



# Pomeranian Medical University in Szczecin

## SYLLABUS of the MODULE (SUBJECT)

### 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 III, semester V and VI
ECTS credits (incl. semester breakdown)	6 (semester V-3, semester VI -3)
Type/s of training	<p>V semester: lectures 10h seminars 6h practical 39h</p> <p>VI semester: lectures 10h seminars 3h practical 42h</p>
Form of assessment	graded assessment
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	<a href="https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/katedra-i-zaklad-stomatologii-zachowawczej-i-endodoncji">https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/katedra-i-zaklad-stomatologii-zachowawczej-i-endodoncji</a>
Language	English

**Detailed information**

<b>Module objectives</b>		<p>The aim of conservative dentistry with endodontics course is to prepare competent dentist for treating adult person.</p> <p>Special emphasis is placed on the graduate to have skills for clinical thinking, examination of the patient, diagnostic procedures and differential diagnosis.</p> <p>Acquired knowledge about the subject of correct anatomy, function, etiology, pathology and symptoms of stomatognathic system disease and learning new diagnostic tools, methods of treatment, will enable the graduate effective therapeutic procedures in particular diseases of oral mouth, head and neck in adults.</p> <p>Expand theoretical knowledge and improvement and consolidation 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.</p> <p>Graduate assimilates knowledge of connection between general medicine and dentistry, influence general disorders and treatment on dentistry treatment and obtain skills of diagnosis general diseases on the basis of symptoms detect in oral mouth.</p> <p>Perform necessary dental treatment before operation, chemotherapy and radiotherapy.</p>
Prerequisite /essential requirements	Knowledge	<p>Knowledge of anatomy, function of stomatognathic system</p> <p>Knowledge of organization of work of dental practice, instrumentarium</p> <p>Knowledge of rules of ergonomics of individual work and team work with an assistant</p> <p>Knowledge and ability to diagnose, prevent and treatment of dental caries and non-carious lesions.</p> <p>Knowledge of bases for disinfection, sterilization and aseptic</p> <p>Knowledge of etiology, diagnostics and treatment of pulp and periodontium ligament disease.</p> <p>Knowledge of the composition, construction, way binding, properties, purpose and use of dental materials.</p>
	Skills	<p>Work in dental practice knowing rules of ergonomics and safety work regulations</p> <p>Prepare and fill carious and non-carious cavities in patients</p> <p>Choose prepare and use correct dental medicaments and materials</p>
	Competences	<p>Ability to self-education, to establish contact with patients</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) ZEK	Method of verification of learning outcomes *
W01	knows principles of conduct of pulp diseases and mineralized tooth tissue and injury of tooth and facial skeleton	K_F.W07	Permanent assessment of student's ability to work and knowledge Oral seminars Semester test - after VI semester – 30 questions
W02	knows principles of conduct of periapical diseases	K_F.W08	
W03	knows morphology of pulp cavity and rules of endodontic treatment and instruments	K_F.W09	
W04	knows causes and procedures for management with complications of stomatognathic system diseases	K_F.W14	
W05	knows rules of anesthesia in dental procedures and basic pharmacological agents	K_F.W19	
U01	interviews patient or his/her family	K_F.U01	
U02	carries out physical examination of patient	K_F.U02	Permanent assessment of student's ability to work and knowledge Oral seminars Semester test - after VI semester – 30 questions
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	knows procedures applicable to cases of general and local complications during and after dental treatment	K_F.U11	
U10	keeps day-to-day patient's records, refers patient to general and special dental and medical examination or treatment	K_F.U13	
U11	presents selected medical issues in written or oral form relevantly to recipient standards	K_F.U15	Permanent assessment of student's ability to
U12	explains pathological changes in cells, tissues and organs according to basic mechanisms	K_F.U16	

U13	selects and performs certain tests to identify number of caries bacteria in oral cavity	K_F.U17	work and knowledge Oral seminars Semester test - after VI semester – 30 questions
U14	establishes treatment in diseases of stomatognathic system tissues	K_F.U18	
U15	uses certain drugs during and after dental procedure 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 patients' rights	K_K09	

