



AO AMERICAN
ORTHODONTICS

Digital Orthodontics v4.0

JULY 2025 - DECEMBER 2025
GIRONA

DR. IGNACIO ARCOS



DR. IGNACIO ARCOS PALOMINO

- . Doctor of Medicine and Research. University of Barcelona.
- . Bachelor's Degree in Dentistry from the University of Barcelona.
- . Official Master's Degree in Orthodontics and Dentofacial Orthopedics. European University of Madrid.
- . Mini Residency in Orthodontics. Yonsei University, Seoul National University (South Korea).
- . University Diploma in Dental Aesthetics. Complutense University of Madrid. Self-titled.
- . Associate Professor in the Department of Orthodontics and Dentofacial Orthopedics at the International University of Catalonia (UIC).
- . Author of numerous articles at the national and international level.
- . Speaker at various national and international courses and congresses (SEDO, SPO, TOS, AMO, SCO...).



TUESDAY, JULY 8**9:30 - 11:00 AM**

Welcome and explanation of the course methodology. Introduction to Digital Orthodontics.
Description and handling Hardware and Software for obtaining and processing digital records.

11:00 - 11:30 AM

Coffee break

11:30 AM - 1:30 PM

Medical computer language: open and closed files (.STL, .PLY, .OBJ, .DCM, .3DS, .XYZ, etc.).
Tour of Open and Closed Software: 3Shape OrthoSystem, 3Shape Clear Aligner Studio, ArchForm, Exocad, Maestro 3D, OnyxCeph, In Vivo, Nemotec, MeshMixer, MeshLab, Blue Sky Bio, Blenderfordental, Dolphin 3D. 3D printers for orthodontics. Types and characteristics. Uses and functions.

1:30 - 3:30 PM

Lunch

3:30 - 5:00 PM

Processing our own digital records using 3Shape OrthoSystem software.

5:00 - 7:00 PM

Digital diagnosis using the 3Shape OrthoSystem. Presentation of the OrthoSystem suite.

7:00 - 7:30 PM

Coffee break

7:30 - 8:00 PM

Virtual articulator. Operating principles. Necessary records for case mounting.
Methods for mounting a case.

WEDNESDAY, JULY 9

9:30 - 1:30 PM

Mounting a case on a Virtual Articulator using open software: Blenderfordental, MeshMixer.
Mounting on a Virtual Articulator our case using closed software: 3Shape OrthoSystem.

1:30 - 3:30 PM

Lunch

3:30 - 5:00 PM

3D facial diagnosis. Measurements in Stereophotogrammetry. 3D skeletal diagnosis.
3D Cephalometry. Software used: Anatomage In-vivo.
3D dental diagnosis. Software used: 3Shape OrthoSystem.

5:00 - 5:30 PM

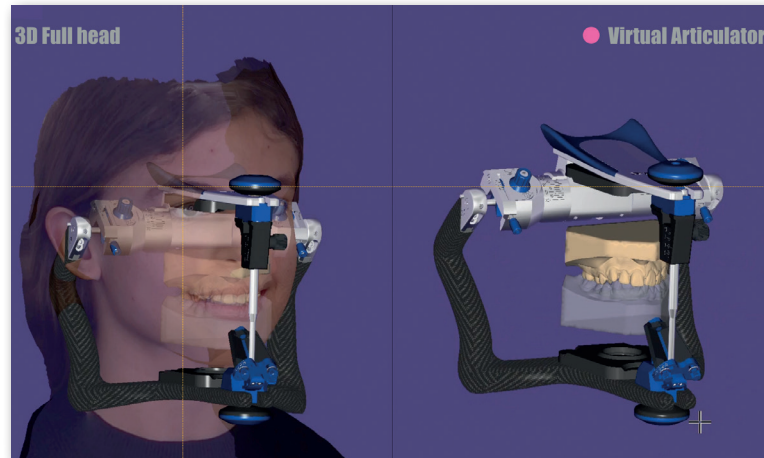
Coffee break

5:30 - 8:00 PM

Digital Set-Up using open software:
ArchForm and Blue Sky Bio..

9:00 PM

Working Dinner



THURSDAY, JULY 10**9:30 - 11:00 PM**

Digital Set-Up using 3Shape OrthoSystem.

