



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Medicina di Precisione in area Medica, Chirurgica e Critica		
ACADEMIC YEAR	2022/2023		
MASTER'S DEGREE (MSC)	DENTISTRY		
INTEGRATED COURSE	ORAL DISEASES- INTEGRATED COURSE		
CODE	19355		
MODULES	Yes		
NUMBER OF MODULES	2		
SCIENTIFIC SECTOR(S)	MED/50, MED/28		
HEAD PROFESSOR(S)	PANZARELLA VERA	Ricercatore a tempo determinato	Univ. di PALERMO
OTHER PROFESSOR(S)	PANZARELLA VERA	Ricercatore a tempo determinato	Univ. di PALERMO
CREDITS	8		
PROPAEDEUTICAL SUBJECTS	05209 - MICROBIOLOGY AND GENERAL PATHOLOGY - INTEGRATED COURSE 13579 - GENERAL AND APPLIED HISTOLOGY - INTEGRATED COURSE 13577 - HUMAN AND APPLIED ANATOMY . INTEGRATED COURSE		
MUTUALIZATION			
YEAR	3		
TERM (SEMESTER)	2° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	PANZARELLA VERA Tuesday 13:00 15:00 Piattaforma digitale TEAMS: https://teams.microsoft.com/j/team/19%3ad753ab8750844cc1abfda57338928e09%40thread.tacconversations?groupId=5680544a-9330-436a-baf4-1e70f0da0e59&tenantId=bf17c3fc-3ccd-4f1e-8546-88fa		

PREREQUISITES	Knowledge of the macro and micro characteristics of the stomatognathic system and its main functions (phonation, chewing, swallowing). Knowledge of the oral ecology and of the infectious/inflammatory, immunological and oncological pathogenic mechanisms.
LEARNING OUTCOMES	<p>Knowledge and understanding regarding to:</p> <ul style="list-style-type: none"> - physiological and pathological aspects (clinical and histo-morphological) of the hard and soft tissues of the oral cavity; - oral mucosa and saliva detection systems (invasive and non), organoleptic and instrumental methods of halitosis diagnosis, diagnostic techniques applied to hard and soft tissues of the oral cavity (pathology, microbiology, imaging), additional non-invasive techniques; - oral and peri-oral drug adverse reactions. <p>Applying knowledge and understanding.</p> <p>Ability to perform a proper diagnostic approach to oral lesions: ability to discriminate them on the basis of chroma, morphology and pathogenesis through a correct hypothetical-deductive approach.</p> <p>Ability of a comprehensive survey of medical history and risk profiles potentially associated with the most common oral diseases (especially oncological).</p> <p>Ability to recognize the most common intra-oral manifestations of systemic diseases.</p> <p>Making judgments.</p> <p>Being able to evaluate the appropriate diagnostic and management approaches to oral diseases also in relation to systemic conditions.</p> <p>Knowing how to write a referral letter and be able to prescribe instrumental and laboratory investigations in order to make a correct oral pathologies diagnosis or follow-up.</p> <p>To understand the results of laboratory tests and of other instrumental exams in relation to oral diseases.</p> <p>Communication skills.</p> <p>Ability to expose the problems of oral pathology (and its taxonomy) also to non Oral Medicine specialists.</p> <p>To be able to perform counseling and to know the guidelines of the first medical consultation.</p> <p>Ability to process clinical cases seen during the clinical traineeship or to discuss case reports from the scientific literature.</p> <p>Learning skills.</p> <p>Ability to upgrade by specific scientific publications.</p>
ASSESSMENT METHODS	<p>Oral assessment. This assessment is used to evaluate the student's knowledge and understanding of the program content, independent judgement, ability to apply acquired knowledge and specific technical terminology. The student will have to answer a minimum of four questions posed orally which will focus on the subjects covered in the program, making reference to suggested texts and, for the module of Periodontology I, also to the guide to the study of bibliographical sources (document uploaded on the student portal).</p> <p>ASSESSMENT CRITERIA</p> <p>The assessment grades are given as numerical scores awarded out of a possible 30 points, and as follows:</p> <ul style="list-style-type: none"> - 30 - 30 cum laude - ECTS grades: Excellent (A – A+) <p>Result: Excellent knowledge of the taught subject matter. The student demonstrates good analytic-synthetic capabilities and is able to apply knowledge to resolve highly complex problems.</p> <ul style="list-style-type: none"> - 27 – 29 – ECTS grades: Very good (B) <p>Result: Very good knowledge of the taught subject matter and good use of language. The student demonstrates analytic-synthetic capabilities and is able to apply knowledge to resolve some complex problems.</p> <ul style="list-style-type: none"> - 24 – 26 – ECTS grades: Good (C) <p>Result: Good knowledge of the taught subject matter and good use of language. The student is able to apply knowledge to resolve problems of medium complexity.</p> <ul style="list-style-type: none"> - 21 – 23 – ECTS grades: Satisfactory (D) <p>Result: Reasonable knowledge of the taught subject matter, in some cases limited to the main topics. Acceptable use of technical language and capacity to apply acquired knowledge independently.</p> <ul style="list-style-type: none"> - 18 – 20 – ECTS grades: Sufficient (E) <p>Result: Minimal knowledge of the taught subject matter, often limited to the main topics. Modest use of technical language and some capacity to apply acquired knowledge independently.</p> <ul style="list-style-type: none"> - 1 – 17 – ECTS grades: Fail (F) <p>Result: Unacceptable knowledge of the taught subject matter. Little or no use of technical language and capacity to apply acquired knowledge independently.</p> <p>Exam failed.</p>
TEACHING METHODS	Lectures, discussion on case reports from the scientific literature, single-topic seminars, question time.

