral form relevantly to recipient standards	K_F U15	
U14	explaines pathological changes in cells, tissues and organs according to basic mechanism	K_F U16	
U15	selects and performs certain teststo indentify numer of caries bacteria in oral cavity	K_F U17	
U16	establishes treatment in diseases of stomatognathic system tissues	K_F U18	
U17	uses certain drugs during and after dental procedurę to relieve pain and stress	K_F U19	
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 patient, social groups and cares for their goodwill and security	K_K05	
K04	understands need for keeping professional secrecy and showing respect to patient's 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 W03		x		x				
2.	K_F W05		x		x				
3.	K_F W07		x		x				
4.	K_F W08		x		x				
5.	K_F W09		x		x				
6.	K_F W14		x		x				
7.	K_F W17		x		x				
8.	K_F W19		x		x				
9.	K_F U01				x				
10.	K_F U02				x				
11.	K_F U03				x				
12.	K_F U04				x				
13.	K_F U06		x		x				
14.	K_F U07		x		x				
15.	K_F U08		x		x				
16.	K_F U09		x		x				
17.	K_F U10		x		x				
18.	K_F U11		x		x				
19.	K_F U13				x				
20.	K_F U14		x		x				
21.	K_F U15		x		x				
22.	K_F U16		x		x				
23.	K_F U17		x		x				
24.	K_F U18		x		x				
25.	K_F U19				x				
26.	K_K01				x				
27.	K_K02				x				
28.	K_K05				x				
29.	K_K09				x				

Module contents no.	Description of teaching programme	No. of hours	References to learning outcomes
	Seminars		
TK01	Classification, treatment and control of permanent teeth after trauma	3	W02, W03, U05, U06, U08, U10, U12, U13, U14, U16
TK02	Diagnose and treatment of permanent teeth resorption	3	W01, W02, W06, U05, U06, U08, U14, U16
TK03	Bleaching of vital and non –vital teeth	3	W02, W03, U05, U06, U08, U10, U12, U13, U14, U16
TK04	Surgical Endodontics	3	W01, W02, W06, U05, U06, U08, U14, U16
TK05	New methods of endodontic treatment	3	W01, W02, W06, U05, U06, U08, U10, U13, U14, U16
	Practical classes		
TK06	Practical use of acquired knowledge during practical classes with patients	145	W01, W02, W06, W07, W08, U01, U02, U03, U04, U05, U06, U08, U10, U13, U14, U16, U17, K01, K02, K03, K04

Booklist
Obligatory literature:
1. Clinical Endodontics: A Textbook / Leif Tronstad Thieme; 3 Revised edition (August 20, 2008)
2. Harty's Endodontics in Clinical Practice / Bun San Chong :Elsevier 2010
3. Sturdevant's art and science of operative dentistry /senior ed. Theodore M. Roberson; coeds. Harald O. Heymann, Edward J. Swift.Art and science of operative dentistry 6th ed.St. Louis Mosby Elsevier,2012
Supplementary literature:
1. Cohen's pathways of the pulp /ed. Kenneth M. Hargreaves, Stephen Cohen ; web ed. Louis H. Berman.Pathways of the pulp10th ed.St. Louis :Mosby Elsevier,cop. 2011

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	160		
Time spent on preparation to seminars/ practical classess			
Time spent on reading recommended literature			
Time spent on writing report/making project			
Time spent on preparing to colloqium/ entry test			
Time spent on preparing to exam			
Other …..			
Student's workload in total	10		
ECTS credits for the subject (in total)			
Remarks			

* Selected examples of methods of assessment:
EP – written examination
EU – oral examination
ET – test examination
EPR – practical examination
K – colloqium
R – report
S – practical skills assessment
RZĆ – 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…