



# UNIVERSITÀ DEGLI STUDI DI PALERMO

<b>DEPARTMENT</b>	Medicina di Precisione in area Medica, Chirurgica e Critica		
<b>ACADEMIC YEAR</b>	2016/2017		
<b>MASTER'S DEGREE (MSC)</b>	DENTISTRY		
<b>INTEGRATED COURSE</b>	IMPLANTOLOGY AND ORAL SURGERY - INTEGRATED COURSE		
<b>CODE</b>	17624		
<b>MODULES</b>	Yes		
<b>NUMBER OF MODULES</b>	2		
<b>SCIENTIFIC SECTOR(S)</b>	MED/28		
<b>HEAD PROFESSOR(S)</b>	TORTORICI SILVIA	Professore Associato	Univ. di PALERMO
<b>OTHER PROFESSOR(S)</b>	TORTORICI SILVIA MAUCERI NICOLA	Professore Associato Ricercatore	Univ. di PALERMO Univ. di PALERMO
<b>CREDITS</b>	6		
<b>PROPAEDEUTICAL SUBJECTS</b>	83861 - PERIODONTOLOGY II		
<b>MUTUALIZATION</b>			
<b>YEAR</b>	5		
<b>TERM (SEMESTER)</b>	2° semester		
<b>ATTENDANCE</b>	Mandatory		
<b>EVALUATION</b>	Out of 30		
<b>TEACHER OFFICE HOURS</b>	<p><b>MAUCERI NICOLA</b> Wednesday 13:00 14:30 Plesso di Odontostomatologia - III piano</p> <p><b>TORTORICI SILVIA</b> Monday 11:30 13:30 III piano Chirurgia Odontostomatologica presso ufficio prof. S. Tortorici</p>		

<p><b>PREREQUISITES</b></p>	<p>Ability to identify pathological condition of surgical interest involving mucosal lining and maxillary bone structures through clinical assessment and instrumental investigations of first, second and third level; clinical knowledge of procedures and prognosis of osteointegration: ability of designing and developing a preventive and rehabilitative plan to assist the planning of prosthetic rehabilitation on osteo-integrated implants; clinical knowledge of surgical techniques, indications and contraindications; diagnostic, clinical, and surgical knowledge to perform basic surgical procedures; knowledge of instrumentation, materials and surgical techniques; ability of maintaining and preserving the integrity of peri-implantar tissue and addressing infective and surgical complications.</p>
<p><b>LEARNING OUTCOMES</b></p>	<p>Knowledge and ability of understanding</p> <ul style="list-style-type: none"> <li>• Knowledge of the pathologies of the oral maxillo-facial district for an accurate nosological classification</li> <li>• Knowledge of pathologies of surgical interest affecting the oral cavity, through semiotics and instrumental investigations</li> <li>• Ability to formulate a plan of treatment for the implant-prosthetic rehabilitation</li> <li>• Knowledge of potential and shortcomings of the main imaging techniques used for diagnostic purposes in oral surgery</li> <li>• Knowledge of surgical equipment</li> <li>• Knowledge of techniques and surgical protocols</li> <li>• Knowledge of rules of the work of healthcare workers</li> <li>• Knowledge of the historical evolution of the implantology</li> <li>• Knowledge of the physiological mechanisms and the morphological and functional characteristics of the process of osteointegration</li> <li>• Knowledge of the anatomy and the physiology of the peri-implant tissues</li> <li>• Knowledge of the epidemiology, etiopathogenesis, histopathology and clinical presentation of the infectious peri-implant diseases (peri-implant mucositis, peri-implantitis)</li> <li>• Knowledge of risk, indications and contraindications of the prosthetic rehabilitation</li> <li>• Knowledge of the methods and the instruments for the diagnosis and treatment of peri-implant diseases with infective origin</li> <li>• Knowledge of the clinical procedures and the prognosis of the osteointegration</li> <li>• Knowledge of tools, materials and techniques used in implantology, including the study of the surgical area and the timing of the procedures</li> <li>• Knowledge of techniques and prognosis of the on-lay graft ridge augmentation procedures and the maxillary sinus lift</li> <li>• Knowledge of the characteristics of the implant devices (morphology, surface)</li> <li>• Knowledge of the factors that influence the success of osseointegration</li> <li>• Knowledge of the protocols of the implant-prosthetic rehabilitation in edentulous subjects (anterior and posterior areas)</li> <li>• Knowledge of the techniques for producing a prosthesis</li> <li>• Knowledge of surgical and mechanical complications of implant-prosthetic rehabilitation</li> <li>• Knowledge of clinical procedures for maintenance of the peri-implant health</li> <li>• Knowledge of the language of specialized subjects taught during the lessons</li> </ul> <p>Ability of applying knowledge and understanding:</p> <ul style="list-style-type: none"> <li>• Ability to carry out a clinical examination of the oral maxillo-facial district and to detect and diagnose diseases of surgical interest</li> <li>• Ability to identify the potentialities and the limits of diagnostic tools</li> <li>• Ability to recognize and properly use the surgical instruments</li> <li>• Ability of treating oral maxillary diseases and applying the protocols of treatment</li> <li>• Ability to program a surgical pre-implant plan</li> <li>• Ability to analyze a clinical case and to coordinate a multidisciplinary surgical team by knowing rules and dynamics of the job of health care workers</li> <li>• Ability to detect and to motivate informed consent to surgery</li> <li>• Ability to consult databases for the purpose of acquiring scientific documentation and analyze scientific literature applying the results of the research to surgery</li> <li>• Ability to plan an implant-prosthetic rehabilitation, evaluating the patient and the area to treat</li> <li>• Ability to diagnose infectious, surgical and mechanical complications of the implant-prosthetic treatment</li> <li>• Ability of planning and delivering good health of peri-implant tissue</li> <li>• Ability to carry out the treatment of infectious, surgical and mechanical complications of the implant-prosthetic rehabilitation.</li> </ul> <p>Capacity of judgments: The student has to be able to realize a surgical plan of treatment autonomously, according to the diagnostic algorithms; he has to be able to evaluate the effectiveness of the surgical procedures performed. Part of</p>

