



Pomorski Uniwersytet Medyczny w Szczecinie

SYLLABUS of the MODULE (DENTAL SURGERY) General Information

Module title: Dental Surgery	
Module type	Obligatory
Faculty PMU	Faculty of Dentistry
Major	Dentistry
Level of study	long-cycle (S2J)
Mode of study	full-time studies
Year of studies, semester	Year 5, semester IX and X
ECTS credits (incl. semester breakdown)	7 ECTS
Type/s of training	Seminars (15 h)/ practical (95 h), sum 110 h
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 checked="" 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 type="checkbox"/> oral
Head of the Department/ Clinic, Unit	Katarzyna Barczak, MD, Ph.D., Assoc. Prof.
Tutor responsible for the module	Rok V EP; dr n. med. Krystyna Kabacińska e-mail:krystyna.kabacińska@pum.edu.pl lek. dent. Alicja Rutkowska alicja.rutkowska@pum.edu.pl
Department's/ Clinic's/ Unit's website	Department of Endodontic Surgery al. Powstańców Wlkp. 72, 70-111 Szczecin tel. 91 466-17-36
Language	English

* replace into where applicable

Detailed information

<p>Module objectives</p>	<p>The main goal of this program is to prepare future dentists to provide dental treatment to both children and adult patients. Particular emphasis will be placed on developing clinical thinking skills, being able to take a patient's medical history and carry out a clinical examination, perform diagnostic procedures, and conduct differential diagnosis. The acquired detailed knowledge of the etiopathogenesis of inflammatory and neoplastic diseases of the oral cavity and face, as well as becoming familiar with the basic medications used in the pharmacotherapy of oral and facial conditions, will enable graduates to effectively manage selected oral, head, and neck conditions in children and adult patients. Furthermore, the acquired skills in selecting and implementing various preventive methods for oral diseases and the stomatognathic system as a whole, promoting health education and encouraging health-promoting behaviors will allow for individualized planning of preventive and therapeutic procedures, as well as the implementation and evaluation of programs for individuals at high risk of masticatory diseases. Graduates will acquire knowledge of the interrelationships between general medicine and dentistry, the impact of general diseases and their treatment methods on dental care, as well as the ability to recognize symptoms of systemic diseases manifesting in the oral cavity. Students will learn to diagnose and undertake appropriate dental treatment before surgical procedures, radiotherapy, and chemotherapy.</p>						
<p>Prerequisite /essential requirements</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td data-bbox="440 1263 671 1704" style="text-align: center; vertical-align: middle;"> <p>Knowledge</p> </td> <td data-bbox="671 1263 1442 1704"> <p>Students must possess basic knowledge and principles of disinfection, sterilization, and aseptic procedures, as well as knowledge of dental office equipment, their use, and instrumentation. Students must also possess the knowledge of basic drug groups (their composition, properties and intended use), as well as materials used in dental surgery. Knowledge of the anatomy of the facial skeleton, etiopathogenesis of inflammatory and neoplastic diseases of the oral cavity and facial region are also required. The knowledge of basic medications used in the pharmacotherapy of oral and facial conditions is also required.</p> </td> </tr> <tr> <td data-bbox="440 1704 671 1928" style="text-align: center; vertical-align: middle;"> <p>Skills</p> </td> <td data-bbox="671 1704 1442 1928"> <p>Students must be able to work in a dental office with ergonomics and occupational safety in mind. Students are required to interpret basic and any additional laboratory tests, as well as describe and interpret basic radiological images and examinations of the head and neck region.</p> </td> </tr> <tr> <td data-bbox="440 1928 671 2072" style="text-align: center; vertical-align: middle;"> <p>Competences</p> </td> <td data-bbox="671 1928 1442 2072"> <p>Students are required to possess the habit of self-education, the ability to establish contact with patients, as well as teamwork skills.</p> </td> </tr> </table>	<p>Knowledge</p>	<p>Students must possess basic knowledge and principles of disinfection, sterilization, and aseptic procedures, as well as knowledge of dental office equipment, their use, and instrumentation. Students must also possess the knowledge of basic drug groups (their composition, properties and intended use), as well as materials used in dental surgery. Knowledge of the anatomy of the facial skeleton, etiopathogenesis of inflammatory and neoplastic diseases of the oral cavity and facial region are also required. The knowledge of basic medications used in the pharmacotherapy of oral and facial conditions is also required.</p>	<p>Skills</p>	<p>Students must be able to work in a dental office with ergonomics and occupational safety in mind. Students are required to interpret basic and any additional laboratory tests, as well as describe and interpret basic radiological images and examinations of the head and neck region.</p>	<p>Competences</p>	<p>Students are required to possess the habit of self-education, the ability to establish contact with patients, as well as teamwork skills.</p>
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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	The student knows and understands the principles of preventive and therapeutic treatment of oral cavity/masticatory diseases at various stages of its development	F.W02	K,PM,S, EPR, ET
W02	The student knows and understands the symptoms, course and procedures for specific diseases of the oral cavity, head and neck, taking into account various age groups	F.W04	K,PM,S, EPR, ET
W03	The student knows and understands the principles of treatment in the case of periapical tissue diseases	F.W06	K,PM,S, EPR, ET
W04	The student knows the procedures involved in the treatment of cysts, precancerous conditions and head and neck cancers	F.W08	K,PM,S, EPR, ET
W05	The student knows and understands the indications and contraindications for treatment with dental implants	F.W10	K, PM, S, EPR, ET
W06	The student knows and understands the causes of complications involved with diseases of the stomatognathic system, as well as treatment protocol in the event of complications	F.W12	K,PM,ET
W07	The student knows and understands therapeutic methods for reducing and eliminating pain, as well as reducing anxiety and stress in patients	F.W15	K, PM, S, EPR, ET
W08	The student knows and understands the principles of anesthesia in dental procedures and has basic knowledge of pharmacological agents used in dental surgery	F.W16.	K, PM, S, EPR, ET
W09	The student knows and understands the principles of treatment in the case of masticatory diseases, injuries to the teeth and the maxilla/mandible	F.W22.	K, PM, S, EPR, ET
W10	The student knows and understands the specifics of dental care for a patient with a general disease, as well as the principles of teamwork with the main doctor treating the underlying systemic disease	F.W23.	K, PM, S, EPR, ET
U01	The student is able to conduct a medical interview with the patient and his/her family	F.U01.	K, PM, S, EPR, ET
U02	The student is able to perform a dental examination	F.U02.	S, EPR, PS

