

Master's Degree in Periodontology

Master's Degree in Periodontology 2019-2022

Introduction

The Master's Degree in Periodontology is a 3-year full-time postgraduate programme accredited by the European Federation of Periodontology (EFP), designed to train dentists in the specialised field of periodontics and implant dentistry. The programme prepares accepted candidates to oversee clinical treatments, teach and conduct research in periodontics and surgical implant dentistry. The course includes a theoretical unit that addresses clinical topics in periodontics, seminars aimed at reviewing and analysing classical and contemporary literature, courses in surgical implant dentistry and periodontics, the relationship between periodontics and other specialised areas of dentistry, the study of clinical cases in periodontics and clinical cases that involve other areas of specialisation. During the practical part of this course, students will receive training in all types of periodontal treatments and carry out an individual research project within the area of periodontics and implant dentistry.

Organizing Department

Department of Periodontology

Faculty of Dentistry

Chairman

Dr José Nart

Programme Directors

Dr José Nart

Dr Andrés Pascual

Coordinator

Dr Cristina Vallès

Academic Board

Dra Desiré Abellan, Dr Matteo Albertini, Dra Mariana Baglivo, Dra Lucía Barallat, Dra Núria Bertos, Dr Gonzalo Blasi, Dr Manuel Cabezas, Dra Neus Carrió, Dra Beatriz De Tapia, Dr Pedro Diz, Dra Cristina Esquinas, Dr José Espona, Dra Marta Galofré, Dra Berta García, Dra Raquel García, Dra Pilar Golmayo, Dr Rodrigo Gonzalez, Dr Daniel Jiménez, Dr Jaume Llena,

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Dra Mireia Martí, Dr Jaume Mestres, Dr Alberto Monje, Dra Carolina Mor, Dr Javier Mora, Dra Marta Muñoz, Dra Diana Palau, Dra Blanca Paniagua, Dra Marta Peña, Dr Vicente Platón, Dr Rosario Puglisi, Dra. Angels Pujol, Dr. Ernest Rojo, Dra. Vanessa Ruiz, Dr. Juan Rumeu, Dr. Ignacio Sanz, Dr Antonio Santos, Dra Marzia Savoini, Dr Giorgio Stropa, Dra Canolich Vaamonde, Dra Núria Vallcorba, Dr Javier Vilarrassa.

Guest Faculty

Dr. Paul Levi Jr, Dr. Francesco Amato

Objectives

The advanced periodontology training programme is designed to prepare dental professionals to become specialists in the field of periodontics and dental implants. This programme will prepare such professionals for clinical practice, academic teaching and research in periodontics.

It comprises a theoretical cycle covering clinical aspects of periodontics and seminars involving the review and analysis of classic and current periodontics literature, joint prosthodontics and periodontics seminars, seminars on the relationship between periodontics and other dental specialisations, the presentation of clinical cases in periodontics and joint clinical cases with other specialisations. The practical part includes the treatment of all types of periodontal patients, ranging from basic treatments to treatments including periodontal and mucogingival surgery and implantology. Participants will also be required to carry out a research project in periodontics, which may focus on either clinical and/or laboratory aspects, during the three years the programmes lasts.

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Course Programme

Theoretical Programme

We will analyse and critically discuss classic and modern literature through seminars on the following topics:

First Year

Theoretical Programme

General aspects of basic sciences

- Head and neck anatomy
- Clinical pharmacology
- Microbiology
- Molecular and cellular biology

Basic principles of clinical periodontology

- Anatomy
- Epidemiology
- Microbiology
- Host-Parasite interactions
- Trauma from occlusion
- Periodontal pathology
- Clinical examination
- Disease Classification
- Initial periodontal therapy
- Antibiotics in periodontal therapy
- Supportive periodontal therapy
- Osseointegration of dental implants
- Peri-implant infections

Basic principles of periodontal surgery

- Periodontal surgery: Access therapy
- Treatment of furcation-involved teeth
- Pre-prosthetic periodontal surgery
- Principles in regenerative periodontal therapy
- Principles in mucogingival therapy

Principles of research methodology in periodontics

- Biostatistics
- Research methodology
- Bibliographic research
- Scientific communication
- Research protocol development

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Periodontal interdisciplinary treatment concepts and seminars

- Periodontic–Orthodontics
- Periodontic–Prosthodontics
- Periodontic–Endodontics
- Periodontic–Oral pathology

