

**ADEMA+**  
Fundación

**ADEMA**  
Escuela Universitaria

**ENDODONTIC  
GENERAL  
TRAINING  
PROGRAM**

# Index



# Our DNA

The ADEMA University School is an official center, attached to the University of the Balearic Islands, and authorized by the Government of the Balearic Islands. It has 30 years of experience in teaching Health Sciences professions and has strong collaboration and links with the most important companies in the sector of the Islands and the promotion of entrepreneurship.

**Technology**

**Practice with patients**

**Scientific base**

The ADEMA University School trains health professionals with a great vocation for service and great interest in research and science. It has become an international benchmark for its innovative educational methodology and the application of new 3D virtual technologies and haptic and holographic simulators to teaching.

## What will you learn here?

The Endodontic General Training Program of the ADEMA University School is a training that aims to provide students the theoretical and practical knowledge necessary to solve clinical cases from diagnosis to treatment, all with a correct planning and under a critical review of the existing scientific literature. Throughout the course, advanced technology in endodontics will be used, facilitating the student to perform quality and predictable treatments.



# Direction and teaching



## Dr. Thais Cristina Pereira

Dentistry degree in the Bauru School of Dentistry - University of São Paulo, Brazil.

Endodontics specialization at the Hospital of Rehabilitation of Craniofacial Anomalies – University of São Paulo, Brazil.

Master in Endodontics in Bauru School of Dentistry – University of São Paulo.

PhD by the University Medical Center Groningen and University of São Paulo.

Professor in charge of the Integrated Adult Clinic, Integrated Children's Clinic and Dental Materials disciplines of the University School of Dentistry ADEMA from the University of the Balearic Islands, Spain.

Professor of Endodontics of the University School of Dentistry ADEMA from the University of the Balearic Islands, Spain (since February/2020).

Posters and oral communications in international congresses.

Reviewer of the scientific journal Journal of Endodontics  
Author of 12 scientific publications in high impact factor journals.

Opinion leader ZARC4ENDO.

Clinical experience performing Endodontics in different practices from 2012 until now.



## Dr. Jorge Domínguez Pérez

Dentistry degree - University of Barcelona.

Master in Endodontics - University of Valencia.

Online Diploma in Dental Whitening Techniques - University of Valencia.

Professor responsible for the Endodontics Area at EUO-ADEMA UIB.

Collaborating professor of the subject Restorative Dentistry and Clinical Endodontics at EUO-ADEMA UIB.

Director of Institutional International Relations of EUO-ADEMA UIB.

Periapical Microsurgery Course (Drs. Juan Saavedra, Juan Mulero, Sebastián Ortolani). Alicante.

Laser Dentistry & Hands-On Course (ESIRO University Clinic). Barcelona.

Dentsply Maillefer Certified Trainer (Ballaugues-Switzerland).

Opinion Leader FKG Dentaire.

Collaborator of the Department of Endodontics and Dental Laser for Incotrading.

Member AEDE (Spanish Association of Endodontics).

Member AAE (American Association of Endodontics).

Posters and oral communications in national congresses.

Lecturer of national and international courses.

Lecturer of courses for the Servei de Salut of the Ministry of Health of the Balearic Islands.

Private practice in Endodontics with microscope.

# Calendar

## Sessions 2023/2024:

**1st:** June 8-9, 2023

**2nd:** September 21-22, 2023

**3rd:** October 19-20, 2023

**4th:** November 23-24, 2023

**5th:** December 14-15, 2023

**6th:** January 25-26, 2024

**7th:** February 22-23, 2024

**8th:** March 21-22, 2024

**9th:** April 25-26, 2024

**10th:** May 9-10, 2024

**Thursdays: 09:00 h - 15:00 h and 16:00 h - 20:00 h**  
**Fridays: 08:00 h - 15:00 h**





# Endodontic Training Session 1: Diagnosis in Endodontics

June 8-9/2023

## Subject 1. Endodontic biology

1. Histology and embryology of the tooth and its supporting tissues.
2. Pulp and periapical biology and pathophysiology.
3. Immunology of pulpal and periapical pathologies.
4. Microbiology of pulp infections and their periapical complications.

