



POSTGRADO EN
ODONTOLOGÍA

CLÍNICA
UNIVERSITARIA



UCAM

UNIVERSIDAD CATÓLICA
SAN ANTONIO

MASTER OF

SCIENCE IN ORTHODONTICS

HEADQUARTERS SPAIN - NETHERLANDS





Master of science in Orthodontics

Training dentists who can face, with guarantees and quality, any malocclusion through the application of current criteria and knowledge.

- Provide the student with the necessary knowledge to practice the specialty of orthodontics and dentofacial orthopedics.

- Knowing the Orthodontic and Dentofacial Orthopedics appliances, the traditional mechanical systems and the Self-ligating mechanical systems.

- Prepare protocols for the treatment and prevention of malocclusion based on the previously explained diagnosis and equipment.

- Learn retention protocols once orthodontic treatments are completed.

Headquarters:

Spain - Netherlands

Modality:

Presential and Online

Certification ECTS:

Master: 120



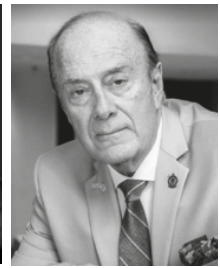
Peri Colino



Luis Carriere



William J. Clark



Bernardo García



Bart Alink



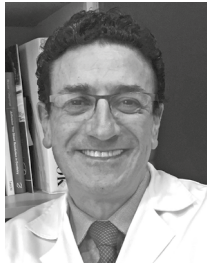
Alfonso Alvarado



Mario Alvarado



Jan Cleyndert



Félix de Carlos



Ramón Domínguez



Isabel Drewling



Manuel Fernández



Pablo Fernández



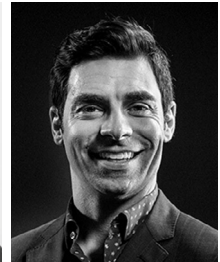
Jhonny León



Pedro Mayoral



Martín Pedernera



Bruno Pereira

**Fa
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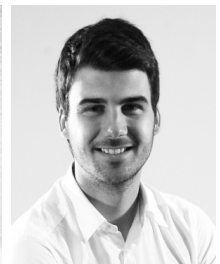
Cristina Rizea



Nuno Sousa



Nico Van der Werff



Jordi Vilarrasa



FIRST ACADEMIC YEAR (45 ECTS)

34 face-to-face ECTS theory credits
11 Online credits

THEORY LECTURES (34 ECTS)

M1: 20 - 26 OF SEPTEMBER 2021 (SPAIN)

- Three-dimensional diagnosis: physical models and virtual models.
- Orthopaedic appliances.
- Fixed appliances.
- Introduction into research methodology.
- Anthropological and cephalometric concepts.
- Lateral cephalometry.

M2: 17 - 23 OF JANUARY 2022 (NETHERLANDS)

- Digital flow, orthodontics and 3D printing.
- Brackets placement and bonding.
- Indirect bonding.
- Biological and biomechanical concepts / historical concepts of orthodontic mechanics.
- Wire bending.
- Foundations of mechanics.

M3: 16 - 22 OF MAY 2022 (NETHERLANDS)

- Conventional / characteristics of archwires used in orthodontics.
- Mandibular biodynamics and TMJ dysfunction.
- Photography in orthodontics.
- Importance of timing in patient treatment.
- Growth and ageing.
- Adhesion in orthodontics.
- Bonding and debonding protocols.

ONLINE (11 ECTS)

- Evidence-based orthodontics.
- Cone beam computed tomography (CBCT) technology and its applications in orthodontics and dental sleep medicine.
- Preventive orthodontics.
- Digital photography applied to clinical practice in orthodontics.



SECOND ACADEMIC YEAR (45 ECTS)

34 face-to-face ECTS theory credits
11 Online credits

THEORY LECTURES (34 ECTS)

M4: 19 - 25 OF SEPTEMBER 2022 (SPAIN)

- Mounting on articulator.
- Research on adherence.
- Invisible orthodontics.
- Class I treatment protocols and archwire sequence.
- Management of maxillary deficiencies.

