



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT)

valid from the academic year 2018/2019

General Information

Module title	Preclinical Conservative Dentistry
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 2, semester IV
ECTS credits (incl. semester breakdown)	5
Type/s of training	seminars (8h)/ practical (52h)
Form of assessment	final examination: - test - practical
Head of the Department/ Clinic, Unit	Prof. dr hab. n. med. Mariusz Lipski
Tutor responsible for the module	Prof. dr hab. Mariusz Lipski Dr n. med. Ewa Marek Dr n. med. Katarzyna Kot fantom@pum.edu.pl Lek. stom. Maria Młyniec Lek. stom. Anna Gmerek
Department's/ Clinic's/ Unit's website	fantom@pum.edu.pl
Language	English

Detailed information

Module objectives		Goal of preclinical conservative dentistry is teaching students how to diagnose and treat dental caries and how to restore destroyed crown's tissues due to caries and other diseases
Prerequisite /essential requirements	Knowledge	The student knows and explains surface properties of tooth hard tissue and dental biomaterials
	Skills	Work in accordance with the principles of ergonomics
	Competences	Habit of self-education; co-operate with team members

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 and explains surface properties of tooth hard tissue and dental biomaterials	K_C.W26	Assessed on classes Test exam
W02	defines adhesion and mechanism of developing adhesive joint and procedures for adhesive preparation of enamel, dentine and dental biomaterials surfaces	K_C.W27	Assessed on classes Test exam
W03	knows basic clinical procedures for reconstruction of tooth hard tissue	K_C.W28	Assessed on classes Test exam
W04	knows indications and contraindications as to esthetic dentistry procedures	K_F.W13	Assessed on classes Test exam
W05	knows principles of conduct of pulp diseases and mineralized tooth tissue and injury of tooth	K_F.W07	Assessed on classes Test exam
U01	provides endodontic treatment and restores missing mineralized tissue of phantom tooth	K_C.U09	Assessed on classes
U02	applies adhesive techniques	K_C.U10	Assessed on classes
U03	selects reconstructive, prosthetic and binding materials according to properties of materials and clinical conditions	K_C.U11	Assessed on classes
U04	identifies research issues connected with his/her work	K_F.U14	Assessed on classes
K01	accepts need of standards of conduct and legislation regarding medical practice	K_K02	Assessed on classes
K02	understands sense of responsibility for entrusted property	K_K07	Assessed on classes
K03	shows habit of self-education and lifelong education	K_K01	Assessed on classes
K04	can co-operate with team members and care about occupational safety	K_K03	Assessed on classes

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_C.W26		X	X					
2.	K_C.W27		X	X					
3.	K_C.W28		X	X					
4.	K_F.W13		X	X					
5.	K_F.W07		X	X					
6.	K_C.U09		X	X					
7.	K_C.U10			X					
8.	K_C.U11			X					
9.	K_F.U14			X					
10.	K_K02			X					
11.	K_K07			X					
12.	K_K01			X					
13.	K_K03			X					

Module contents no.	Description of teaching programme	No. of hours	References to learning outcomes
	Seminars		
TK01	Etiology and etiopathology of dental caries. Classification of caries. Diagnosis of caries. Treatment of caries.	4	W05
TK02	Principles of cavity design and preparation. G.V. Black and Mount-Hume classification. C. incipiens, c. superficialis Practical: widened fissure sealing – molar tooth	4	W03,05 U01
	Practical		
TK03	Ist class G.V.Black –cavity design. Amalgam principles of use. Dental cements. Practical: preparation of caries media on occlusal surface. Base - Glass Ionomer, filling – Amalgam.	4	W03,05 U01,02,03 K01,02,03,04
TK04	IInd class G.V.Black – cavity design. Matrix systems. Development of technical and biomechanical regimen for treatment. Practical: carving and finishing amalgam from previous classes. Preparation of caries media on approximal surface of premolar tooth. Base- Glass Ionomer, filling – Amalgam.	4	W03,05 U01,02,03 K01,02,03,04
TK05	Vth class G.V.Black –cavity design. Development of technical and biomechanical regimen for treatment. Practical: carving and finishing amalgam from previous classes. Preparation of caries media on buccal surface of molar tooth. Base - Glass Ionomer, filling – Amalgam.	4	W03,05 U01,03 K01,02,03,04

