



Department of Biomedical and Dental Science
Morphological and Functional Images
Dental School

Integrated Course of Oral medicine and Dermatology
Oral Pathology Teaching

TRAINING OBJECTIVES: Give to the student the methodological basis necessary for the treatment of patients affected by hard and soft tissue pathologies of the oral cavity. Let the student know the aetio-pathogenetic mechanisms and the clinico-pathologic features of the main hard and soft tissue pathologies of the oral cavity (infective, inflammatory, immune-mediated and oncological pathologies). To give to the student the basic principles for the diagnosis and differential diagnosis of the main hard and soft tissue pathologies of the oral cavity (clinical lesions, histology, instrumental investigations). To teach the student the therapeutical basic principles and the treatment of the main hard and soft tissue pathologies of the oral cavity, as well as new therapy options. Regarding the expected learning outcomes, at the end of teaching activities, the student should:

- Be able to know the methodology for the diagnosis of the main hard and soft tissue pathologies of the oral cavity, including differential diagnosis capacity
- Be able to approach from a therapeutical point of view the main hard and soft tissue pathologies of the oral cavity

DIDACTIC METHODS: The course consists of lectures integrated by images, case reports and analysis of the most recent data of international scientific literature; this in order to create a critical capacity about the topics treated and give the most recent research evidences about oral medicine. In itinere learning verification will be performed through clinical case discussion. Profit test consists in an oral interview with an average of 2 questions on various topics (20 minutes). Will be assessed the clarity, the propriety of language, the ability to link, rigor and communication skill.

PRE-REQUISITES: The student should have basic knowledge of Histology, Anatomy and Physiology with particular focus on the skin structures and on the hard and soft tissue of the oral cavity. Students should know Biochemistry, Microbiology, Pharmacology and Human Pathology principles

RECOMMENDED TEXTS

- ⚙ "Manuale di Patologia e Medicina Orale" G. Ficarra, Ed. McGraw-Hill
- ⚙ "Patologia orale" Cawson's et al., Antonio Delfino Editore
- ⚙ "Patologia Orale. Correlazioni Clinico Patologiche" Regezi-Sciubba-Jordan 4° Edizione, Antonio Delfino Editore

DIDACTIC PROGRAMM

EM BIOLOGY, ANATOMY OF ISTOLOGY OF ORAL CAVITY

- ⊗ Embiogenesis of oro-facial structures
- ⊗ Odontogenesis
- ⊗ Anatomy and Istology of oral mucosa
- ⊗ Anatomy and Istology of salivary glands
- ⊗ Maxillary bones
- ⊗ Parodontal tissues
- ⊗ Periferical Nerves
- ⊗ Immune system

DISEMBRIOGENETIC ALTERATIONS OF ORAL MUCOSA

- ⊗ Fordyce's granules
- ⊗ Leucoedema
- ⊗ White nevus
- ⊗ Scrotal tongue
- ⊗ White and black hairy tongue
- ⊗ Geographic map tongue
- ⊗ Lingual fimbriae hyperplasia
- ⊗ Labial pits
- ⊗ Macroglossia
- ⊗ Microglossia
- ⊗ Anchioglossia
- ⊗ Lingual Thyroid
- ⊗ Gingival papules
- ⊗ Bone exostosis
- ⊗ Mandibular and palatal torus
- ⊗ Stafne defect
- ⊗ Neonatal palatal Cysts
- ⊗ Oral dermoid Cysts
- ⊗ Tireoglossus Cysts
- ⊗ Brachial Cysts
- ⊗ Oral linfo-epithelial Cysts
- ⊗ Eagle syndrome

ORAL MUCOSA AUTOIMMUNE PATHOLOGIES

- ⊗ Recurrent aphthous syndrome
- ⊗ Bechet syndrome
- ⊗ Oral Lichen Planus
- ⊗ Chronic Ulcerative Stomatitis
- ⊗ Graft vs Host Disease (GVHD)
- ⊗ Multiform Erythema

- ⊗ Vulgar Oral Pemphigus
- ⊗ Paraneoplastic Pemphigus
- ⊗ Mucous Membranes Pemphigoids
- ⊗ Lupus Erythematosus

MAXILLARY BONES NEOFORMATIVE DISEASES

ODONTOGENIC CYSTS

INFLAMMATORY

- ⊗ Radicular cysts
- ⊗ Lateral Parodontal cysts
- ⊗ Residual cysts

DISEMBRIOGENETIC

- ⊗ Adult Gingival Cysts
- ⊗ Pediatric Gingival Cysts
- ⊗ Follicular Cysts
- ⊗ Eruptive Cysts
- ⊗ Dental Cheratocysts
- ⊗ Dental Glandular Cysts
- ⊗ Dental Calcific Cysts