U03	The student is able to explain to the patient the nature of his/her ailment, determine the proper treatment protocol based on the patient's informed consent and the prognosis of the disease	F.U03.	K, PM, S, EPR, ET
U04	The student is able to provide the patient or his/her family with proper information about an unfavorable prognosis	F.U04.	K, S, EPR, ET
U05	The student is able to interpret the results of additional tests and consultations	F.U06.	K,PM,S,EPR,ET
U06	The student is able to determine the indications and contraindications for performing a specific dental procedure	F.U07.	K,PM,S,EPR,ET
U07	The student is able to treat acute and chronic, odontogenic and non-odontogenic inflammatory processes of the soft tissues of the oral cavity, periodontium and maxilla/mandible	F.U08.	K,PM,S,EPR,ET
U08	The student is able to deal with general and local complications during and after dental procedures	F.U09.	K,PM,S,EPR,ET
U09	The student is able to prescribe medications taking into account their interactions and side effects	F.U10.	K, PM, S, EPR, ET
U10	The student is able to keep up with current patient records, write referrals to other dental specialists as well as referrals for general medical tests and/or treatment	F.U11	K, PM, S, EPR, ET
U11	The student is able to formulate research problems in the field of dentistry	F.U12	PM, S, EPR, ET
U12	The student can present selected medical problems orally or in writing in a manner appropriate to the patient's level	F.U13	K, PM, EPR, ET
U13	The student is able to determine treatment protocols for diseases of the stomatognathic system	F.U15	K, PM, S, EPR, ET
U14	The student is able to use appropriate medications during and after dental procedures to relieve pain and anxiety	F.U16	K, PM, EPR, ET
U15	The student is able to describe radiographic images (dental radiograph, panoramic radiograph)	F.U23	K, PM, EPR, ET
K01	The student is ready to establish and maintain a deep and respectful contact with the patient, as well as to show understanding for ideological and cultural differences	K.1.	S, EPR. ET
K02	The student is ready to act in the best interests of the patient	K.2.	S,EPR,ET
K03	The student is ready to respect medical confidentiality and patient rights	K.3.	S,O

K04	The student is ready to give proper medical care to the patient based on ethical principles with awareness of the social conditions and limitations resulting from the disease	K.4.	K,PM,EPR,ET
K05	The student is ready to notice and recognize his/her own limitations, make a self-assessment of deficits and educational needs	K.5.	K,PM,EPR,ET
K06	The student is ready to draw conclusions based on his/her own perspective or observations	K.8	K,PM,EPR,ET
K07	The student is ready to formulate opinions on various aspects of the dental profession	K.10	K,PM,EPR,ET,O
K08	The student is ready to accept responsibility for decisions made in the course of his/her professional work, including those related to his/her own safety and the safety of others	K.11	K,PM,EPR,ET,O
	Final Exam: <ol style="list-style-type: none"> Theoretical exam in the form of a 100-questions test Practical exam which includes a clinical dental examination and interview with the patient, laboratory test recommendations, interpretation of laboratory tests, diagnosis, and treatment recommendations 		

