

SCIENCE IN ORTHODONTICS

VENUES: MALAGA, MURCIA AND THE NETHERLANDS



Double Tree by Hilton Royal Parc Soestduinen



Master of Science in Orthodontics

Training dentists, so they can treat, with guaranteed outcome and high quality of result, any malocclusion by applying state of the art, approved orthodontic criteria and knowledge.

Providing the student with the required knowledge and expertise to practice the specialization of orthodontics and dentofacial orthopedics.

Acquiring knowledge of orthodontic and dentofacial appliances, the traditional mechanical systems, and the Self-ligating mechanical systems.

Learning to plan adequate protocols for orthodontic treatment and prevention of malocclusions, based on previously instructed diagnostics and appliances.

Learning retention protocols after orthodontic treatment.

Objectives

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.

Venue:

Malaga, Murcia and The Netherlands

Modality:

Presential and Online

Certification ECTS: Master 120

Faculty



Peri Colino



Luis Carriere



William J. Clark



Bernardo Garcia



Bart Alink



Alfonso Alvarado



Mario Alvarado



Miguel González



Hugo Baptista



Ana Cantor



Jan Cleyndert



Félix de Carlos



Nuno Sousa



Enrique Jiménez



Manuel Fernández



Pablo Fernández



Jhonny León



Pedro Mayoral



Martín Pedernera



Bruno Pereira



Cristina Rizea



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: 19th – 24 th of September 2022 (Spain)

- Three-dimensional diagnosis: physical models and virtual models.
- Hands-on, Cast analysis.
- Basis of orthopaedic.
- Orthopaedic appliances.
- How to manage the “First Phase” of a treatment.
- Elements that make up Fixed Orthodontic.
- Fixed appliances.
- Introduction to Aligners.
- Anthropological and cephalometric concepts.
- Lateral cephalometry Mcnamara analysis.
- Lateral cephalometry Steiner and Ricketts.
- Hands-on (Cephalometry).
- Introduction into research methodology.
- Hands-on (Research).

M2: 23rd – 28th of January 2023 (The Netherlands)

- Class II Diagnosis, Growth, Therapy and Retention.
 - Historical concepts of orthodontic mechanics
- CLASS II
- Brackets placement and bonding.
 - Hands-on (Brackets placement) Attachments Bonding, Tips, and tricks.
 - Indirect bonding, advantages, and disadvantages.
 - Aligners Biomechanic.
 - Clin Check reviews (Live).
 - Digital flow, orthodontics, and 3D printing.

- Digital treatment Planning.
- Hands-on (Digital Workflow).
- Properties of Wires in orthodontics.
- Wire vending.
- Hands-On (Wire bending).
- Foundations of mechanics.
- Sagittal first Concept.

M3: 15th – 20th of May 2023 (the Netherlands)

- Photography in orthodontics.
- Hands-on (Professional photography).
- Mandibular biodynamics and TMJ dysfunction.
- Class III Diagnosis, Growth, Therapy, and Retention.
- Conventional / characteristics of archwires used in orthodontics.
- Importance of timing in patient treatment- Growth and ageing.
- Class II and Class III therapy depending on cervical vertebrae maturation.
- Management of digital technology in orthodontics.
- Adhesion in orthodontics.
- Bonding and debonding protocols.
- Mounting on articulator.
- Digital programs: Meshmixer/ Anatomage (Practice).

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: 02nd – 07th of October 2023 (Spain)

- Class I treatment protocols.
- Arch wire sequence.
- Obstructive Sleep Apnea.
- Transversal Diagnosis.
- Management of maxillary deficiencies.
- Extractions Vs Disjunction.
- Invisible Orthodontics.
- ClinCheck Review.
- Case Presentation.
- How to use Keynote.
- Appointment Timing.
- Office Management.

M5: 22nd – 27th of January 2024 (The Netherlands)

- Sagittal First.
- Self-ligating treatment.
- Class I, II and III protocol.
- Maxillary deficiency.
- MARPE
- Interdisciplinary orthodontics.
- Tips and tricks in Class II patients.
- Tips and Tricks in Class III patients.
- Oclusal Rehabilitation.
- Orthodontic and Prosthetic Treatments.

M6: 22nd – 27th of April 2024 (The Netherlands)

- Obstructive Sleep Apnea.
- Diagnosis.
- Treatment Protocol.
- Periodontics and Orthodontics.
- Multidisciplinary Patients.
- Management of orthognathic surgery.
- Mini screws in orthodontics.
- How to use Mini screws in your daily practice.
- Lingual orthodontics vs Aligners.
- Orthognathic surgery Patients.

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.



THIRD ACADEMIC YEAR (30 ECTS)

10 face-to-face ECTS theory credits

15 Online credits

5 MT credits

Theory Lectures (24 ECTS)

M7: 20th – 25th of January 2025 (the Netherlands)

- Invisible orthodontics treatment protocols- Part I.
- Class II malocclusion treatment plan using aligners. A new approach.
- Treatment protocols with invisible orthodontics- Part II.
- Carriere® system from A to Z.
- Detailing and finishing in orthodontics, Aesthetics Solutions.
- Treatment protocols with invisible orthodontics- Part III.

M8: 29th of September – 04th of October 2025 (Spain)

- FMW & case Presentation.

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.



CONTACT

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