11:00 - 11:30 AM

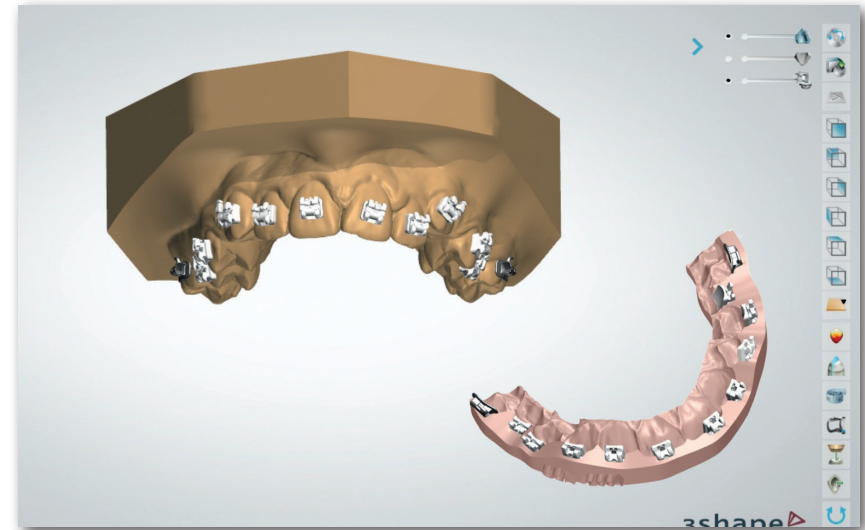
Coffee break

11:30 AM - 1:30 PMHybrid Treatments. When, How, and Why?
PowerBar and PowerScope2 devices.**1:30 - 3:30 PM**

Lunch

3:30 - 7:30 PM (30-minute coffee break)

Virtual Set-Up practice on our orthodontic patient.



FRIDAY, JULY 11

9:30 AM - 1:30 PM

Patient practice for hybrid treatment. Clinical cases.

1:300 - 3:30 PM

Lunch

AFTERNOON

Tour of Girona. Dinner at the restaurant "Normal" by the Roca Brothers
(*Michelin Guide Restaurant*)



MODULE II

TUESDAY, DECEMBER 9

9:30 - 11: AM

Orthodontic Anchorage using Miniscrews. Types and locations of miniscrews in orthodontics: interradicular, infrazigomatic, mandibular oblique line, MARPE, and transalveolar miniscrews. Customization of miniscrews and abutments.

11:00 - 11:30 AM

Coffee break

11:30 AM - 2:00 PM

Digital planning for miniscrews placement using Blue Sky Bio software.

2:00 - 3:30 PM

Lunch

3:30 - 5:00 PM

Guided surgery for miniscrews in orthodontics: MARPE, IZC, BS.

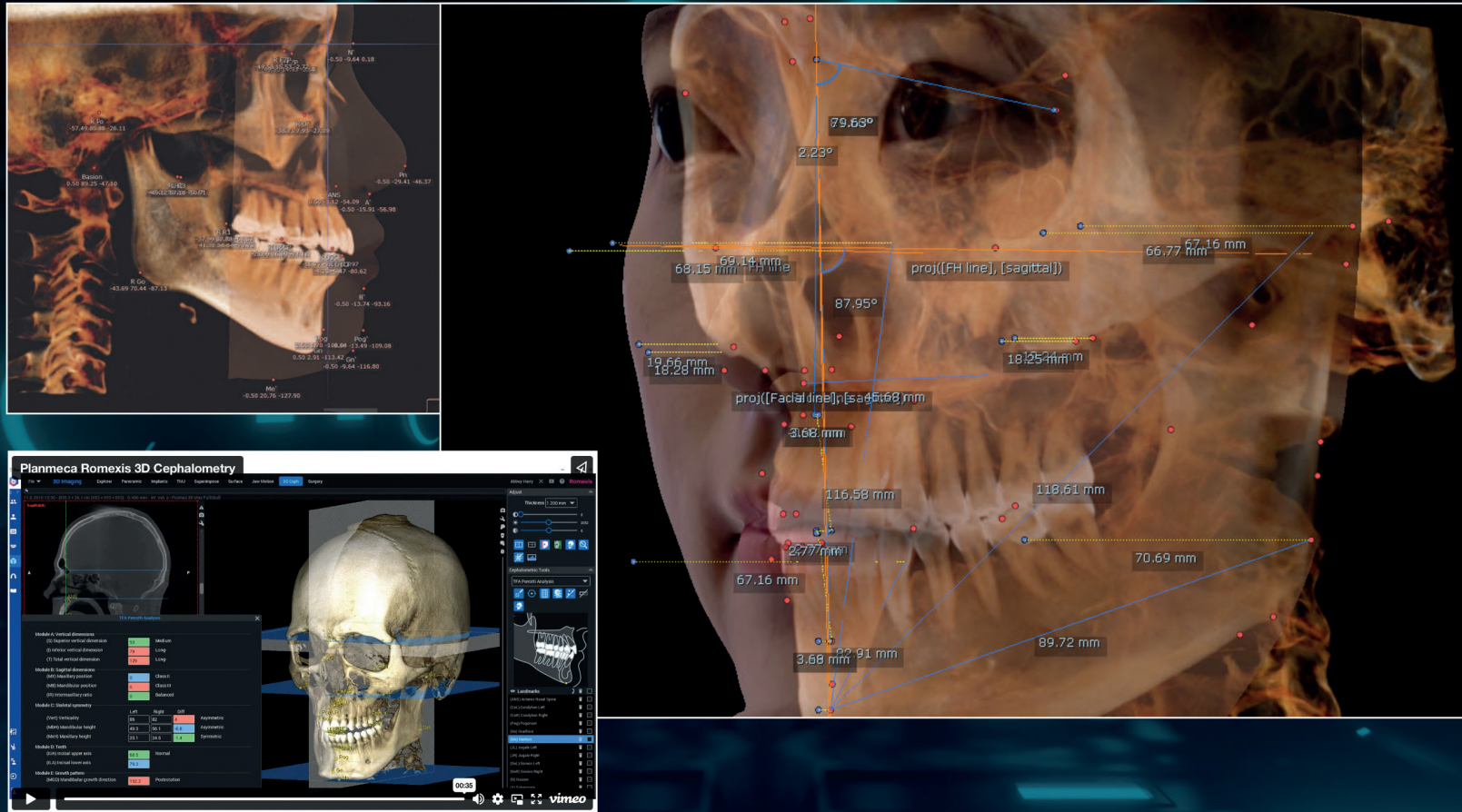
Guided surgery system protocols for miniscrews using MICRODENT universal guided surgery kit. Compatible with many miniscrews brands.