NON ODONTOGENOUS

- ⊗ Naso-Palatal Cysts
- ⊗ Naso-labial Cysts
- ⊗ Globulo-Maxillary Lesion
- ⊗ Median Mandibular Cysts

NEOPLASTIC CYSTS

- ⊗ Dental Cheratocystic Cancer (KCOT)

PSEUDOCYSTS

- ⊗ Bone Cyst
- ⊗ Aneurismatic Cyst
- ⊗ Stafne Cyst

MAXILLARY BONES DISEASES

- ⊗ Acute Periapical Periodontitis
- ⊗ Chronic Periapical Periodontitis
- ⊗ Acute and Chronic Osteitis
- ⊗ Acute and Chronic Osteomyelitis
- ⊗ Post-extractive Alveolitis
- ⊗ Bisphosphonate Related Osteonecrosis of the Jaw (BRONJ)
- ⊗ Maxillary Fibro-osseous diseases

PRE-CANCEROUS AND NEOPLASTIC LESIONS OF ORAL MUCOSA

- ⊗ Leukoplakia
- ⊗ Eritroplakia
- ⊗ Squamocell. Carcinoma
- ⊗ Basocell. Carcinoma

ODONTOGENOUS CANCER

- ⊗ Epithelial → Ameloblastoma,
Calcific Epithelial Cancer
Adenomatoid Tum.
Squamous Tum.
Clear Cell. Tum.
- ⊗ Mesenchymal → Mixoma
Fibroma
Cementoblastoma
- ⊗ Mixed → Ameloblastic Fibroma and Fibro-Odontoma
Odontomas

NON ODONTOGENOUS TUMORS

BENIGN

- ⊗ Osteoma
- ⊗ Osteoblastoma
- ⊗ Condroma
- ⊗ Intraosseous Hemangioma
- ⊗ Desmoplastic Fibroma

MALIGNANT

- ⊗ Osteosarcoma
- ⊗ Fibrosarcoma
- ⊗ Chondrosarcoma
- ⊗ Ewing's Sarcoma
- ⊗ Multiple Myeloma
- ⊗ Metastases

SALIVARY GLANDS DISEASE

- ⊗ Mucocele
- ⊗ Mucous retention cysts
- ⊗ Ranula
- ⊗ Sialolithiasis

- ⊗ Sialoadenitidi
- ⊗ Sjogren's Disease
- ⊗ Benign Tumors
- ⊗ Malignant Tumors

BURNING MOUTH SYNDROME

SOFT TISSUES TUMORS

BENIGNI

- ⊗ Hemangioma
- ⊗ Sturge-Weber Syndrome
- ⊗ Oral Varicose Vein
- ⊗ Rendu-Osler-Weber Syndrome
- ⊗ Lymphangioma
- ⊗ Lipoma
- ⊗ Congenital Epulidid
- ⊗ Neuroma
- ⊗ Schwannoma
- ⊗ Neurofibroma
- ⊗ Von Recklinghausen Syndrome
- ⊗ Fibromatosis

MALIGNANT

- ⊗ Angiosarcoma
- ⊗ Kaposi's Sarcoma
- ⊗ Rhabdomyosarcoma
- ⊗ Liposarcoma

ORAL MUCOSA INFECTIONS

- ⊗ **Herpetic Virus**
Herpes Simplex 1-2, Virus della Varicella-Zoster, Virus di Epstein-Barr, Citomegalovirus, Virus HHV 6-7-8
- ⊗ **Coxsackie Virus**
Mouth-Hand-Feet Syndrome, Herpangina
- ⊗ **Human Papilloma Virus**
Squamous Papilloma, Vulgar Verruca, Condiloma, Heck Syndrome
- ⊗ **Bacterial Infection**
Actinomycosis, Tuberculosis, Gonorrhea, Syphilis, Noma
- ⊗ **Mycotic Infection**
Oral Candidosis
- ⊗ **HIV**
Oral lesions

ORAL SIDE EFFECTS OF ANTI-TUMORAL THERAPIES

- ⚙ Oral Mucositis
- ⚙ Xerostomia
- ⚙ Disgeusia
- ⚙ Disphagia
- ⚙ Oral Infections
- ⚙ Trisma
- ⚙ Gingival disorders
- ⚙ Dental Anomalies
- ⚙ Dental caries
- ⚙ Maxillary bone Osteo-radio-necrosis

CONTACTS: Prof. Marco Portelli Tel. 090-2216905 / e-mail: mportelli@unime.it Pad.
CLOPD 3rd Floor / **Reception Hours** Thursday 09.30 -12.30 a.m.