



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 - 11h, practical – 90h
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 type="checkbox"/> practical <input checked="" type="checkbox"/> oral
Head of the Department/ Clinic, Unit	Dr n.med. Joanna Manowiec
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Department's/ Clinic's/ Unit's website	INDEPENDENT LABORATORY OF PEADIATRIC DENTISTRY https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/zaklad-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 norms at various stages of individual development and deviations from norms.	K_F.W01	K, ET, EU
W02	Knows the rules of prophylactic-therapeutic procedures in diseases of the stomatognathic system of patients in the developmental age.	K_F.W03	K, ET, EU
W03	Knows the viral, bacterial and fungal flora of the oral cavity and its meaning.	K_F.W04	K, ET, EU
W04	Knows the symptoms for certain diseases of oral cavity, head and neck with regard to the age groups.	K_F.W05	K, ET, EU
W05	Knows course and indicates treatment procedures for certain diseases of oral cavity, head and neck with regard to age groups.	K_F.W05	K, ET, EU
W06	Knows and lists the principles of treatment of the pulp diseases in children and adolescents.	K_F.W07	K, ET, EU
W07	Knows the principles of the treatment of diseases of the mineralized tissues in children and adolescents.	K_F.W07	K, ET, EU
W08	Knows the treatment protocols in case of injuries of teeth and facial bones of children and adolescents.	K_F.W07	K, ET, EU
W09	Knows the principles of treatment of the diseases of periapical periodontium in children and adolescents.	K_F.W08	K, ET, EU
W10	Knows the diagnostics and methods of treatment of periodontitis and diseases of the oral mucosa in children and adolescents.	K_F.W011	K, ET, EU
W11	Knows causes and procedures for management in case of complications of stomatognathic system diseases.	K_F.W14	K, ET, EU

W12	Knows therapeutic methods of preventing and controlling pain, stress and anxiety.	K_F.W17	K, ET, EU
U01	Interviews patient in developmental age and his/her parents/ caregivers.	K_F.U01	PS
U02	Carries out physical examination of patient in developmental age.	K_F.U02	PS
U03	Provides patient and parents/caregivers with explanation about ailment and their nature.	K_F.U03	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.	K_F.U03	PS
U05	Informs the patient and his/ her parents/ caregivers about the prognosis.	K_F.U03	PS
U06	Provides patient or his/her relatives with bad information about health state.	K_F.U04	PS
U07	Interprets results of ancillary tests of patients in developmental age.	K_F.U06	PS
U08	Finds indications to perform a certain dental procedure in patients in developmental age.	K_F.U07	PS
U09	Prevents the oral cavity diseases of patients in developmental age.	K_F.U08	PS, EU
U10	Identifies diseases of the stomatognathic system, traumatic injuries of the teeth and jaw bones of patients in developmental age.	K_F.U09	PS
U11	Provides treatment procedures applicable to diseases of the tissues of stomatognathic system, traumatic injuries of the teeth and jaw bones, basing on the treatment protocols for children and adolescence.	K_F.U09	PS, EU
U12	Provides treatment of acute and chronic tooth-related and non-tooth-related inflammatory processes of the oral soft tissues, periodontal tissues and jaw bones.	K_F.U10	PS, EU
U13	Choose and provides treatment procedures applicable to cases of general and local complications during and after dental treatment.	K_F.U11	PS, EU
U14	Keeps day-to-day patient's records. Refers patient to special dental and medical treatment and prescribes ancillary tests.	K_F.U13	PS
U15	Defines and describes research problems, analyzes data and critically evaluates the journalism.	K_F.U14	PS

U16	Delivers selected medical problems in oral or written form and adapts them to the level of recipients.	K_F.U15	S
U17	Selects and performs tests determining the number of cariogenic bacteria in the oral cavity.	K_F.U17	S
U18	Indicates and determines treatment in diseases of stomatognathic system.	K_F.U18	PS, EU
U19	Uses the certain drugs during and after dental procedure to relieve pain and stress.	K_F.U19	PS, EU
U20	Diagnoses and treats the basic extent of periodontal disease in children.	K_F.U20	PS, EU
K01	Accepts the need of ethical standards in medical practice.	K_K02	O
K02	Understands the sense of responsibility for entrusted property.	K_K07	O
K03	Shows the habit of self-education and lifelong education.	K_K01	O
K04	Shows respect to a patient and understands the specificity of working with the children.	K_K05	O
K05	Understands proper examiner – examined relationship.	K_K08	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	K_F.W01		X					
W02	K_F.W03		X					
W03	K_F.W04		X					
W04	K_F.W05		X					
W05	K_F.W05		X					
W06	K_F.W07		X					
W07	K_F.W07		X					
W08	K_F.W07		X					
W09	K_F.W08		X					
W10	K_F.W11		X					
W11	K_F.W14		X					
W12	K_F.W15		X					
U01	K_F.U01				X			
U02	K_F.U02				X			
U03	K_F.U03				X			

U04	K_F.U03				X			
U05	K_F.U03				X			
U06	K_F.U04				X			
U07	K_F.U06				X			
U08	K_F.U07				X			
U09	K_F.U08				X			
U10	K_F.U09				X			
U11	K_F.U09				X			
U12	K_F.U10				X			
U13	K_F.U11				X			
U14	K_F.U13				X			
U15	K_F.U14				X			
U16	K_F.U15				X			
U17	K_F.U17				X			
U18	K_F.U18				X			
U19	K_F.U19				X			
U20	K_F.U20				X			
K01	K_K02				X			
K02	K_K07				X			
K03	K_K01				X			
K04	K_K05				X			
K05	K_K08				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	2	W02, W03, W06, W09, W11, W12
TK02	Injuries to milk teeth and permanent teeth	2	W02, W08, W11, W12
TK03	Diseases of hard teeth tissues caries origin (fluoride prophylaxis) and non-carious origin (causes, hypoplasia and hypomineralization of enamel - MIH fluorosis, developmental and acquired discoloration, abnormalities caused by genetic factors).	2	W02, W03, W07, W11, W12
TK04	Dental anomalies and lesions in the oral cavity in medically compromised children.	2	W01, W03, W04, W05, W07

TK05	Developmental disorders of teeth number and structure. Genetic syndromes.	3	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, U15, U16, U17, U18, U19, U20 K01, K02, K03, K04, K05
	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.	45	U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19, U20 K01, K02, K03, K04, K05

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.

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	101
Time spent on preparation to seminars/ practical classes	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	215
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...