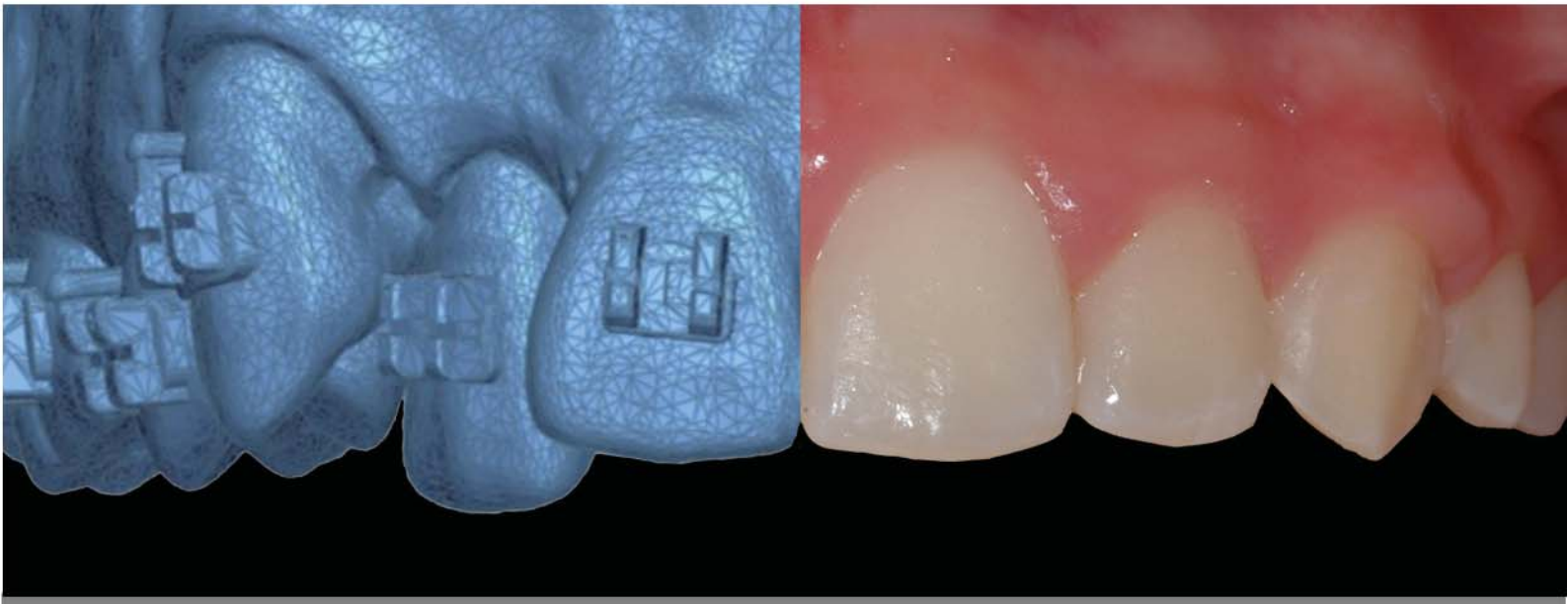
POSTGRADUATE SPECIALIZATION

COURSE IN ORTHODONTICS

Curso de Pós-graduação em Ortodontia



FMDUL 2022-2025

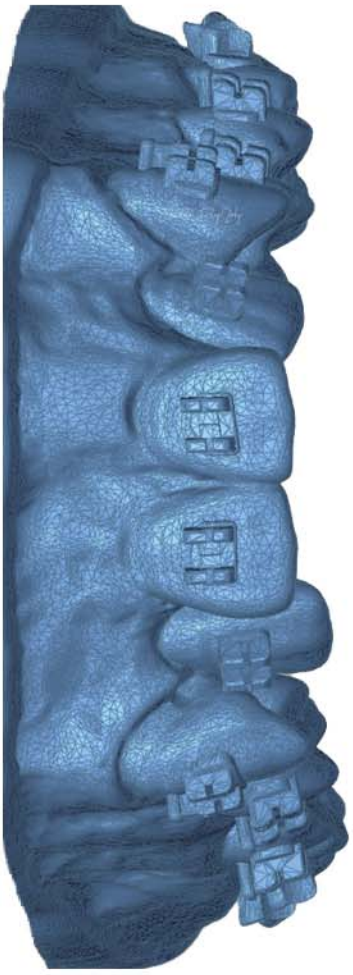
Lisboa, Portugal
Faculdade de Medicina Dentária

The Specialization Program in Orthodontics has the general objective of educating and training dentists specializing in **orthodontics**, with a solid preparation in basic science and broad clinical experience.

