



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 IV, semester VII and VIII |
| ECTS credits (incl. semester breakdown) | 5 (semester VII-3, semester VIII-2) |
| Type/s of training | 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 |
| 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 | | Expanding theoretical knowledge, consolidating and acquiring new practical skills in the field of health promotion, prevention, diagnosis and treatment of masticatory diseases in developmental . | |
| Prerequisite /essential requirements | Knowledge | Knowledge and skills at the III 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) 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 | Knows course and indicates treatment procedures for certain diseases of oral cavity, head and neck with regard to age groups | K_F.W05 | |
| W06 | Knows and lists the principles of treatment of the pulp diseases in children and adolescents | K_F.W07 | Three colloquiums from the seminars' topics including evaluation of the theoretical and practical skills (one in semester VII, two in semester VIII) |
| W07 | Knows the principles of the treatment of diseases of the mineralized tissues in children and adolescents. | K_F.W07 | |
| W08 | Knows the treatment protocols in case of injuries of teeth and facial bones of children and adolescents. | K_F.W07 | |

| | | | |
|-----|--|---------|--|
| W09 | Knows the principles of treatment of the diseases of periapical periodontium in children and adolescents. | K_F.W08 | |
| W10 | Knows causes and procedures for management in case of complications of stomatognathic system diseases | K_F.W14 | |
| W11 | 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 | Prescribes treatment confirmed by patient's (parents'/ caregivers') free consent | K_F.U03 | |
| U05 | Informs the patient and his/her parents/ caregivers about the prognosis | K_F.U03 | |
| U06 | Provides patient or his/her relatives with bad information about health state | 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 | Identifies diseases of the stomatognathic system, traumatic injuries of the teeth and jaw bones of patients in developmental age | K_F.U09 | |
| 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 | |

| | | | |
|-----|--|---------|--|
| 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 | |
| U13 | Choose and provides treatment procedures applicable to cases of general and local complications during and after dental treatment | K_F.U11 | |
| U14 | Keeps day-to-day patient's records. Refers patient to special dental and medical treatment and prescribes ancillary tests | K_F.U13 | |
| U15 | Selects and performs tests determining the number of cariogenic bacteria in the oral cavity | K_F.U17 | |
| U16 | Indicates and determines treatment in diseases of stomatognathic system | K_F.U18 | |
| U17 | Uses the certain drugs during and after dental procedure to relieve pain and stress | K_F.U19 | |
| K01 | Accepts the need of ethical standards in medical practice | 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 | | | | | |

| | | | | | | | | | |
|-----|---------|--|---|--|---|--|--|--|--|
| 6. | K_F.W08 | | x | | | | | | |
| 7. | K_F.W14 | | x | | | | | | |
| 8. | K_F.W17 | | x | | | | | | |
| 9. | K_F.U01 | | | | x | | | | |
| 10. | K_F.U02 | | | | x | | | | |
| 11. | K_F.U03 | | | | x | | | | |
| 12. | K_F.U04 | | | | x | | | | |
| 13. | K_F.U06 | | | | x | | | | |
| 14. | K_F.U07 | | | | x | | | | |
| 15. | K_F.U08 | | | | x | | | | |
| 16. | K_F.U09 | | | | x | | | | |
| 17. | K_F.U10 | | | | x | | | | |
| 18. | K_F.U11 | | | | x | | | | |
| 19. | K_F.U13 | | | | x | | | | |
| 20. | K_F.U17 | | | | x | | | | |
| 21. | K_F.U18 | | | | x | | | | |
| 22. | K_F.U19 | | | | x | | | | |
| 23. | K_K02 | | | | x | | | | |
| 24. | K_K07 | | | | x | | | | |
| 25. | K_K01 | | | | x | | | | |
| 26. | K_K05 | | | | x | | | | |
| 27. | K_K08 | | | | x | | | | |

| Module (subject) contents no. | Description of teaching programme | No. of hours | References to learning outcomes |
|-------------------------------------|--|--------------|------------------------------------|
| | Seminars: | | |
| TK01 | Pulp diseases in primary teeth and immature permanent teeth. Classification, diagnostics, treatment | 4 | W02, W03, W06, W09, W10, W11 |
| TK02 | Etiology, epidemiology, classification of injuries. Post-traumatic examination. Management of permanent and dairy teeth injuries. Consequences of post-traumatic lesions. Prevention of post-traumatic lesions | 5 | W02, W08, W10, W11 |
| TK03 | Infectious diseases in developmental age. Non-infective changes. Immune disorders and cancer | 1 | W03, W04, W05, |
| TK04 | Developmental disorders of the number and anatomical structure of the teeth | 1 | W01, W04, W05 |

| | | | |
|------|---|----|--|
| TK05 | The oral cavity in selected genetic syndromes. Disorders of calcium-phosphate transformation | 1 | W04, W05 |
| TK06 | Fluoride prophylaxis. The mechanism of fluoride action. Endogenous and exogenous methods. Preparations. Non-fluoride prevention of caries | 1 | W02 |
| TK07 | Caries deciduous and permanent teeth - causes, diagnosis, course. Methods of non-invasive caries treatment, minimally invasive and invasive treatment. Materials. | 2 | W02, W07, W10, W11 |
| | 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 | 60 | U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, U14, U15, U16, U17 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. Cohen S., Hargreaves K.M.: Pathways of the pulp. St. Louis: Mosby Elsevier, 2006 (*chapter 8 and 22*)

| 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 | 75 | | |
| Time spent on preparation to seminars/ practical classess | 60 | | |
| 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 | 150 | | |
| ECTS credits for the subject (in total) | 5 | | |
| 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...