	<p>learning process is based on readings of international journal on updated data of epidemiology and surgical procedures. The student must be able to set up an individualized plan of implant rehabilitation, considering local and systemic factors. He must be able to treat potential complications.</p> <p>Communicative skills: The student must be able to communicate effectively with the patient, to explain the need of the surgical treatment and to motivate the informed consent. The student must know English in order to consult international journals and to communicate with foreign researchers. The student must develop the capacity to expose correctly the clinical cases and the informations to implement the oral hygiene procedures. Capacity to explain to the patient the nature, advantages and limitations of different assumptions of the treatment. Learning skills: The student has ability to consult databases for the purpose of acquiring scientific documentation and analyze scientific literature applying the data to the implant-prosthetic treatment .</p>
<b>ASSESSMENT METHODS</b>	<p>The candidate must sustain an oral examination consisting of two or three questions about the topics discussed during the lessons to assess the skills of interpretation and understanding; A diagnostic and surgical treatment plan of a clinical case must be formulated through evaluation of anamnestic and semiological data contained in medical records and of diagnostic exams; The candidate will be judged to basic surgical procedures learned during the internship and performed on dummy. The assessment is expressed out of thirtieth; the score is based on the knowledge of the topics, presentation skills, appropriate technical language, and on the ability to diagnosis and to plan a therapeutic treatment.</p> <p>Score 30-30 cum laude: excellent knowledge of the topics, excellent language skills, excellent diagnostic and therapeutic abilities, excellent manual skills Score 25-29: good knowledge of the topics, good language skills, good diagnostic and therapeutic abilities, good manual skills Score 21-24: Fair knowledge of the topics, decent language skills, limited ability to analyze clinical cases, decent manual skills Score 18-20: basic knowledge of topics and poor language skills, poor ability to solve clinical cases, sufficient manual skills Fail: lack of knowledge of the topics</p>
<b>TEACHING METHODS</b>	Lessons, preclinical internship, workshops, outpatient clinic