Classic periodontal literature review

General aspects of oral medicine and pathology

- Lesions of the oral tissues
- Systemic diseases and oral pathologies and signs
- Effects of medications on the oral mucosa
- Allergic reactions
- Infectious disease particularly viral and fungal
- Premalignant and malignant lesions

Practical and Preclinical Programme

Hands-on seminar on periodontal examination and intraoral photography

Hands-on seminar on the initial periodontal phase (scaling and root planning)

Periodontal clinical practicums

- Examination and treatment of patients with periodontal diseases
- Radiographic examination of patients with periodontal diseases
- Planning and treatment of patients with periodontal diseases
- Planning and treatment of periodontic–orthodontic cases
- Planning and treatment of periodontic–prosthodontics cases
- Planning and treatment of periodontic–endodontic cases
- Supportive periodontal therapy

Hands-on seminar on basic periodontal surgery & suture techniques

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Second Year

Theoretical Programme

Advanced clinical periodontology

Regenerative periodontal therapy

- Classification and diagnosis
- Clinical indications
- Surgical techniques
- Barrier materials
- Graft materials
- Literature evidence

Mucogingival therapy

- Classification and diagnosis
- Clinical indications
- Surgical techniques
- Grafts and substitutes
- Literature evidence

Tissue Regeneration

- Classification and diagnosis
- Clinical indications
- Surgical techniques
- Barrier materials
- Graft materials
- Literature evidence

Basic Implantology

Examination of the candidate patient for implants therapy

- Radiographic examination of the implant patient
- Examination of the patient with implant-supported restorations
- Risk assessment of the implant patient
- Timing of implant placement
- Macro and micro design of dental implants

Research methodology in periodontics

- Data analysis
- Research protocol development

Periodontal interdisciplinary treatment seminars

- Periodontic–Orthodontics
- Periodontic–Prosthodontics

Current periodontal literature review

Classic implant literature review

Oral medicine and pathology

- Clinical cases seminars

Practical and Preclinical Programme

Periodontal clinical practicums

- Examination and treatment of patients with early and advanced periodontal disease

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Radiographic examination of patients with early and advanced periodontal disease
Planning and treatment of patients with early and advanced periodontal disease
Treatment of mucogingival defects
Treatment of periodontal (tooth/bone) regenerative procedures
Planning and treatment of advanced periodontic–orthodontic cases
Planning and treatment of advanced periodontic–prosthodontic cases
Planning and treatment of advanced periodontic–endodontic cases
Examination and dental implant installation
Examination and treatment of peri-implant pathologies
Supportive periodontal – implant therapy

Hands-on seminar on mucogingival periodontal surgery & suture techniques

Hands-on seminar on regenerative periodontal surgery & suture techniques

Hands-on seminar on surgical implant placement

Clinical Instruction

Clinical guidance and instruction with undergraduate students in the Dental Clinic.

Third Year

Theoretical Programme

Management and dental marketing

Basic knowledge of the operation and management of a dental practice focused on periodontology

Oral implantology
Reconstructive ridge procedures
Regeneration of peri-implant defects
Elevation of the maxillary sinus
Implants in the aesthetic zone
Complications related to implants
Treatment of peri-implant lesions

Research methodology in periodontics

Final data analysis
Research project presentation

Periodontal interdisciplinary treatment seminars

Periodontic–Implantology
Periodontic–Orthodontics
Periodontic Prosthodontics

Oral implantology – Prosthesis

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Current concepts in implant prostheses

Current implant literature review

Oral medicine and pathology

Clinical cases seminars

Practical and Preclinical Programme

Hands-on seminar on initial implantology placement

Periodontal clinical practicums

Examination and treatment of patients with early and advanced periodontal disease
Radiographic examination of patients with early and advanced periodontal disease
Planning and treatment of patients with early and advanced periodontal disease
Treatment of mucogingival defects
Treatment of periodontal (tooth and bone) regenerative procedures
Planning and treatment of advanced periodontic–orthodontic cases
Planning and treatment of advanced periodontic–prosthodontic cases
Planning and treatment of advanced periodontic–endodontic cases
Examination and dental implant installation
Elevation of the sinus floor
Examination and treatment of peri-implant pathologies
Supportive periodontal – implant therapy

Elevation of the sinus floor techniques hands-on seminar

Clinical Instruction

Clinical guidance and instruction with undergraduate students in the Dental Clinic.