No.	SYMBOL (referring the standards) ZEK	Type/s of training							
		Lecture	Seminar	Practical classes		...	...	...	Other...
1.	K_F.W07	X	X		X				
2.	K_F.W08	X							
3.	K_F.W09	X							
4.	K_F.W14		X						
5.	K_F.W19	X			X				
6.	K_F.U01	X	X		X				
7.	K_F.U02	X	X		X				
8.	K_F.U03	X	X		X				
9.	K_F.U04	X	X		X				
10.	K_F.U06	X	X		X				
11.	K_F.U07	X	X		X				
12.	K_F.U08		X						
13.	K_F.U09		X						
14.	K_F.U11	X	X		X				
15.	K_F.U13	X	X		X				
16.	K_F.U15				X				
17.	K_F.U16		X		X				
18.	K_F.U17	X	X		X				
19.	K_F.U18	X	X		X				
20.	K_F.U19				X				
21.	K_K01				X				
22.	K_K02				X				
23.	K_K05				X				
24.	K_K09				X				

Module (subject) contents no.	Description of teaching programme	No. of hours	References to learning outcomes
TK 01	Examination of patient. Registration of medical of medical history questionnaire and odontogram. Medical record. Etiopathology and diagnostics of caries disease. Dental planning treatment with construction of prophylaxis and treatment plan. Non – caries lesion, etiology, diagnostics and treatment. New techniques of preparation and filling cavities. Modern adhesive treatment cavities technique	10	W01 U01, U02, U03, U04, U05, U06, U10, U12, U13, U14
TK 02	Biological treatment. Pain and connection with dental diagnosis Etiopathology, diagnostic and treatment in pulp space disease Etiopathology, diagnosis and treatment of periapical tissue inflammation Intracanal medicaments in RCT Working length determination during RCT Materials used to fill root canals Methods of root canal preparation and obturation Pain control and anesthesia in RCT	10	W01, W02, W03, W05 U03, U04, U05, U06, U12, U14, U15
	Seminars		
TK 03	Importance of medical examination and questionnaire. Registration of medical history. Rules of gathering, storage and sharing of medical patient record. Dental Indexes. Dental caries definition. Etiology of dental caries. Polysaccharides and bacterial aspect in dental caries disease. Influence of structure of hard dental tissue on dental caries. Dental plaque. Saliva and caries. Reduced salivary flow Caries risk assessment.	3	W01 U01, U02, U03, U04, U05, U10, U12, U13
TK 04	Microscopic view of Caries in enamel, dentine and cementum Classification and division of dental caries. Acute caries, chronic caries. Clinical view of primary caries, secondary caries, hidden caries, incipiens caries, superficialis, media, profunda. Clinical aspect, diagnosis and treatment of caries incipiens according to caries risk assessment. Clinical aspect, diagnosis and treatment of caries superficialis according to caries risk assessment. Clinical aspect, diagnosis and treatment of caries media according to caries risk assessment Indications to use of base materials. Secondary caries. Indications to filling restoration.	3	W01 U05, U06, U09, U12, U14

	Differences in dental cavity preparation under adhesive and non- adhesive filling. Therapeutic recommendations in patients with low, medium, high caries risk.		
TK 05	Tooth wear- dental erosion, attrition, abrasion, abfraction Clinical aspect, diagnosis and treatment of recurrent caries. Clinical aspect, diagnosis and treatment of deep caries according to caries risk assessment Direct pulp capping, materials. Indirect pulp capping. Prophylaxis of pulp inflammation according to deep caries treatment.	3	W01, W04 U06, U07, U08, U09, U14
	Clinical Classes		
TK 06	Practical use of acquired knowledge of diagnosis and treatment of mineralized tissue during practical classes with patients	81	U01, U02, U03, U04, U05, U06, U09, U10, U11, U13, U14, U15 K01, K02, K03, K04

### Booklist

#### Obligatory literature:

1. Pickard's manual of operative dentistry /Edwina A. M. Kidd, Bernard G. N. Smith, Timothy F. Watson. 9th ed. Oxford Oxford Univ. Press, cop. 2011. ISBN 978019957915
2. Essentials of dental caries: The disease and its management Edwina Kidd. 3rd ed. Oxford; New York: Oxford University Press 2005. ISBN 9780198529781

#### Supplementary literature:

1. Dental Caries: The Disease and Its Clinical Management Edwina Kidd, Ole Fejerskov: Blackwell 2008
2. Sturdevant's art and science of operative dentistry /senior ed. Theodore M. Roberson; co-eds. Harald O. Heymann, Edward J. Swift. Art and science of operative dentistry 6th ed. St. Louis Mosby Elsevier, cop. 2012. ISBN 9780323083331

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	110		
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 colloquium/ entry test			
Time spent on preparing to exam			
Other .....			
Student's workload in total			
ECTS credits for the subject (in total)	6		
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...