



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT) General Information

Module title: Conservative Dentistry with Endodontics	
Module type	Obligatory
Faculty PMU	Faculty of Medicine and Dentistry
Major	Dentistry
Level of study	long-cycle (S2J)
Mode of study	full-time studies
Year of studies, semester	Year III, semester V, VI
ECTS credits (incl. semester breakdown)	7 (semester V- 3, semester VI-4)
Type/s of training	lectures (20h), classes (60h), seminars (18h) V semester: l:10h, cl: 30h, sem: 9h VI semester: l:10h, cl: 30h, sem: 9h
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input checked="" type="checkbox"/> practical <input checked="" type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <input type="checkbox"/> final examination <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral
Head of the Department/ Clinic, Unit	dr hab. n. med. Ryta Łagocka
Tutor responsible for the module	dr n. med. Monika Szmidt-Kądys
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Strona internetowa jednostki: https://www.pum.edu.pl/studenci/informacje_z_jednostek/ws/katedra_i_zaklad_stomatologii_zachowawczej_i_endodoncji/	
Language	English

* replace into where applicable

Detailed information

Module objectives	<p>The aim of conservative dentistry with endodontics course is to prepare competent dentist for treating adult patients.</p> <p>Special emphasis is placed on the graduate to gain skills in a field of clinical thinking, examination of the patient, diagnostic procedures and differential diagnosis.</p> <p>During the course of study, student will acquire knowledge about the subject of the correct anatomy, function, etiology, pathology and symptoms of stomatognathic system diseases as well as new diagnostic tools and methods of treatment, that will enable the graduate to perform effective therapeutic procedures in particular diseases of oral mouth, head and neck in adults.</p> <p>To expand theoretical knowledge and improve and consolidate the 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 the connections between general medicine and dentistry, the influence of general diseases and their treatment on dental procedures and obtains the ability to diagnose general diseases on the basis of symptoms detected in the oral cavity.</p> <p>Graduate should be able to perform necessary dental treatment before surgical procedures, chemotherapy and radiotherapy.</p>	
Prerequisite /essential requirements	Knowledge	<p>Knowledge of anatomy and function of stomatognathic system. Knowledge of organization of work of dental practice, instrumentarium. Knowledge of the work environment, dental instruments and dental practice organization. Knowledge of the rules of ergonomics and work safety. Knowledge and ability to diagnose, prevent and treat dental caries and non-carious lesions.</p> <p>Knowledge of bases for disinfection, sterilization and aseptic work. Knowledge of etiology, diagnostics and treatment of pulp and periodontium ligament diseases.</p> <p>Knowledge of the composition, construction, 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)	Method of verification of learning outcomes*
W01	knows and understands principles of management in the case of pulp diseases and mineralized dental tissues as well as teeth and facial bones trauma	F.W5.	TS,W,S
W02	knows and understands causes of complications of stomatognathic system diseases and the rules of their management	F.W12.	TS,W,S
U01	is able to interview patient or his/her family	F.U1.	TS,W,S
U02	is able to carry out dental examination of patient	F.U2.	TS,W,S
U03	is able to provide patient with explanation about nature of ailment, establish treatment confirmed by informed consent of the patient as well as establish prognosis	F.U3.	S
U04	is able to provide patient or his/her family with the information about unfavorable prognosis	F.U4.	S
U05	is able to sample and protect material for diagnostic tests, including cytology	F.U5.	TS,W,S
U06	is able to interpret results of auxiliary diagnostics and consultations	F.U6.	TS,W,S
U07	is able to determine indications and contraindications to a specified dental procedure	F.U7.	TS,W,S
U08	is able to manage general and local complications during and after dental procedures	F.U9.	TS,W,S
U09	is able to keep current patient records, refer patient to general and specialist dental and medical examination or treatment	F.U11.	S
U10	is able to present selected medical problems in oral or written form relevantly to recipient standards	F.U13.	S
U11	is able to assess risk of caries applying microbiological and salivary tests	F.U14.	TS,W,S
U12	is able to establish treatment for stomatognathic system tissues diseases	F.U15.	TS,W,S
K01	is ready to establish and maintain deep and respectful contact with the patient as well as to show understanding for ideological and cultural differences	K.1.	S
K02	is ready to be guided by the patient wellbeing	K.2.	S
K03	is ready to respect physician-patient privilege and patient's rights	K.3.	S

