



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

Integrated Course of Occlusal Rehabilitation

Interceptive Orthodontics Teaching

OBIETTIVI FORMATIVI To learn cephalometric diagnosis of skeletal malocclusion both on sagittal, vertical and frontal plane. To acquire concepts of ortopedical and functional therapy , auxology and treatment timing. Provide the students with the basics of diagnosis and treatment of sagittal and transversal skeletal malocclusion, including therein TMJ development anomalies and post-traumatic disorders. To learn concepts about mouthbreathing and obstructive sleep apnea syndrome (OSAS) diagnosis and treatment.

DIDATTIC 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 Orthodontics. In itinere learning verification will be performed through clinical case discussion and treatment plan simulation. 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 Embriology, Istology, Anatomy and Physiology of Head and Neck district.

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.

Recommended Text:

- “Ortodonzia moderna” William R. Proffit, Henry W. Fields, David M. Sarver Edizioni Masson
- “Ortognatodonzia” Giampietro Farronato Edizioni Edi Ermes

DIDACTIC PROGRAMM

ORTHODONTIC DIAGNOSIS

- Postero-Anteriore Teleradiography
- Submentovertice Teleradiography
- Lateral Teleradiography
 - Radiographic Anatomy
Anatomical reference points: Nasion, Sellion, Porion, Orbitalis, Basion, Pterigoideo, Spina Nasale Anteriore e Posteriore, Punto A e B, Menton, Pogonion, Condilion, Articularis, Gonion, Gnation
 - Sagittal and Vertical referncemeasurement: SNA, SNB, ANB, Cranio-Mandibular angle, Cranio-Spinal angle, UI-NA angle, LI-NB angle, Naso-Labial angle, Sellar angle, Articular angle, Goniac angle, Witts Index, SOR-SNA/SNA-Menton

ORTOPEDIA FUNZIONALE DEI MASCELLARI

- Definition
- Principles
- Moss' functional Matrix theory
- Tretament Timing
- Auxology

SKELETAL CLASS II MALOCCLUSIONS

- Definition
- Ortopedic and Functional therapy principles
- Mandibular Activator
- Andresen Apparatus
- Bionator of Balters
- Activator of Teuscher
- Activator of Frankel di II Classe
- Twin-Block
- No-Compliance devices: Herbst
 Pro-Slider
 Jusper-Jumper
- Clinical Cases

SKELETAL CLASS III MALOCCLUSIONS

- Definition
- Orthopedic and Functional therapy principles
- Treatment Protocol
 - Maxillary Expansion
 - Delaire's Facial Mask
 - Retraction Activators
- Prognostic features
- Clinical Cases

MALOCCLUSION ON FRONTAL PLANE

- Definition and characteristics
- Facial asymmetry classification
 - QUAD-ELIX
 - PALATAL EXPANDER
- Facial Microsomy
- Condilar Hyperplasia
 - Condilar fractures
- Clinical Cases

MOUTH BREATHING SINDROME

- Definition
- Aethiology
- Patogenesis
- Diagnosis
- Treatment
- Clinical cases

OBSTRUCTIVE SLEEP APNEA SINDROME (OSAS)

- Definition
- Aethiology
- Patogenesis
- Diagnosis
- Treatment
- Clinical cases