Table presenting LEARNING OUTCOMES in relation to the form of classes

No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical classes	Clinical classes	Simulations	E-learning	Other...
W01	F.W02.		X		X			
W02	F.W04.		X		X			
W03	F.W06.		X		X			
W04	F.W08.		X		X			
W05	F.W10.		X		X			
W06	F.W12.		X		X			
W07	F.W15.		X		X			
W08	F.W16.				X			
W09	F.W22.				X			
W10	F.W23.				x			
U01	F.U01		x		X			
U02	F.U02		x		X			
U03	F.U03				X			
U04	F.U04				x			
U05	F.U06.		X		X			
U06	F.U07.				X			

U07	F.U08.				X			
U08	F.U09.		X		X			
U09	F.U10		X		X			
U10	F.U11.				X			
U11	F.U12.				X			
U12	F.U13.				X			
U13	F.U15.				X			
U14	F.U.16.		X		X			
U15	F.U.23.				X			
K01	K.01.		X		X			
K02	K.02.				X			
K03	K.03.				X			
K04	K.04.				X			
K05	K.05.				X			
K06	K.08.		X		X			
K07	K.10.		X		X			
K08	K.11				X			
K05	K.05.				X			

Table presenting TEACHING PROGRAMME			
No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
Winter semester			
Seminars			
TK01	Cranial nerve diseases, pain syndromes in the craniofacial region	3	W02, W04, W06
TK02	Salivary gland diseases, diagnosis and treatment	3	W03, W11, U07
TK03	Types of temporomandibular joint disorders, diagnosis and treatment	3	W03, W11, U07
TK04	Dental and alveolar bone traumas. Classification, diagnosis, and treatment including first aid for dental trauma.	2	W09, K06, U11
TK05	Dental implantology, regenerative and reconstructive procedures in implantology, types of bone substitute materials, barrier membranes, applications, causes of failures.	3	W05, W07, W08, K04, K05
Practical classes			
Semester I			
TK06	Protocol of procedures for eliminating pain and anxiety before dental procedures. Anesthesia techniques.	15	W08, W09, W10
TK07	Surgical tooth extraction techniques. Impacted teeth concerns. Post-extraction complications (oroantral communication)	15	W04, W07, U06, U09
TK08	Dental procedures in patients with systemic diseases. Emergencies in the dental office.	15	W02, W03, U10, U07, U09, U13, U14
Semester II			
TK09	Salivary gland diseases and inflammation –	15	W01, W04, W06,

	classification, etiopathogenesis, differentiation. Diagnostics, treatment protocol.		W09, U02, U05, U07 U12, K01
TK10	Dental and alveolar bone trauma. Fractures of the mandible and maxilla. Classification, clinical presentation, diagnosis and treatment protocol.	10	U09, U01, U02
TK11	Premalignant conditions of the craniofacial and neck regions. Differential diagnosis. General characteristics and classification of tumors. Diagnosis and treatment protocol.	10	U01, U02, U03, U05, W04,W10, U12, U11, U12
TK12	Pain syndromes in the craniofacial region. Diagnosis of pathological conditions in the temporomandibular joint. Differential diagnosis.	5	W01, W02, W07, W10, U01, U02, U03, K01, K03
TK13	Dental implantology. Pre-prosthetic procedures in the oral cavity.	10	W01, W05, W10, U03, K05, K06

Booklist

Obligatory literature:

1. Chirurgia stomatologiczna i szczękowo-twarzowa. Tom I-III , red. nauk. Mansur Rahnama. Warszawa: PZWL Wydawnictwo Lekarskie, 2024

2.

Supplementary literature:

1.

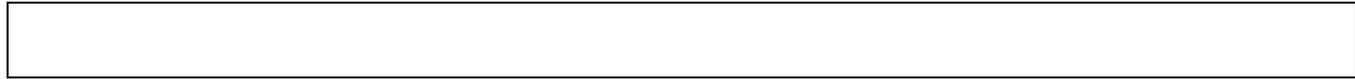
2.

Procedures required to complete the year:

2 extractions
5 dressings
5 suturing procedures
10 assists during procedures (including 3 assists during surgical procedures in the surgical department)

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	110
Time spent on preparation to seminars/ practical classes	20
Time spent on reading recommended literature	15
Time spent on writing report/making project	-
Time spent on preparing to colloquium/ entry test	25
Time spent on preparing to exam	40
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 – multimedia presentation

other...