M5: 23 - 29 OF JANUARY 2023 (NETHERLANDS)

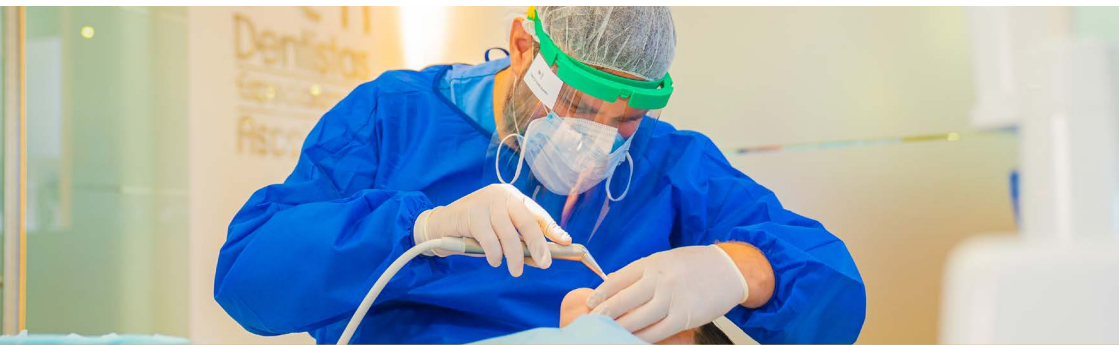
- Sagittal treatment.
- Vertical control.
- Self-ligating treatment protocols I and II.
- Overbite control.
- Importance of the anterior guidance / canine guidance in mandibular Biodynamics.
- TMJ dysfunction / importance of medical history.

M6: 15 - 21 OF MAY 2023 (NETHERLANDS)

- TMJ signs and symptoms.
- Treatment of digital models.
- Carriere® system from A to Z.
- Mini screws in orthodontics.
- Carriere® Motion Appliance in children.
- Lingual orthodontics.
- Orthodontic and orthognathic surgery.

ONLINE (11 ECTS)

- Enamel-bracket adhesive efficiency evaluation method under shear strength test.
- Clinical Management in "The Cloud".
- DSD and aesthetic case treatment planning.
- Analysis of models.



THIRD ACADEMIC YEAR (30 ECTS)

10 face-to-face ECTS theory credits

15 Online credits

5 MT credits

THEORY LECTURES (24 ECTS)

M7: 21 - 28 OF JANUARY 2024 (NETHERLANDS)

- Invisible orthodontics treatment protocols.
- Class II malocclusion treatment plan using aligners. A new approach.
- Treatment protocols with invisible orthodontics.
- Detailing and finishing in orthodontics, the secret of success.

M8: 22 - 28 OF SEPTEMBER 2024 (SPAIN)

- Periodontics and Orthodontics.
- Prosthodontics and Orthodontics.
- Aesthetics and Orthodontics.
- Retention protocols.

ONLINE (24 ECTS)

- Treatment of digital models.
- Indirect bonding.
- Incisors and facial aesthetics.
- Impacted maxillary canines.
- Orthopaedic and functional treatment

of skeletal class II: TWIN-BLOCK. Design, handling and its modifications.

- Orthodontic treatment in patients with rare diseases.
- Treatment of Obstructive Sleep Apnea Syndrome: new approaches.
- The transversal problem: a paradigm shift.
- Three-dimensional cephalometric diagnosis: transverse and airway anomalies.
- Periodontics and Orthodontics: United by Biology.
- Debonding of Orthodontic Appliances and Removal of Remaining Adhesive. Keys to prevent and treat enamel alterations.
- Indirect digital cementation, planning, design and impression of splints.
- Surgical guides in orthodontics, guide planning, design and printing.

FMP - FINAL MASTER'S PROJECT (5 ECTS)

- Planning and conducting Master thesis.
- Master thesis tutoring.
- Master thesis Exhibition.



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