



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT)

valid from the academic year 2017/2018

General Information

Module title	Paedodontics and Dental Prophylaxis
Module type	Obligatory
Faculty	Faculty of Medicine
Field of study	Medicine and Dentistry
Major	Not applicable
Level of study	long-cycle (S2J)
Mode of study	intramural
Year of studies, semester	np. Year III, semester V and VI
ECTS credits (incl. semester breakdown)	4 (semester V-2, semester VI-2)
Type/s of training	lectures (10h) /seminars (15h)/ practical(60)
Form of assessment	- graded assessment: * <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral x non-graded assessment * - final examination: * <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral
Head of the Department/ Clinic, Unit	Dr n. med. Joanna Manowiec
Tutor responsible for the module	Dr n.med. Magdalena Gońda-Domin Dr n.med. Karolina Węsierska Lek. dent. Aleksandra Pakuła Lek. dent. Magdalena Bonaszewska
Department's/ Clinic's/ Unit's website	https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/zaklad-stomatologii-dzieciecej
Language	English

*replace ☐ with X where applicable

Detailed information

Module objectives		<p>The main aim of education is to develop competent dentists, ready to provide dental treatment of children and adolescents. It is essential to transfer and deepen knowledge and to acquire skills, which will enable to realize prophylactic, diagnostic and therapeutic goals in patients in developmental age. They mainly focus on: anamnesis, medical examination of a patient, choosing the ancillary tests, diagnosis and proper treatment. Learning PAEDODONTICS AND DENTAL PROPHYLAXIS will enable to familiarize with normal structure and function of the stomatognathic system taking into consideration the anatomical and physiological distinctions of the patients in developmental age. It will also enable to recognize structural and functional changes which are the determinants of the diseases of : oral cavity, head and neck. It is fundamental to get to know the etiology, course and risk factors of the diseases of the stomatognathic system as well as the treatment principles according to the contemporary medicine. The aim of education is also to acquire skills of communication with a child patient and its parents or caregivers that will enable the student: to collect the most important data, to obtain an agreement for the suggested treatment and to cooperate with a small patient during the diagnostic and therapeutic process. The learning process will also familiarize the students with the techniques of child's adaptation to the dental treatment. Keeping the proper medical documentation is a fundamental skill. A great emphasis is laid on the familiarity with the schemes of prophylaxis and on the propagation of the health education and knowledge of the pro-health behavior. The purpose of education is also to create the responsibility for the health of a small patient and to develop the ethical attitude towards the patients, their parents and caregivers and the co-workers.</p>
Prerequisite /essential requirements	Knowledge	Familiarity with the structure and function of stomatognathic system and with the principles of prophylactic-therapeutic process in adults.
	Skills	Performing the anamnesis and the patient's medical examination in the basic degree. Providing the treatment of the stomatognathic system in the basic degree.
	Competences	The ability to cooperate. The ability to communicate effectively. The ability to come into contact with the patient.

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 occlusion norms at various stages of individual development and deviations from norms	K_F.W01	Continuous evaluation during the practical classes
W02	Knows the rules of prophylactic-therapeutic procedures in diseases of the stomatognathic system of patients in the developmental age	K_F.W03	
W03	Knows the viral, bacterial and fungal flora of the oral cavity and its meaning	K_F.W04	
W04	Knows the symptoms for certain diseases of oral cavity, head and neck with regard to the age groups.	K_F.W05	
W05	Describes course and indicates treatment procedures for certain diseases of oral cavity, head and neck with regard to age groups.	K_F.W05	Three colloquiums from the seminars' topics including evaluation of the theoretical and practical skills (one in semester V, two in semester VI)
W06	Knows the principles of the treatment of diseases of the mineralized tissues in children and adolescents.	K_F.W07	
W07	Knows causes and procedures for management in case of complications of stomatognathic system diseases.	K_F.W14	
W08	Knows therapeutic methods of preventing and controlling pain, stress and anxiety.	K_F.W17	
U01	Interviews patient in developmental age and his/her parents/ caregivers.	K_F.U01	
U02	Carries out physical examination of patient in developmental age.	K_F.U02	
U03	Provides patient with explanation about ailment and their nature.	K_F.U03	