Courses and conferences

SEPA annual meeting and research meetings

EFP meetings

COEC continuing education perio and implant evening sessions

ITI Study Club meetings

EAO and Osteology meetings

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Methodology and evaluation

- Evaluation of the practical and theoretical modules, scientific communications and research. Projects is performed either on a trimester or semester basis.
- In order to graduate, students must have passed all theoretical exams for the theoretical subjects, have undertaken at least 50 full clinical cases and have performed a minimum of 100 periodontal surgical procedures and 40 implants. At the end of the program, all students must present and defend 5 clinical cases, including implant therapy in at least two of them, and the research project defence.

Material

In order to take part in this Master's degree, students must own the following:

- A reflex-type digital camera with 105 mm lens and ring flash
- Laptop or access to a computer (pen drive, etc.)
- Surgical instruments (as recommended by the Department)
- Professional magnifying lenses (minimum 2.5X)
- Rotary material: turbine, adaptor (*), contra-angle, handpiece, micromotor
- A surgical cassette
- X-Ray phosphor plates

(*) The model and compatibility of the adaptor must be confirmed.

Admissions process

- **Personal interview:** The personal interview will be carried out with the Master's Coordinator and Director. Academic merits and class ranking will be evaluated, as well as the ability to work in a team.
- **Psychometric test:** The psychometric test will take between 20 and 30 minutes. This test is undertaken to assess the abilities and skills of each candidate.
- **TOEFL ≥ 85** or Cambridge Certificate of Advanced English ≥ 176 .
- At least one year of work experience following a Dentistry Degree.
- Training in research and statistics will be valued positively.
- Access exam from Part 1 to Part 8 (pages 1-516) of "Clinical Periodontology and Implant Dentistry" by Lang and Lindhe.

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Facilities

UIC Barcelona believes that clinical practice on patients is crucial for training high-level professionals.

The University Dental Clinic is located on university grounds and has:

- 88 booths equipped with state-of-the-art dental technology:
 - 80 general booths.
 - 2 booths for special patient care.
 - 6 surgical booths.

- 5 laboratories:
 - 2 prosthetic dental laboratories with the most up-to-date CAD/CAM units that allow students to apply the latest techniques in all areas of dentistry.
 - 1 dental research laboratory.
 - 1 regenerative medicine laboratory.
 - 1 pre-clinical laboratory with 95 training simulators and digital radiology. This facility allows students to train with augmented reality techniques before treating patients.

- 3 radiology and 3D units for complementary tests with planning programs for both implantology and prosthetics, which give students hands-on experience with the latest technologies.

- Units equipped for live broadcasting of surgical interventions.

- 2 diagnostic imaging rooms for taking panoramic dental X-rays and latero-lateral and posterior-anterior teleradiographies, periapical radiographs and CBCT scans.

- Treatment planning room.

- Smart storage room for delivery and collection of material.

- Sterilization unit for medical materials and instruments.

- Administrative control software for patients and students.

UIC Barcelona has signed several RDI agreements with manufacturers to strengthen ties between the University and industry.

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Basic information

Calendar

September 2019 to July 2022

Timetable

First year:

Mondays	8 a.m. - 2 p.m.
Tuesdays	8 a.m. - 2 p.m.
Wednesdays	8 a.m. - 8 p.m.
Thursdays	10 a.m. - 2 p.m.
Fridays	8 a.m. - 2 p.m.

Second year:

Mondays	8 a.m. - 8 p.m.
Tuesdays	8 a.m. - 8 p.m.
Wednesdays	8 a.m. - 8 p.m.
Thursdays	8 a.m. - 8 p.m.
Fridays	8 a.m. - 2 p.m.

Third year:

Mondays	8 a.m. - 8 p.m.
Tuesdays	8 a.m. - 8 p.m.
Wednesdays	8 a.m. - 5 p.m.
Thursdays	8 a.m. - 8 p.m.
Fridays	8 a.m. - 4 p.m.

Pre-registration date

From January 2019

Fees

First year:

€ 25,270*

Second year:

€ 24,480*

Third year:

€ 20,704*

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** Annual registration fees are included in the cost (€ 480/year). The University's Board of Governors has not yet approved the annual registration fees.*

The price for the second and third year (2020-2021, 2021-2022) has not yet been approved by the University's Board of Governors and is subject to an index-linked increase.

Places available

There are 6 places available.

