



Pomorski Uniwersytet Medyczny w Szczecinie
SYLLABUS of the MODULE (SUBJECT)

General information

Faculty Name: PERIODONTAL AND IMPLANTOLOGY SURGERY	
Module type	Facultative
Faculty PMU	Faculty of Medicine and Dentistry
Major	Medicine and Dentistry (KLD)
Specialty	-
Level of study	long-cycle
Mode of study	full-time/part-time
Year of studies, semester	Year IV/semester VII /VIII
ECTS credits (incl. semester breakdown)	1
Type/s of training (Number of hours)	Seminars (25h)
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <input type="checkbox"/> final examination <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral
Head of the Department /Clinic, Unit	dr hab. n .med. Elżbieta Dembowska
Tutor responsible for the module	dr n. med. Kamila Kozak- Jastrzębska kozak.dent@gmail.com
Name and contact data of the unit	Department of Periodontology PUM phone no. 914661745 e-mail: zperio@pum.edu.pl
Department's/Clinic's/Unit's website	https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/zaklad-periodontologii
Language	Polish/English

* where applicable, replace ☐ into ☒

Detailed information

Module objectives		<p>The objective of teaching PERIODONTOLOGICAL AND IMPLANTOLOGICAL SURGERY is to broaden knowledge in the field of:</p> <ul style="list-style-type: none"> - diagnosis and qualification of a patient with diagnosed periodontitis for surgical treatment - learning to make cuts and sutures in periodontal and mucogingival surgery - regenerative and resective surgery - minimally invasive surgical techniques - classification and diagnosis of periodontal bone defects - from the range of bone substitute and barrier materials used in periodontal surgery - classification and methods of treatment of gingival recessions - classification and treatment methods for disorders of the dental-gingival complex and mucogingival complex - soft tissue augmentation - laser therapy in the treatment of periodontal diseases (non-surgical, surgical) - diagnosis, classification and treatment of peri-implantitis complications
Prerequisite /essential requirements	Knowledge	<p>Knowledge of anatomy and physiology of periodontium, ergonomic principles of work and periodontal, surgical, implantological instruments.</p> <p>Division of periodontal diseases, diagnostic and differential criteria of periodontal diseases.</p> <p>Algorithm of management in particular clinical units of periodontal diseases, influence of periodontal diseases on patient's general health condition, diagnostics and principles of planning treatment of occlusal trauma, parafunctions of the masticatory organ and functional disorders of the temporomandibular joint.</p> <p>Laser therapy in periodontal diseases.</p> <p>Planning implant treatment in patients with periodontitis, treatment of peri-implant complications (periimplantitis).</p>
	Skills	<p>Skills in the use of instrumentation surgical instruments, suture materials, basic cutting, types of flaps.</p> <p>Operation of laser equipment (diode, erbium, CO2 lasers)</p> <p>Placing a dental implant on a phantom.</p>
	Competences	<p>The habit of self-education, teamwork, use of all available sources of medical knowledge, observance of professional secrecy, awareness of the need for cooperation between the dentist and doctors of other specialties, cooperation in the patient-physician-dental assistant team</p>

Description of the learning outcomes for the subject/module			
No. of learning outcome	Student, who has passed the (subject)	SYMBOL (referring the standards)	Method of verification of learning outcomes*
W01	Indications for surgical treatment in patients with periodontal disease. Patient examination and qualification for Procedures.	K_F.W02	Assessment by test
W02	Bone surgery. Flap operations.	K_F.W03	Assessment by test
W03	Classification and diagnosis of periodontal bone defects. Barrier materials used in regenerative surgery, materials Bone materials, bone substitutes - division.	K_F.W05	Assessment by test
W04	Bone defects in interroot spaces, methods of treatment of open interroot spaces inter-root spaces.	K_F.W06	Assessment by test
W05	Methods of soft tissue augmentation - alveolar gingival augmentation, indications for soft tissue augmentation, methods of alveolar gingival zone augmentation.	K_F.W11	Assessment by test
W06	Gingival recessions and their classification. Surgical methods for the treatment of gingival recessions. Reconstruction of interdental papillae. Methods of preventing atrophy of the alveolar process after extraction.	K_F.W14	Assessment by test
W07	Qualification criteria for implant treatment of patients with periodontitis. Medical history, examination of the patient.	K_F.W16	Assessment by test
W08	Structure of peri-implant tissues, types of implants. Planning of implanto-prosthetic treatment in patients with periodontitis. Types of prosthetic restorations.	K_F.W21	Assessment by test
W09	Classification, diagnostics and treatment of peri-implantitis complications.	K_F.W22	Assessment by test
W10	Minimally invasive surgical techniques in surgical and implantological treatment.	K_F.U01	Assessment by test
W11	Application of laser devices Treatment of periodontal diseases.	K_F.U02	Assessment by test

W12	Laser biostimulation in selected dental procedures.	K_F.U03	Assessment by test
W13	Laser therapy in bone surgery and soft tissue plasty.	K_F.U04	Assessment by test
W14	Use of high power lasers in treatment of peri-implant complications- periimplantitis.	K_F.U20	Assessment by test
W15	Planning implant and prosthetic treatment in patients with periodontitis on the basis of modern techniques of radiovisiography (CBCT).	K_F.U06	Assessment by test
W16	Enamel matrix proteins (EMD), Growth factors (GF).	K_F.U07	Assessment by test
W17	Soft tissue plasty around dental implants.	K_F.U08	Assessment by test
W18	Division of implant systems used in patients with periodontitis.	K_F.U09	Assessment by test
W19	Surgical preparation of prosthetic field.	K_F.U10	Assessment by test
W20	Rules of conduct in case of general and local complications during periodontal surgical procedures.	K_F.U11	Assessment by test
W21	Pharmacotherapy used in the treatment of periodontal surgery and implantology. Recommendations after periodontal and implant surgery.	K_F.U12	Assessment by test
W22	Operation of laser equipment used in periodontal treatments.	K_F.U13	Assessment by test
W23	Principles of implant insertion in patients with healthy periodontium and with periodontitis.	K_F.U15	Assessment by test
W24	Methods of flap design in periodontal and mucogingival surgery.	K_F.U18	Assessment by test
W25	Cutting and suturing techniques in periodontal surgery. Suture materials.	K_K01	Assessment by test

Booklist:
Obligatory literature:
<ol style="list-style-type: none"> 1. Klasyfikacja zapaleń przyzębia 2017 rok pod red. prof. dr hab. Renaty Górskiej 2. Periodontologia współczesna pod red. prof. dr hab. Renaty Górskiej i prof. dr hab. Tomasza Konopki
Supplementary literature

1. Periodontologia Hans-Peter Mueller red. wyd. pol. Supplementary literature
2. Supplementary literature Supplementary literature

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	25
Time spent on preparation to seminars/ practical classes	10
Time spent on reading recommended literature	15
Time spent on writing report/making project .	
Time spent on preparing to colloquium/ entry test	15
Time spent on preparing to exam	
Other	
Student's workload in total	60
ECTS credits	1
Notes	

* 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 – laboratory report

SP – case study

PS - assessment of student's ability to work independently

W – entry test

PM – multimedial presentation

other...