**MODULE  
IMPLANTOLOGY AND PROSTHESES**

*Prof. NICOLA MAUCERI*

**SUGGESTED BIBLIOGRAPHY**

Gatti C, Chiapasco M, Casentini P, Procopio C. Manuale illustrato di Implantologia orale. Milano: Masson; 2006

<b>AMBIT</b>	50448-Discipline odontoiatriche e radiologiche
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<b>INDIVIDUAL STUDY (Hrs)</b>	45
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<b>COURSE ACTIVITY (Hrs)</b>	30
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**EDUCATIONAL OBJECTIVES OF THE MODULE**

To give the students the necessary means for the formulation of a correct diagnosis of the different clinical cases of edentulia and for planning an adequate implant supported prosthesis. Lectures supported by images will be carry out about the diagnosis and treatment plan, about principles and techniques of implantology, both for fixed and for removable denture.

**SYLLABUS**

Hrs	Frontal teaching
4	Introduction to the Oral Implantology. Indications and contraindications for the implantology treatment
4	The single-tooth restorative treatment: physical examination, radiographic analysis and surgical techniques
4	Restorative treatment of the partial edentulous patient: physical examination, radiographic analysis and surgical techniques
4	The restorative treatment of the edentulous patient: physical examination, radiographic analysis and surgical techniques
4	Occlusion and load (immediate/delayed) in implant supported dentures
2	The temporary restorations in Implantology
4	Fabrication technique of the implant supported dentures
4	Complications in oral implantology.

**MODULE  
ORAL SURGERY II**

*Prof.ssa SILVIA TORTORICI*

**SUGGESTED BIBLIOGRAPHY**

Chiapasco M. e coll. Manuale illustrato di Chirurgia Orale Ed. Masson  
 Chiapasco M. Procedure di Chirurgia Orale nel rispetto dell'anatomia Ed UTET scienze Mediche  
 Covani U. Ferrini F. Chirurgia Orale Ed. Martina Bologna

<b>AMBIT</b>	50448-Discipline odontoiatriche e radiologiche
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

**EDUCATIONAL OBJECTIVES OF THE MODULE**

Knowledge of vocabulary and cultural and methodological skills of:

- Surgical evaluation of diseases involving mucosal lining and maxillary/mandibular bone structures in the patient candidate for the implant-prosthetic rehabilitation
- Tools, materials and techniques used in oral surgery
- Surgical procedures and prognosis of diseases involving the mucosa, the bone structure and the maxillary sinus
- Medical-surgical procedures and prognosis of mucous membranes and bone diseases of edentulous and partially edentulous jaws. Through semiotics and instrumental investigations, identify pathological conditions of surgical interest involving mucosal lining and maxillary bone structures; clinical knowledge of surgical techniques, indications and contraindications; ability to plan a preventive treatment for the purpose of implant-prosthetic rehabilitation

The student must be able to know the diagnostic, clinical and surgical procedures for the purposes of applying the most effective surgical protocols.  
 He must be able to plan a surgical treatment, to explain to the patient the therapeutic options and the informed consent.

**SYLLABUS**

Hrs	Frontal teaching
3	Classification of odontogenic cyst: Differential diagnosis, semeiotics, etiopathogenesis, diagnosis, surgical techniques.
2	Non odontogenic cysts: classification and surgical therapy
3	Periapical surgery: indications, techniques, failures, retrograde obturation
2	Odontogenic sinusitis: surgery of maxillary sinus. oral-antral communications and complications
2	surgical treatment Local and general complications in oral surgery and their management
3	Benign lesions of soft tissue and bone
3	Major diseases of the salivary glands: surgical protocols
3	Preneoplastic lesions; excisional and incisional biopsies: indications and sampling techniques
3	Odontogenic tumors: differential diagnosis, surgical treatment of benign and local malignancy tumors
3	Non odontogenic tumors of hard and soft tissues; diagnosis and surgical treatment
3	Preprosthetic minor surgery; surgery of soft and hard tissues