5:00 - 7:30 PM (30-minute coffee break)

Guides construction and printing using a 3D printer



DECEMBER 9 - 12



GIRONA, JULY - DECEMBER 2025

WEDNESDAY, DECEMBER 10

9:30 AM - 2:00 PM (30-minute coffee break)

MARPE: direct system vs indirect system. Demonstration on patient.

2:00 - 3:30 PM

Lunch

3:30 - 7:30 PM (30-minute coffee break)

Practice of placement of miniscrews on phantoms for direct MARPE.

Practice of placement using guides for indirect MARPE system.

Practice of placement using guides for IZC and BS miniscrews.

8:30 PM Working Dinner



THURSDAY, DECEMBER 11

9:30 - 11:00 AM

IDB: Digital Indirect Bonding.

11:00 - 11:30 AM

Coffee break

11:30 AM - 2:00 PM

Digital production using OrthoSystem software and subsequent printing of our transfer tray for IDB.
Types of printers and resins used.

2:00 - 2:30 PM

Lunch

2:30 - 5:00 PM

Practice of Digital Indirect Bonding on models. Demonstration on patient.

5:00 - 7:30 PM (30-minute coffee break)

Aligners in-office.

Aligners do it yourself. When, How, and Why?

FRIDAY, DECEMBER 12

9:30 - 12:00 AM (30-minute coffee break)

Aligners do it yourself. Software used.

Open software: Archform and Blue Sky Bio.

Closed software: 3Shape Aligners. Practice on 3Shape Aligners software.

12:00 - 2:00 PM

Artificial Intelligence (AI) in digital Orthodontics.

Structures segmentation.

Overwriting our files STL, DCM, OBJ.

Volumetric measurements through Software and Apps.

2:00 - 3:30 PM

Lunch

AFTERNOON

Tour of Empordà Region with a visit to the Dalí Museum and dinner at the "Castell de Peralada Restaurant" (Michelin Guide Restaurant)



THE MODULAR COURSE INCLUDES:

- 2 in-person theoretical-practical modules.
- 4 Webinars (between modules).
- Laptop computer - Dell or similar, valued at \$2,750 (touchscreen, Intel i7 processor, 4GB graphics card, 16 GB RAM, 512GB SSD). The computer will be owned by the participant during and upon completion of the course. It will have the following software installed:
 - Open Software: ArchForm, MeshMixer, Blenderfordental, Fusion 360, and Blue Sky Bio.
 - Closed Software: Active license of 3Shape OrthoSystem software for the duration of the course.
- Hotel accommodation included (5 nights from Monday to Saturday) at Hotel Carlemany Girona or a similar hotel of the same category. Double room single use with breakfast included.
- Coffee breaks, all lunches, and working dinner on Wednesday, as well as a special dinner on Friday.
- Special tour on Friday afternoon.

*Option of traveling with a companion to be consulted.

*Excursions, hotel, or restaurants may be subject to last-minute changes beyond the organization's control.

In case of changes, similar alternatives within the same category will be sought.

Clínica Ortodòncia Dr. Arcos

especialitats dentals

Clínica Ortodòncia
Dr. Arcos



LOCATION

Orthodontic Clinic Doctor Arcos
C/ Impressors Oliva, 3 - Girona - Spain

DATES

Module 1: July 8 - 11
Module 2: December 9 -12

AVAILABLE SEATS: 12

INFORMATION AND RESERVATIONS

Dr. Arcos Clinic · Tel.+34 664 32 92 40 · info@ortodonciagirona.com

PRICE: 8.500€

Reservation: 3.000€

Second payment: 5.500€ before 25/06/2025

Optional: Financing for the second payment

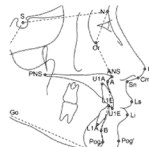
2.890€ before 25/06/2025

2.890€ before 10/11/2025



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