Accreditation

180 ECTS Master's Degree in Periodontology

European Board Periodontology Certified (candidates who pass the exam)

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Documentation required for pre-registration

- Pre-enrolment form.
- A certified copy of the relevant undergraduate degree*.
- Transcript of grades (original or certified copy) *.
- Photocopy of National Identity Document (DNI) or passport.
- Receipt for payment of €90 by bank transfer**.
- Curriculum vitae.
- Letter/s of recommendation (not obligatory).

*For students from outside the European Union, both the academic record and the degree certificate must be processed through diplomatic channels or bear The Hague Apostille.

Candidates in the last year of their degree programme must provide a list of the qualifications they obtained before their registration date.

** Management fees are non-refundable.

Send to:

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Faculty of Dentistry
Universitat Internacional de Catalunya
Hospital General Building
C/ Josep Trueta, s/n
08195 Sant Cugat del Vallès (Barcelona)

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Bank details

The fee can be paid into any of the following bank accounts held by the Universitat Internacional de Catalunya, Fundació Privada. The student's name and the personal code that appears at the top of the enrolment form should be entered in payee details.

- Bank: LA CAIXA
- IBAN code: ES14 2100 0940 8002 0019 1646
- SWIFT/BIC code: CAIXESBBXXX
- Address: Calle Muntaner, 262. - 08021 BARCELONA

- Bank: BANCO BILBAO VIZCAYA ARGENTARIA
- IBAN code: ES88 0182 6035 4400 1150 1145
- SWIFT/BIC code: BBVAESMM
- Address: Plaza Catalunya, 5, 2^a pl. - 08001 BARCELONA

- Bank: BANCO SANTANDER
- IBAN code: ES63 0049 1806 9429 1189 8561
- SWIFT/BIC code: BSCHESTM
- Address: Paseo de Gracia, 5, 4^a pl. - 08007 BARCELONA

- Bank: CATALUNYA CAIXA
- IBAN code: ES22 2013 1356 8402 0001 0806
- SWIFT/BIC code: CESCESBBXXX
- Address: Plaza Antonio Maura, 7 - 08003 BARCELONA

- Bank: BANC DE SABADELL
- IBAN code: ES78 0081 5084 0200 0102 9106
- SWIFT/BIC code: BSABESBB
- Address: Avenida de Sarrià, 17-19 - 08029 BARCELONA

- Bank: BANCO POPULAR
- IBAN code: ES82 0075 1586 9406 0005 8301
- SWIFT/BIC code: POPUESMM
- Address: Paseo de Gracia, 54, entlo. 1^a - 08007 BARCELONA

Personal details

Name					
First Surname			Second Surname		
Date of Birth	/	/	Sex	Male	Female
E-mail			Mobile Number		
Address					
Country			City		
Postal Code			Nationality		
Country of Birth			Place of Birth		
NIF/NIE		Foreign ID*		Passport number	
Usual Language					
What language do you want to receive information in?				English	Spanish

*Born outside of Spain or non-Spanish nationality

MASTER'S DEGREE/POSTGRADUATE COURSES

MASTER'S DEGREE

Master's Degree in Periodontology
 European Master's Degree in Endodontics
 International Master's Degree in Oral Surgery (IMOS)
 Master's Degree in Advanced Aesthetic Restorative Dentistry
 Máster Universitario en Odontología Restauradora Estética
 Máster en Odontopediatría Integral y Hospitalaria
 Máster en Ortodoncia y Ortopedia Dentofacial
 Máster en Disfunción Craneomandibular y Dolor Orofacial

BLENDED LEARNING MASTER'S DEGREE

Master's Degree in Endodontics Online
 Máster Universitario en Investigación en Odontología
 Máster en Estética Dental Online
 Máster en Odontopediatría Integral y Hospitalaria Online

POSTGRADUATE COURSES

RC en Ortodoncia
 RC en Periodoncia
 RC en Prótesis Bucal
 RC en Implantología Oral
 RC en Odontopediatría
 RC en Técnicas Quirúrgicas aplicadas a la Cavidad Oral
 RC en Gerodontología, Pacientes especiales y con compromiso médico
 Postgrado en Odontología Integrada Avanzada
 Postgrado Avanzado en Radiología Oral y Maxilofacial
 Postgrado en Creación y Gestión de la Clínica Dental

ACADEMIC INFORMATION – Degree from the university of origin

University		Country				
Degree						
Type of degree	Graduate	University Master's degree holder	Master's degree holder	Other		
Year	/	/				
How did you find out about the UIC Barcelona?						
Word of mouth (through friends, school, ...)		Visit to the university	The website	Fairs	Advertising	Other

Send to: infodonto@uic.es

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