**MODULE
APPLIED MEDICAL TECHNOLOGIES**

SUGGESTED BIBLIOGRAPHY

Gandolfo S et al. Patologia e medicina del cavo orale. UTET, 2022.
Articoli scientifici e risorse di rete forniti dal docente al termine delle singole lezioni.

AMBIT	50444-Formazione interdisciplinare
INDIVIDUAL STUDY (Hrs)	30
COURSE ACTIVITY (Hrs)	20

EDUCATIONAL OBJECTIVES OF THE MODULE

Aim of the module is to provide students with the preliminary knowledge about the dental technologies (instrumental and not) that are useful for diagnosis and for follow up of oral diseases. In addition, the student will acquire the ability to assess in terms of the appropriateness which instrumental and/or not techniques for the management of oral diseases.

SYLLABUS

Hrs	Frontal teaching
2	Diagnostic tests in Oral Medicine. Specificity and sensitivity
5	Invasive and non-invasive methods <ul style="list-style-type: none"> • Samples for microbiological cultures • Cytological examination • Biopsy • Saliva test • Serological tests
5	Additional methods <ul style="list-style-type: none"> • Brush Biopsy • Toluidine Blue • Lugol Solution • Chemiluminescence (Vizilite®) • Direct tissue fluorescence (Sapphire ®) • LLLT • Optical Coherence Tomography (OCT)
4	Instrumental tests for halitosis <ul style="list-style-type: none"> • Halimeter • Oral Chroma
2	Digital dental photography
2	Interpretation and reading of reports - Referral letter

MODULE
SPECIALIST ODONTOSTOMATOLOGICAL PATHOLOGY

Prof.ssa VERA PANZARELLA

SUGGESTED BIBLIOGRAPHY

Regezi Ja et al. - Patologia Orale Correlazioni clinico patologiche - Delfino Editore; 7a edizione
 Arduino PG et al. - Testo atlante di Patologia gengivale non placca correlata - Edizioni Martina; 2a edizione
 Odel et al. Cawson's Essentials of Oral pathology and Oral medicine – 8th Edition, Churchill Livingstone
 Neville et al. – Oral & Maxillofacial Pathology – 4th edition, W.B. Saunders
 Ficarra G. - Manuale di patologia e medicina orale - McGraw-Hill Education; 3a edizione
 SIPMO - Patologia e Medicina Orale - Edra Edizioni; 2022
 Articoli scientifici e risorse di rete forniti dal docente al termine delle singole lezioni.

AMBIT	50448-Discipline odontoiatriche e radiologiche
INDIVIDUAL STUDY (Hrs)	90
COURSE ACTIVITY (Hrs)	60

EDUCATIONAL OBJECTIVES OF THE MODULE

Objective of the module is to provide the fundamentals about the physiological features of the oral mucosa and the main disorders of hard and soft tissues, including salivary glands.
 Furthermore, the student will acquire the ability to associate any oral manifestations to main systemic diseases and to perform a correct diagnosis and prevention of oral pathologies.

SYLLABUS

Hrs	Frontal teaching
12	Topography of the oral cavity. Features of the normal oral mucosa. Elementary lesions (chromatic, morphological and etiological classification). Diagnostic algorithms: clinical diagnosis methods
12	White and red lesions. Pigmented lesions. Exophytic and endophytic lesions.
4	Immunological mucocutaneous disorders. Oro-facial Granulomatosis.
6	Potentially malignant disorders of the oral cavity. Oral cancer: epidemiology, etiology and clinical manifestations.
7	Oral manifestations of systemic diseases. Cheilitis. Drugs adverse reactions.
4	Pathologies of the salivary glands.
5	Pathology of the third molar. Bone lesions: cysts, odontogenic tumors, osteitis, osteomyelitis.
5	Drug related Osteonecrosis of the jaws.
5	Craniofacial pain and oral dysesthesia. Burning Mouth Syndrome. Halitosis.