



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT) General Information

Module title: Paedodontics and Dental Prophylaxis	
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 V, semester IX, X
ECTS credits (incl. semester breakdown)	7 (semester IX-3, semester X-4)
Type/s of training	seminars - 15h, practical – 85h
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <input checked="" type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input checked="" type="checkbox"/> practical <input type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <input checked="" type="checkbox"/> final examination <input type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input checked="" type="checkbox"/> practical <input checked="" type="checkbox"/> oral
Head of the Department/ Clinic, Unit	Dr n.med.Joanna Manowiec
Tutor responsible for the module	Lek. Dent. Aleksandra Wdowiak-Szymanik tel. +48 91 466 1730, e-mail: zstdz@pum.edu.pl
Department's/ Clinic's/ Unit's website	INDEPENDENT LABORATORY OF PEADIATRIC DENTISTRY https://www.pum.edu.pl/wydzialy/wydzial-medycyny-i-stomatologii/samodzielna-pracownia-stomatologii-dzieciecej
Language	English

* replace into where applicable

Detailed information

Module objectives		Expanding theoretical knowledge, consolidating and acquiring new practical skills in the field of health promotion, prevention, diagnosis and treatment of masticatory diseases in developmental age.
Prerequisite /essential requirements	Knowledge	Knowledge and skills at the IV year of study in the field of dentistry.
	Skills	
	Competences	

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 occlusion and understand norms at various stages of individual development and deviations from norms.	F.W1.	K, ET, EU
W02	Knows the and understand rules of prophylactic-therapeutic procedures in diseases of the stomatognathic system of patients in the developmental age.	F.W2.	K, ET, EU
W03	Knows the viral, bacterial and fungal flora of the oral cavity and its meaning.	F.W3.	K, ET, EU
W04	Knows and understand the symptoms for certain diseases of oral cavity, head and neck with regard to the age groups.	F.W4.	K, ET, EU
W05	Knows course and indicates treatment procedures for certain diseases of oral cavity, head and neck with regard to age groups.	F.W4.	K, ET, EU
W06	Knows and lists the principles of treatment of the pulp diseases in children and adolescents.	F.W5.	K, ET, EU
W07	Knows the principles of the treatment of diseases of the mineralized tissues in children and adolescents.	F.W5.	K, ET, EU
W08	Knows the treatment protocols in case of injuries of teeth and facial bones of children and adolescents.	F.W5.	K, ET, EU
W09	Knows the principles of treatment of the diseases of periapical periodontium in children and adolescents.	F.W6.	K, ET, EU
W10	Knows the diagnostics and methods of treatment of periodontitis and diseases of the oral mucosa in children and adolescents.	F.W9.	K, ET

W11	Knows causes and procedures for management in case of complications of stomatognathic system diseases.	F.W12.	K, ET, EU
W12	Knows therapeutic methods of preventing and controlling pain, stress and anxiety.	F.W15.	K, ET, EU
U01	Interviews patient in developmental age and his/her parents/ caregivers.	F.U1.	PS
U02	Carries out physical examination of patient in developmental age.	F.U2.	PS
U03	Provides patient and parents/caregivers with explanation about ailment and their nature.	F.03.	PS
U04	Selects the treatment, presents it to the patient and his parents / caregivers, justifies the choice and obtains the informed consent of the caregivers / parents for the proposed treatment.	F.U3.	PS
U05	Provides patient or his/her relatives with bad information about health state.	F.U4.	PS
U06	Interprets results of ancillary tests of patients in developmental age.	F.U6	PS
U07	Finds indications and contraindications to perform a certain dental procedure in patients in developmental age.	F.U7.	PS
U08	Provides treatment of acute and chronic tooth-related and non-tooth-related inflammatory processes of the oral soft tissues, periodontal tissues and jaw bones.	F.U8.	PS
U09	Choose and provides treatment procedures applicable to cases of general and local complications during and after dental treatment.	F.U9.	PS, EU
U10	Keeps day-to-day patient's records. Refers patient to special dental and medical treatment and prescribes ancillary tests.	F.U11.	PS
U11	Is able to assess the risk of caries using bacteriological tests and saliva test	F.U14.	PS, EU
U12	Indicates and determines treatment in diseases of stomatognathic system.	F.U15.	PS, EU
U13	Uses the certain drugs during and after dental procedure to relieve pain and stress.	F.U16.	PS, EU
U14	Diagnoses and treats the basic extent of periodontal disease in children.	F.U17.	PS, EU
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	O
K02	Is ready to be guided by the patient wellbeing	K.2.	O

K03	Is ready to keep the secret medicine and patient rights	K.3.	O
K04	Is ready to take activities towards patient on the basis of ethical principles with awareness of social conditions and disease restrictions	K.4.	O
K05	Is ready to notice and recognize own limitations, make self-assessment of educational deficits and needs	K.5.	O
K06	Is ready to propagate health-promoting behavior	K.6.	O