## Subject 2. Diagnostic in Endodontics

1. Clinical History.
2. Clinical evaluation in endodontics.
3. Diagnostic tests in endodontics.
4. Use and interpretation of CBCT images.
4. Emergencies in endodontics.



**Theoretical classes and pre-clinical practice**

Price per session:

**1.700 €**

# Endodontic Training Session 2: Biomechanical Preparation in Endodontics

September 21-22/2023

## Subject 3. Root canal treatment clinic

1. Preparation of the surgical field.
2. Anesthesia in endodontics.
3. Root canal anatomy applied to endodontics.
4. Isolation of the operating field.
5. Access cavity.
6. Root canals localization.
7. Determination of working length.



## Subject 4. Shaping and cleaning of the root canal system

1. Mechanical shaping of root canals. Physical bases of instrumental action.
2. Types of instruments and kinematics of use.
3. Instrumentation techniques.
4. Apical diameter.
5. Root canals chemical disinfection.
6. Root canals mechanical disinfection.
7. Complementary disinfection methods.
8. One visit vs multiple visits: use of medication between appointments.

Theoretical classes and pre-clinical practice **with patients**

Price per session:

**1.700 €**

# Endodontic Training Session 3: Obturation of the root canal system

October 19-20/2023

## Subject 5. Root canal filling

1. Objectives of root canal filling.
2. Root canal filling materials.
3. Calcium Silicate hydraulic sealers.
4. Root canal filling techniques.
5. Evaluation of prognosis in root canal treatments.



**Session with FKG in Switzerland**

*(Fly tickets from Palma and accommodations included in the price)\**

**Theoretical classes and pre-clinical practice**

Price per session:

**2.000 €**



# Endodontic Training Session 4: Magnification in Endodontics

November 23-24/2023

## Subject 6. Magnification in Endodontics

1. Introduction to the use of magnification in endodontics.
2. Magnifying glasses and microscopes.
3. Use of the surgical microscope.
4. Magnification and illumination.
5. Magnification in the different phases of treatment.

Theoretical classes and pre-clinical practice **with patients**

Price per session:

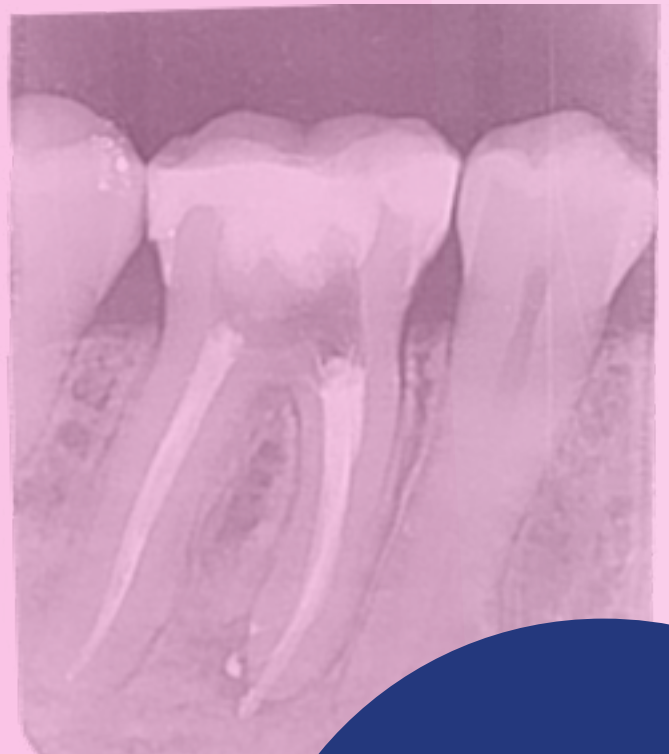
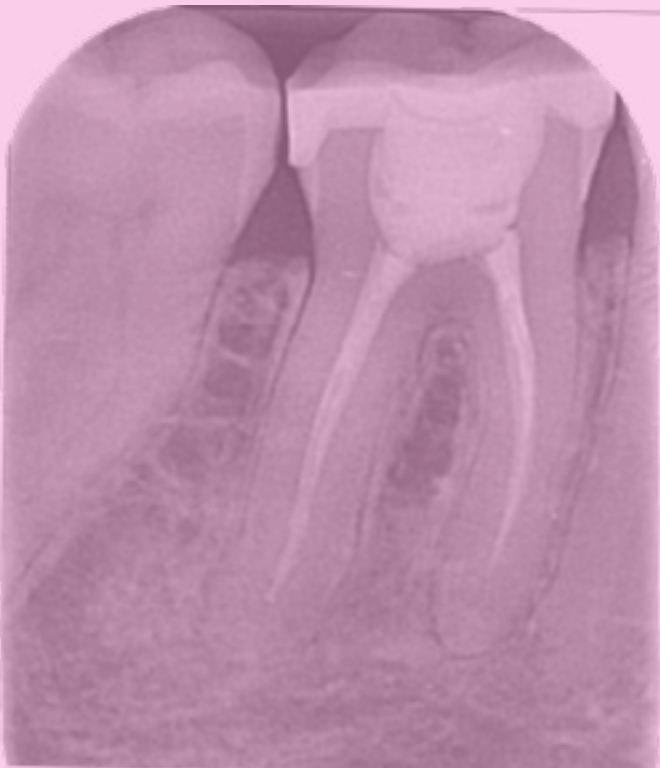
**1.700 €**

# Endodontic Training Session 5: Endodontic retreatment

December 14-15/2023

## Subject 7. Endodontic retreatment

1. Retreatment indications.
2. Access to root canals in the endodontic retreatment.
3. Methods of removal of filling materials.
4. Prognosis in retreatment.



Theoretical classes and pre-clinical  
practice **with patients**

Price per session:

**1.700 €**

# Endodontic Training Session 6: Operative accidents in Endodontics

January 25-26/2024

## Subject 8. Operative accidents in Endodontics

1. Perforations.
2. Fracture of instruments.
3. Extrusion of filling materials.
4. Extrusion of irrigating solution.
5. Steps and lacerations in root canals.
6. Loss of working length.



Theoretical classes and pre-clinical  
practice **with patients**

Price per session:

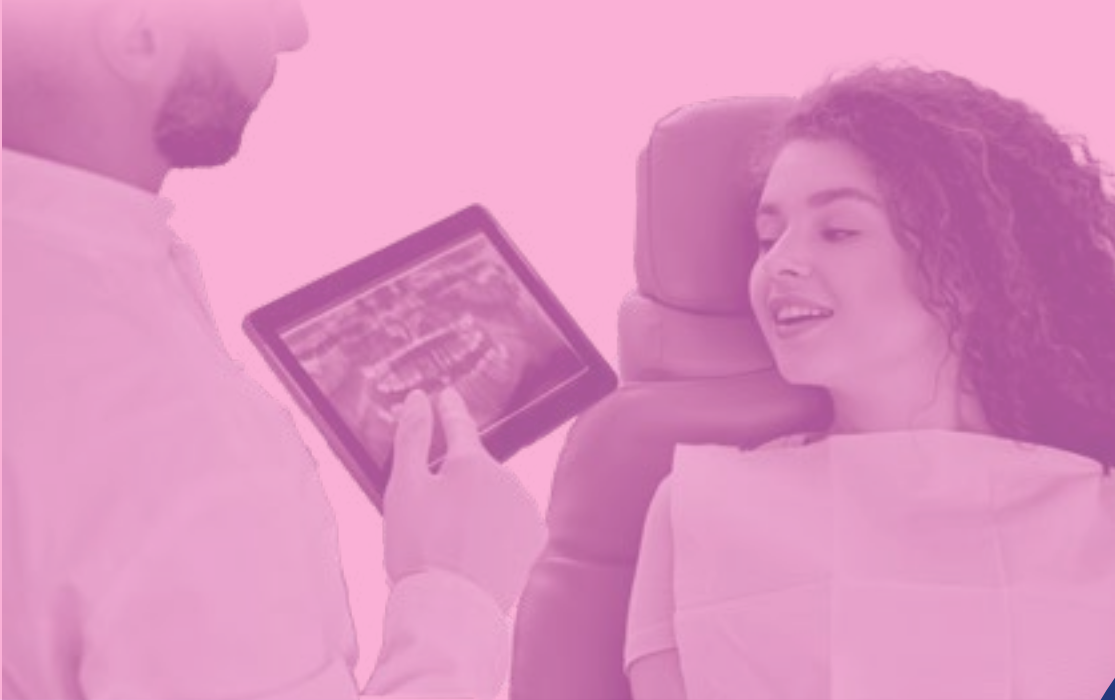
**1.700 €**

# Endodontic Training Session 7: Management of root resorptions

February 22-23/2024

## Subject 9. Management of root resorptions

1. External cervical resorption.
2. Internal resorption.
3. External resorption.
4. Etiology.
5. Clinic and Rx.
6. Classification.
7. Treatment.



Theoretical classes and pre-clinical practice **with patients**

Price per session:

**1.700 €**

# Endodontic Training Session 8: Open apex tooth treatment

March 21-22/2024

## Subject 10. Open apex tooth treatment

1. Direct pulp capping.
2. Complete pulpotomy.
3. Treatment of the necrotic tooth.
4. Apexification with Calcium Hydroxide.
5. Apexification with calcium silicate hydraulic cements.
6. Regeneration in endodontics.

Theoretical classes and pre-clinical practice **with patients**

Price per session:

**1.700 €**

# Endodontic Training Session 9:

## Endodontic management of the traumatized tooth

April 25-26/2024

### Subject 11. Endodontic management of the traumatized tooth

1. Avulsions.
2. Guidelines for action.
3. Complications and prognosis.
4. Dislocations.
5. Concussion or contusion.
6. Subluxation.
7. Extrusive dislocation.
8. Lateral dislocation.
9. Intrusive dislocation.
10. Crown fractures.
11. No pulp compromise.
12. With pulp commitment.

Theoretical classes and pre-clinical practice **with patients**

Price per session:

**1.700 €**



# Endodontic Training Session 10: Endodontic tooth reconstruction

May 9-10/2024

## Subject 12. Restoration of the root canal treated tooth

1. Particularities of the root canal treated tooth.
2. Types of intra-radicular posts.
3. Materials and types of restoration.
4. Ceramics: Inlays and Onlays.
5. Importance of coronal sealing.
6. Coronal Leakage.

Theoretical classes and pre-clinical practice **with patients**

Price per session:

**1.700 €**

**Modality:** Theoretical lessons, pre-clinical practices and clinical practices with patients.

**Addressed to:** Graduates in Dentistry and fifth year students of Dentistry degree.

**Days:** Thursdays and Fridays.

**Duration:** June 2023 to may 2024

**Location:** ADEMA University School of Dentistry\*.

**Price:** 11,700€ for the full program.

1,700€ each session. Except Session 3 which is 2,000€.

Former ADEMA students and 5th year students of the Degree in Dentistry have a 10% discount.

\*Session 3 will be sponsored by FKG Dentaire and will take place at its training center in Le Chaux de Fonds (Switzerland). The price of the course includes plane tickets, transfers, 2 hotel nights, a visit to the FKG factory where you can learn about the endodontic instrument manufacturing process, as well as the theoretical-practical training corresponding to the workshop during 2 days.

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