TK06	IIIrd class G.V. Black-cavity design. Differences in cavity preparation for amalgam and composite. Basic knowledge in composite and bonding techniques. Basic knowledge in colour and shade analysis. Finishing of the composites. Practical: Carving and finishing amalgam from previous classes. Preparation of caries media on approximal surface in anterior teeth. Filling composite.	4	W03,04,05 U01,02,03 K01,02,03,04
TK07	IIIrd class G.V. Black-cavity design. Development of technical and biomechanical regimen for treatment. Practical: Preparation of caries media on labial surface of anterior tooth. Filling composite.	4	W03,04,05 U01,02,03 K01,02,03,04
TK08	Differences in cavity preparation for GIC and composite in V class G.V. Black. Glass Ionomer Cements. Development of technical and biomechanical regimen for treatment. Practical: Preparation of caries media on buccal surface of premolar tooth. Filling- Glass Ionomer and composite.	4	W01,02,03,04 U01,02,03 K01,02,03,04
TK09	IVth class G.V. Black-cavity design. Enamel preparation for aesthetic restorations. Practical: Preparation of caries media on approximal surface of anterior tooth. Filling composite.	4	W01,02,03,04 U01,02,03 K01,02,03,04
TK10	Vital pulp therapy. Deep caries. Indirect pulp capping – indications contraindications, treatment technique, materials. Practical: Preparation of deep caries on approximal surface of premolar tooth. Indirect pulp capping, filling composite.	4	W01,03,04,05 U01,02,03,04 K01,02,03,04
TK11	Vital pulp therapy. Deep caries. Direct pulp capping – indications contraindications, treatment technique, materials. Practical: Preparation of deep caries on approximal surface of molar tooth. Direct pulp capping, filling composite.	4	W01,04,05 U01,02,03,04 K01,02,03,04
TK12	Differences in the construction of deciduous and permanent teeth. Caries of primary teeth - causes, course, types. Treatment of dental caries in the primary teeth and the permanent immature teeth. Restorative treatment primary teeth and permanent teeth immature. Development of technical and biomechanical regimen for treatment. Practical: Preparation of caries media cavity on approximal surface of first primary molar. Filling- compomer.	4	W01,03,04 U01,02,03,04 K01,02,03,04
TK13	Restorative treatment primary teeth and permanent teeth immature. Development of technical and biomechanical regimen for treatment. Practical: Preparation of deep caries cavity with on occlusal surface of second primary molar. Formocresole amputation. Base- GIC. Filling- compomer.	4	W01,02,03,04,05 U01,02,03,04 K01,02,03,04
TK14	Development of technical and biomechanical regimen for treatment: preparation and filling MOD cavity. Practical: Preparation of caries media on both proximal and occlusal surfaces. Base –GIC, filling composite.	4	W01,03,04 U01,02,03,04 K01,02,03,04
TK15	Summary. Practical exam.	4	W01,02,03,04,05 U01,02,03,04 K01,02,03,04

Booklist			
Obligatory literature:			
1. Garg N., Garg A.: Textbook of operative dentistry			
2. Kidd E. A.M.: Pickard's Manual Of Operative Dentistry			
Supplementary literature:			
1. Roberson T.M.: Art & Science of operative dentistry			
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	60		
Time spent on preparation to seminars/ practical classess	15		
Time spent on reading recommended literature	15		
Time spent on writing report/making project	0		
Time spent on preparing to colloquium/ entry test	10		
Time spent on preparing to exam	50		
Other			
Student's workload in total	190		
ECTS credits for the subject (in total)	5		
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...