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...
W01	F.W1.		X					
W02	F.W2.		X					
W03	F.W3.		X					
W04	F.W4.		X					
W05	F.W4.		X					
W06	F.W5.		X					
W07	F.W5.		X					
W08	F.W5.		X					
W09	F.W6.		X					
W10	F.W9.		X					
W11	F.W12.		X					
W12	F.W15.		X					
U01	F.U1.				X			
U02	F.U2.				X			
U03	F.U3.				X			
U04	F.U3.				X			
U05	F.U4.				X			
U06	F.U6.				X			
U07	F.U7.				X			
U08	F.U8.				X			
U09	F.U9.				X			
U10	F.U11.				X			
U11	F.U14.				X			
U12	F.U15.				X			
U13	F.U16.				X			
U14	F.U17.				X			

K01	K.1.				X			
K02	K.2.				X			
K03	K.3.				X			
K04	K.4				X			
K05	K.5				X			
K06	K.6				X			

Table presenting TEACHING PROGRAMME

No. of a teaching programme	Description of teaching programme	No. of hours	References to learning outcomes
	WINTER SEMESTER:		
	Seminars:		
TK01	Treatment of pulp disease in children teeth	3	W02, W03, W06, W09, W11, W12
TK02	Injuries to milk teeth and permanent teeth	3	W02, W08, W11, W12
TK03	Diseases of hard teeth tissues caries origin (caries, fluoride prophylaxis) and non-caries origin (causes, hypoplasia and hypomineralization of enamel - MIH fluorosis, developmental and acquired discoloration, abnormalities caused by genetic factors).	3	W02, W03, W04, W07, W11, W12
TK04	Dental anomalies and lesions in the oral cavity in medically compromised children. Developmental disorders in the number and structure of teeth. genetic syndromes. Oral cancer and cancer-like changes in children.	3	W01, W03, W04, W05,
TK05	Periodontal and oral mucosa diseases in children and adolescents	3	W03, W10
	Practical classes:		
TK01	Treatment of patients. Examination of the child, assessment of hygiene indices, oral hygiene teaching, fluoride prophylaxis, preventive-treatment plan, caries risk assessment, prophylactic fissure sealing. Treatment of caries: filling the cavities. Shaping the child's dental attitude. Treatment of children's pulp diseases. First aid after injury, trauma management. Treatment of periodontal diseases and mucous membranes in the basic stage.	45	U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, U14, K01, K02, K03, K04, K05, K06
	SUMMER SEMESTER		

	Practical classes:		
TK01	Treatment of patients. Interview. Examination of the child, assessment of hygiene indicators, oral hygiene teaching, fluoride prophylaxis treatments, preventive and therapeutic plan, caries risk assessment, preventive furrow sealing. Caries treatment: cavity preparation and filling. Shaping the child's dental attitude. Treatment of pulp diseases of children's teeth. First aid after injury, injury treatment. Basic treatment of periodontal and mucous membrane diseases.	40	U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, U14, K01, K02, K03, K04, K05, K06

Booklist
Obligatory literature:
1. Cameron A.C., Widmer R.P.: Handbook of pediatric dentistry. Edinburgh: Mosby; 2012.
2. Koch G., Poulsen S.: Pediatric dentistry – a clinical approach. Copenhagen: Blackwell Munksgaard; 2008.
3. http://www.dentaltraumaguide.org/
Supplementary literature:
1. Cohen S., Hargreaves K.M.: Pathways of the pulp. St. Louis: Mosby Elsevier, 2006 (<i>chapter 8 and 22</i>)
2. Welbury R.R., Duggal M.S., Hosey M.-T.: Pediatric dentistry. Oxford: Oxford University Press; 2012.

Standards of procedures required to obtain credit:			
1	Patient examination with dental diagram and calculate DMFT/dmft		1 pkt
2	Oral hygiene indices:	OHI	2 pkt
		API	1 pkt
		PL.I	1pkt
3	Oral hygiene instruction with toothbrushing instruction		1 pkt
4	Caries preventive and treatment plan with caries risk assessment		2 pkt
5	Professional teeth cleaning		1 pkt
6	Topical fluoride application		2 pkt
7	Temporary filling		1 pkt
8	Fissure sealants:	In the molars	2 pkt
		In the premolars	1 pkt
9	Permanent restorations:	PRR I	2 pkt
		One-surface filling	2 pkt

		Two-surface filling	3 pkt	
		Multi-surface filling	4 pkt	
		Deep caries treatment (Additional points are added to the final filling or in two-stage biological treatment when the final filling is postponed).	2 pkt	
10	Pulp treatment:	Mortal amputation in milk tooth	3 pkt	
		Vital amputation in milk tooth	3 pkt.	
		Endodontic treatment in one-root canal permanent tooth	4 pkt	
For performing the dental procedures from point 8, 9 and 10, student should get 35 points.				
During the whole year a student must obtain 78 points for performing dental procedures and in winter semester - 39 points.				

Table presenting TEACHING PROGRAMME	
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	100
Time spent on preparation to seminars/ practical classess	30
Time spent on reading recommended literature	5
Time spent on writing report/making project	
Time spent on preparing to colloquium/ entry test	10
Time spent on preparing to exam	65
Other	
Student's workload in total	210
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...