



M A S T E R
**in Digital Orthodontics
and Clear Aligner Therapy**

at University of Naples Federico II

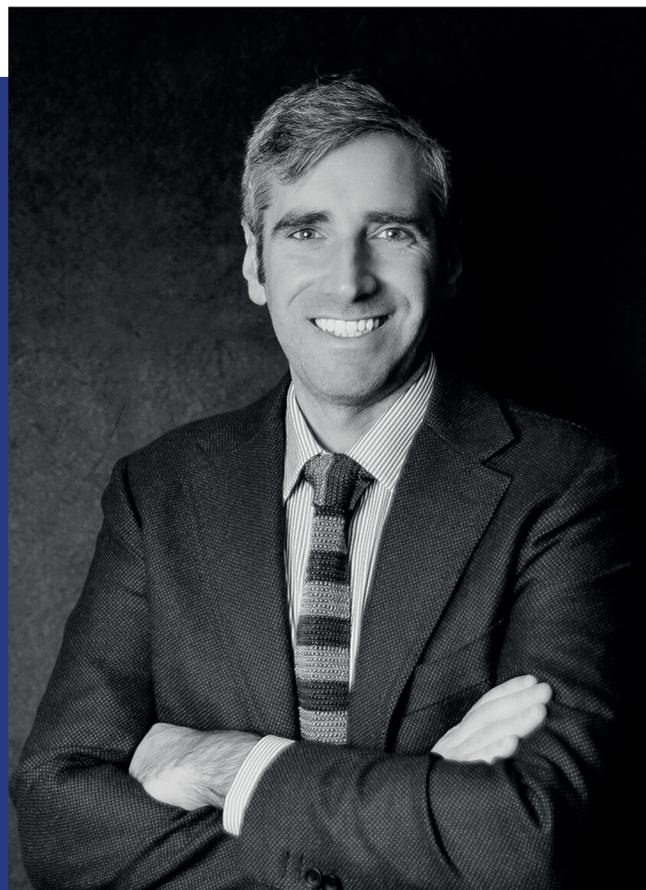
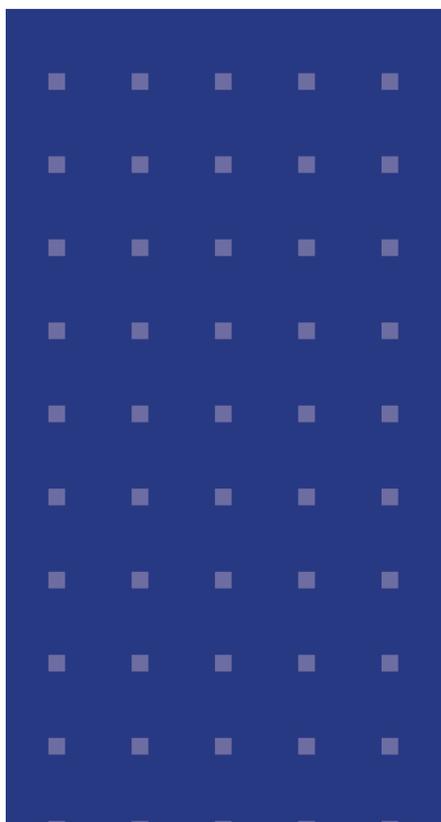


University of Naples "Federico II"
Master New Clinical Approaches in
Contemporary Orthodontics
Coordinator: Prof. Vincenzo D'Antò



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M A S T E R



Digital Orthodontics and Clear Aligner Therapy

The Master will provide an overview of contemporary treatment approaches to all orthodontic problems from simple to complex malocclusions.

Teaching:

Blended learning on site and on line.

Lead By:

Prof. Vincenzo D'Antò and the team

Date:

On-site: October 5–7, 2026 (with the possibility of combining this with the SIDO Congress in Turin) and a second session in Spring or Summer 2027.

On-line Every second Wednesday from October 21, 2026, until May 19, 2027. Except 30 of December.

Topics

Basis

▶ Data typology

- *2D images
- pixel
- *3D images
- stl
- voxel

▶ Records

- X-rays
- Intraoral scanners
- Facial scanners
- Images vs video
- TMJ study

▶ 3D printing

- Printers
- Slicing
- Curing e post curing

▶ Data management Artificial intelligence in orthodontics

- Basics
- Growth prediction
- Computer vision

Topics

Clinical applications

▶ **Diagnosis**

- 2D Cefalometrics
- 3D Cefalometrics
- 3D rendering from CBCT (segmentation)
- Virtual models
- Image archives
- 3D articulator
- Digital set-up, VTO
- Complete virtual patient

▶ **Orthopaedic appliances in Transverse, Vertical and Sagittal Malocclusions**

- Registration bite
- Milled appliances
- Printed appliances
- Hybrid appliances
- In office, In lab or half way
- Configurators

▶ **Clear Aligner Therapy in Transverse, Vertical and Sagittal Malocclusions**

- Digital workflow
- Growing vs adult patients
- Protocol for different malocclusions
- Dentoalveolar asymmetries
- Patient management and monitoring

Topics

Clinical applications

▶ Labial fixed orthodontics in Transverse, Vertical and Sagittal Malocclusions

- Digital indirect bonding
- 3D bite plate and bite turbos
- Monitorinh
- Biomechanics
- Augmented reality
- Customized brackets

▶ Lingual fixed orthodontics

▶ TADs

- ***Planning**
- Biological principles and digital planning
- ***Surgical guides**
- In office vs In lab
- meet at the half way
- ***Appliances**
- In office vs In lab
- Meet at the half way
- ***Biomechanics**
- ***Surgical aspects**

▶ Complex biomechanics

▶ Management of impacted teeth

▶ Management of dental anomalies

Topics

Clinical applications

▶ **Interdisciplinary treatment**

- Ortho and Prosto
- Ortho and Perio
- Ortho in TMD patients

▶ **Orthognatic surgery**

- Digital Treatment Planning
- Interdisciplinary communication
- Patient Involvement
- Surgical Guide and Splint Fabrication
- Pre-Surgical Preparation
- Surgical Execution
- Post-Surgical Management
- Review and Quality Improvement

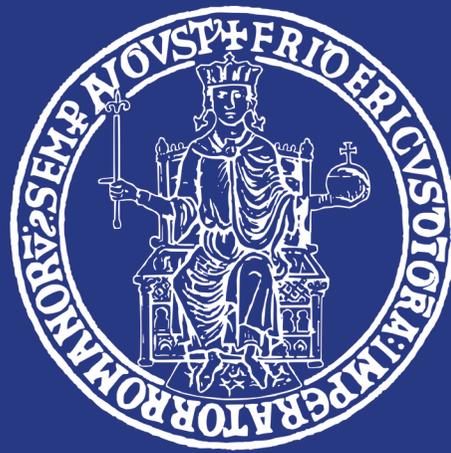
▶ **Finishing**

▶ **Retention**

▶ **Occlusal splints**

▶ **Orthodontics and temporomandibular disorders (TMD)**

- Introduction to TMD: classification and diagnosis
- Etiopathogenesis of TMD: the role of occlusion
- Psychosocial evaluation of the patient with TMD during orthodontic treatment: what is the correct approach?
- TMD therapy: an overview



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