K04	is ready to take activities towards patient on the basis of ethical principles with awareness of social conditions and disease restrictions	K.4.	S
K05	is ready to propagate health-promoting behavior	K.6.	S
K06	is ready to implement the principles of professional fellowship and cooperation in a team of specialists, including representatives of other medical professions, also in a multicultural and multinational environment	K.9.	S

Table presenting LEARNING OUTCOMES in relation to the form of classes

No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical	Clinical classes	Simulations	E-learning	Other...
1	F.W5.	X	X		X			
2	F.W12	X	X		X			
3	F.U1		X		X			
4	F.U2		X		X			
5	F.U3		X		X			
6	F.U4		X		X			
7	F.U5	X	X		X			
8	F.U6	X	X		X			
9	F.U7	X	X		X			
10	F.U9	X			X			
11	F.U11	X			X			
12	F.U13		X		X			
13	F.U14	X	X		X			
14	F.U15	X	X		X			
15	K1				X			
16	K2				X			
17	K3				X			
18	K4				X			
19	K6				X			
20	K9				X			

Table presenting TEACHING PROGRAMME			
No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
Winter semester			
Lectures			
TK 01	Organization and work in modern dental practice according to ergonomics.	1	
TK 02	Dental pulp status examination methods. Epidemiologic indices- caries indices and oral hygiene indices – interpretation.	1	
TK 03	Patient examination	1	
TK04	Etiology of dental caries.	1	
TK05	Modern concept of caries treatment and prevention – assessment and prognosis of caries lesion risk development.	1	
TK06	Dental caries treatment with use of non-operative and operative treatment methods.	1	
TK07	Enamel and dentin adhesion. Bonding agents.	1	
TK08	Preparation of mineralized tissue to composite filling.	1	
TK09	The use of composite materials for direct reconstruction in the anterior and posterior parts of the dentition.	1	
TK10	Etiology, diagnosis and treatment of secondary caries. Secondary caries.	1	
Seminars			
TK01	Patient examination. Preventive and treatment plan. Extraoral and intraoral examination. Dental and general medical interview. Student must present his own patient's plan.	3	U2, U9
TK02	Etiology and caries prevention in adults. Prognosis and determination of caries risk in adults. Caries detection.	3	U1, U2, U6, U12
TK03	Minimally invasive dentistry. The use of bonding systems and composite materials in the treatment of caries depending on the clinical situation	3	U1,U2,U6
Practical classes			
TK01	Practical use of acquired knowledge of diagnosis and treatment of mineralized tissue during practical classes with patients	30	W1, W2, U1-U12, K1- K6
Summer semester			
Seminars			
TK01	Diagnostics, treatment and prevention of cervical lesion. Diagnostics and treatment of root caries. GIC	3	W1, U7, U12

TK02	Deep caries – diagnostic, treatment methods. Role of dentin and lining material.	3	W1, U7, U12
TK03	Principles of frontal teeth composite reconstruction.	3	W1, U3, U6, U12
Practical classes			
TK01	Practical use of acquired knowledge of diagnosis and treatment of mineralized tissue during practical classes with patients	30	W1, W2, U1-U12, K1- K6
Lectures			
TK01	Dentine hypersensitivity (sensitivity). Etiology, diagnosis, treatment and treatment effectiveness.	1	W1, U7, U12
TK02	Non-caries lesion- erosion	1	W1, U7, U12
TK03	Non caries lesion – abrasion, attrition.	1	W1, U7, U12
TK04	Communication with patient in dental office on the basis of hygienic procedures	1	W1, U3, U7, U12
TK05	Diagnostic and treatment of root caries	1	W1, U3, U7, U12
TK06	Reconstruction of II Black's classification cavities.	1	W1, U7, U12
TK07	Secondary caries.	1	W1, U7
TK08	Repair of composite filling.	1	W1, U7, U12
TK09	Iatrogenic in dentistry	1	W2, W1, U12
TK10	Modern adhesive materials.	1	W1, U12

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

Standards of procedures required to obtain credit:

Minimum of 6 fillings fully performed by the student

Student's workload	
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
	Tutor
Contact hours with the tutor	98
Time spent on preparation to seminars/ practical classess	20
Time spent on reading recommended literature	20
Time spent on writing report/making project	
Time spent on preparing to colloquium/ entry test	50
Time spent on preparing to exam	
Other	
Student's workload in total	188
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...