



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT)

General Information

| Module title | Preclinical Endodontics |
|---|--|
| Module type | Obligatory |
| Faculty | Faculty of Medicine and Dentistry |
| Field of study | Medicine and Dentistry |
| Major | Not applicable |
| Level of study | long-cycle (S2J) |
| Mode of study | intramural |
| Year of studies, semester | Year 3, semester V |
| ECTS credits (incl. semester breakdown) | 3 |
| Type/s of training | seminars (8h)/ practical (52h) |
| Form of assessment | final examination: -descriptive - test - practical - oral |
| Head of the Department/ Clinic, Unit | Prof. dr hab. Mariusz Lipski |
| Tutor responsible for the module | Prof. dr hab. Mariusz Lipski: fantom@pum.edu.pl Dr n. med. Ewa Marek: fantom@pum.edu.pl Dr n. med. Katarzyna Kot: fantom@pum.edu.pl Lek. stom. Anna Gmerek: fantom@pum.edu.pl |
| Department's/ Clinic's/ Unit's website | Katedra i Zakład Stomatologii ZachowawczejPrzedklinicznej i Endodoncji Przedklinicznej |
| Language | English |

Detailed information

| Module objectives | | Goal of preclinical endodontics is teaching students how to diagnose and treat pulp and periapical diseases using newest methods and using modern tools and equipment. |
|---|-------------|--|
| Prerequisite /essential requirements | Knowledge | The student knows morphology of the teeth, root canals and materials using in endodontic treatment |
| | Skills | Work in accordance with the principles of ergonomics. |
| | Competences | Habit of self-education; co-operate with team members. |

| Description of the learning outcomes for the subject /module | | | |
|--|---|--|---|
| Number of learning outcome | Student, who has passed the (subject) Knows /is able to /can: | SYMBOL (referring the standards) EKK | Method of verification of learning outcomes |
| W01 | knows rules of administering local anesthesia in area of stomathognatic system | K_F.W06 | Oral thematic seminars, continous assessment on excercises/control of practical skills. Colloquia and oral and written test |
| W02 | knows principles of conduct of pulp diseases and mineralized tooth tissue and injury of tooth and facial skeleton | K_F.W07 | |
| W03 | knows principles of conduct of periapical diseases | K_F.W08 | |
| W04 | knows morphology of pulp cavity and rules of endodontic treatment and instruments | K_F.W09 | |
| W05 | knows prophylaxis of oral cavity diseases | K_F.U09 | |
| U01 | identifies research issues connected with his/her work | K_F.U14 | |
| U02 | provides endodontic treatment and restores missing mineralized tissue of phantom tooth | K_C.U09 | |
| K01 | accepts need of standards of conduct and legislation regarding medical practice | K_K02 | |
| K02 | understands sense of responsibility for entrusted property | K_K07 | |
| K03 | shows habit of self-education and lifelong education | K_K01 | |
| K04 | can co-operate with team members and care about occupational safety | K_K03 | |

| Table presenting the learning outcomes of the subject/module in relation to the form of classes | | | | | | | | | |
|---|---|-------------------|---------|-------------------|------------------|-----|-----|-----|-------|
| No. | SYMBOL (referring the standars) ZEK | Types of training | | | | | | | |
| | | Lecture | Seminar | Practical classes | Clinical classes | ... | ... | ... | Other |
| 1. | K_F.W06 | | X | X | | | | | |
| 2. | K_F.W07 | | X | X | | | | | |
| 3. | K_F.W08 | | X | X | | | | | |
| 4. | K_F.W09 | | X | X | | | | | |
| 5. | K_F.U09 | | X | X | | | | | |
| 6. | K_F.U14 | | X | X | | | | | |
| 7. | K_C.U09 | | X | X | | | | | |
| 8. | K_K02 | | | X | | | | | |
| 9. | K_K07 | | | X | | | | | |
| 10. | K_K01 | | X | X | | | | | |
| 11. | K_K03 | | X | X | | | | | |

| Module (subject) contents | | | |
|------------------------------|--|-------|---|
| Symbol of teaching programme | Content of teaching programme | Hours | References to learning outcomes |
| | Seminary: | 4 | |
| TK01 | Diagnosis of the pulp diseases and periapical diseases. Endodontic treatment of vital and nonvital teeth. Teeth morphology and endodontic access | | W02,03,04,05 K03,04 |
| | Seminary: | 4 | |
| TK02 | Teeth morphology and endodontic access | | W02,03,04,05 K03,04 |
| | Exercise: | | |
| TK03 | Teeth morphology and endodontic access in extracted teeth, Catheterization of canal and preparation of canal's orifice | 4 | W02,03,04,05 U02 K01,02,03,04 |
| TK04 | Diagnosis and division of the pulp diseases | 4 | W02 K03,04 |
| TK05 | Endodontic treatment of vital and nonvital teeth | 4 | W02,03 U02 |
| TK06 | Diagnosis, division and treatment of periapical diseases | 4 | W03,05 U02 K01,02,03,04 |
| TK07 | Endodontic hand instruments (files, barber broaches, reamers) | 4 | W04 U01,02 |
| TK08 | Canal length determination - radiographic and electronic methods | 4 | W02,03,04 U01,02 K01,02,03,04 |
| TK09 | Techniques of preparation of root canals with particular regard of step-back technique and traditional technique | 4 | W02,03,04 U01,02 K01,02,03,04 |
| TK10 | Root canal irrigation (tools, solutions, bases) | 4 | W02,03,04 U01,02 K01,02,03,04 |
| TK11 | Intracanal temporary disinfection materials | 4 | W02,03 U01,02 |
| TK12 | Canal filling materials. Obturation the canal with single core technique | 4 | W02,03 U01,02 K01,02,03,04 |
| TK13 | Canal filling materials. Obturation the canal with lateral condensation technique | 4 | W02,03 U01,02 K01,02,03,04 |
| TK14 | Anesthesia in endodontics. Endodontic treatment of deciduous teeth and immature permanent teeth | 4 | W01,02,03,04 ,05 U01,02 K01,02,03,04 |
| TK15 | Evaluation of the quality of endodontic treatment, treatment effectiveness. Making up backlog | 4 | U02 K01,02,03,04 |

| References and educational resources |
|---|
| 1. Pathways of the pulp” by S. Cohen, R. C. Burns |
| 2. Endodontics. Principles and practices" by M. Torabinejad, R.W. Walton |
| 3. Clinical Endodontics" by L. Tronstad |

| Student’s workload (balance sheet of ECTS points) | | | |
|--|--------------|---------|---------|
| Form of student’s activity (in-class participation; activeness, produce a report, etc.) | Workload [h] | | |
| | Tutor | Student | Average |
| activities that require direct participation of tutors | 60 | | |
| Preparation to the classes | 15 | | |
| Reading of the indicated/specified literature | 15 | | |
| Report writing/project making | 60 | | |
| Time spent to prepare for the exam | 30 | | |
| Time spent to prepare for test | 15 | | |
| Student’s workload in total | 195 | | |
| ECTS points for the subject | 3 | | |
| Remarks at the end | | | |
| | | | |

Methods of assessment, for example:

E – exam- problem resolving
S – verifying of practical skills
R – report
D – discussion
P – presentation
Others