U04	Selects the method of treatment, presents it to the patient and his parents / caregivers, justifies the choice and obtains the informed consent of the parents' caregivers on the proposed method of treatment.	K_F.U03	
U05	Informs the patient and his/her parents/ caregivers about the prognosis.	K_F.U03	
U06	Provides bad information about the patient's health.	K_F.U04	
U07	Interprets results of ancillary tests of patients in developmental age.	K_F.U06	
U08	Finds indications to perform a certain dental procedure in patients in developmental age.	K_F.U07	
U09	Prevents the oral cavity diseases of patients in developmental age.	K_F.U08	
U10	Keeps patient records. Completes referrals for specialist dental and general medical treatment as well as for additional tests.	K_F.U13	
U11	Selects and performs tests determining the number of caries in the oral cavity.	K_F.U17	
U12	Applies appropriate medicines during and after dental surgery to relieve pain and anxiety.	K_F.U19	
K01	Accept the need for ethical standards	K_K02	
K02	Understands the sense of responsibility for entrusted property.	K_K07	
K03	Shows the habit of self-education and lifelong education.	K_K01	
K04	Shows respect to a patient and understands the specificity of working with the children.	K_K05	
K05	Understands proper examiner – examined relationship	K_K08	

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_F.W01		x						
2.	K_F.W03		x						
3.	K_F.W04		x						
4.	K_F.W05	x							
5.	K_F.W07	x	x						
6.	K_F.W14		x						
7.	K_F.W17		x						
8.	K_F.U01				x				
9.	K_F.U02				x				
10.	K_F.U03				x				
11.	K_F.U04				x				
12.	K_F.U06				x				
13.	K_F.U07				x				
14.	K_F.U08				x				
15.	K_F.U13				x				
16.	K_F.U17				x				
17.	K_F.U19				x				
18.	K_K02				x				
19.	K_K07				x				
20.	K_K01				x				
21.	K_K05				x				
22.	K_K08				x				

Module (subject) contents no.	Description of teaching programme	No. of hours	References to learning outcomes
	Lectures:		
TK01	Growing the child and its psychosocial development.	1	
TK02	Developmental disorders of number and structure of teeth.	1	W04, W05
TK03	Developmental disturbances of mineralized tissues: enamel, dentin, cement.	2	W04, W05, W06
TK04	The oral cavity in selected genetic syndromes. Disorders of calcium-phosphate transformation.	2	W04, W05
TK05	Infectious diseases in developmental age. Non-infective changes. Immune disorders and cancer.	2	W03, W04, W05
TK06	Etiology, epidemiology and injury classification. Post-traumatic examination.	1	W04

TK07	Pulp diseases in primary and immature permanent teeth. Classification and diagnostics.	1	W04
	Seminars:		
TK01	Oral hygiene indices (API, OHI-S, Pl.I), the methods of oral hygiene	1	W02
TK02	Fluoride prophylaxis. The mechanism of fluoride action. Endogenous and exogenous methods. Preparations. Non-fluoride prevention of caries.	2	W02
TK03	Caries deciduous and permanent teeth - causes, diagnosis, course. Methods of non-invasive caries treatment, minimally invasive and invasive treatment. Materials. Treatment planning, caries risk assessment, salivary tests. Dental examination of a child.	5	W02, W06, W07
TK04	Development of the face, masticatory system, teeth.	1	
TK05	Eruption of the primary and the permanent teeth. The process of resorption of the primary teeth's roots. Eruption disorders.	1	W01
TK06	Morphology, physiology of children's teeth. Development of occlusion, morphological and functional norm in particular developmental stages.	1	W01
TK07	A child in a dental office. Behavioral methods. Pharmacological premedication. Platelet sedation, general anesthesia.	2	W08
TK08	Nutrition and oral health.	1	W02
TK09	Oral microbiology.	1	W03
	Practical classes:		
TK01	Provides treatment procedures: examination of the child, assessment of hygiene indicators, oral hygiene teaching, fluoride prophylaxis, preventive and treatment plan, caries risk assessment, prophylactic fissure sealing. Treatment of caries and filling cavities. Shaping the child's dental attitude.	60	U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12 K01, K02, K03, K04, K05
Booklist			
Obligatory literature:			
1. Koch G., Poulsen S.: Pediatric dentistry – a clinical approach. Copenhagen: Blackwell Munksgaard; 2008.			
2. Cameron A.C., Widmer R.P.: Handbook of pediatric dentistry. Edinburgh: Mosby; 2012.			
Supplementary literature:			
1. Mathewson R.J., Primosch R.E.: Fundamentals of pediatric dentistry. Chicago: Quintessence Publishing Co; 1995.			
2. Scheller C.: Basic Guide to Dental Instruments. Chichester: Wiley-Blackwell, 2011.			

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	85		
Time spent on preparation to seminars/ practical classess	45		
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			
Other			
Student's workload in total	145		
ECTS credits for the subject (in total)	4		
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...