During the course, different methods of diagnosis and treatment will be addressed and applied, including concepts related to new 3-D digital technologies, which allow professionals to integrate them during the advanced treatment of complex cases in **orthodontics**.

The course program follows the recommendations of the European and North American associations for postgraduate courses in Orthodontics and complies with the European Directive 2005/36/EC, which regulates the medical and dental specialties, namely in the mandatory duration of **3 years full time**.

The Orthodontics' Unit at FMDUL has been **accredited** by the OMD since 2007 as a suitable unit for postgraduate training leading to the title of specialist in orthodontics.



Diagnosis

Differential diagnosis of the different anomalies of occlusion, involving the dentoalveolar, skeletal or functional structures.

Detect deviations in the development of the dentition, facial growth and other conditions impacting orthodontic treatment

Application of new 2-D and 3-D digital technologies in the development of the diagnostic database and as a means of communication with patients

Treatment Plan

Advanced orthodontic treatment planning for complex cases requiring interdisciplinary care

Orthodontic-surgical-orthognathic treatment planning with 2-D and 3-D digital methods

Treatment

Acquire clinical experience in a diverse set of orthodontic treatment techniques and the ability to perfect the detail in the finishing of treatments.

Full treatment or orthodontic cases with multibracket and digital based treatment techniques, early functional treatment, adult treatment, orthognathic surgery and TMD patients

Scientific Evidence

Know the classic and current scientific literature in the area of Orthodontics and related disciplines

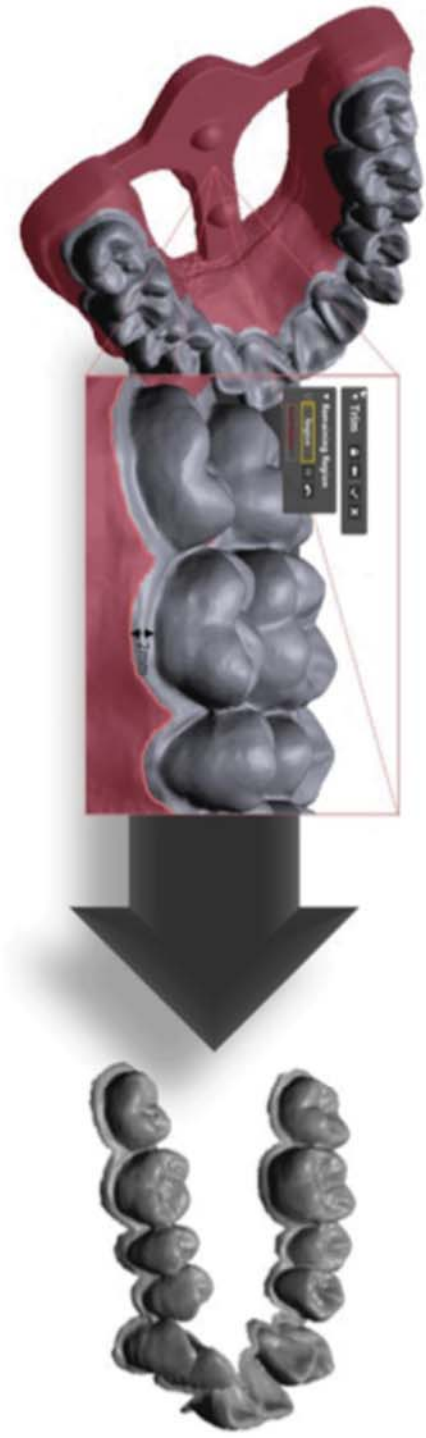
Research

Active participation in research work
with methodological support for carrying out
projects in the field of orthodontics

Orthodontic Technique

Master the various techniques of orthodontic fixed appliance therapy and functional and orthopedic growth modification

Know 2-D and 3-D digital technologies with current application in the field of Orthodontics



Communication & Teaching

Mastery of pedagogical techniques for communicating topics in public and in continuing education actions.

Participation in undergraduate Orthodontics teaching activities.

Autonomy and Motivation

Development of a scientific attitude that allows a critical analysis of the orthodontic literature and clinical decision-making based on scientific evidence.

Autonomy and motivation for professional updating and improvement through lifelong self-learning.

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RULES OF OPERATION

DIRECTED TO:

Dentists with a bachelor's or master's degree in dentistry enrolled in the Portuguese Dental Association or a foreign academic degree recognized by the Scientific Council of FMDUL.

DIPLOMA & DEGREE:

At the end of the Postgraduate Specialization Course in Orthodontics, the student receives a diploma, awarded by the FMDUL and which, upon prior recognition by the OMD, allows the candidate to apply for the title of specialist in Orthodontics.

CREDITATION & DURATION:

180 ECTS.

3 years, from October 2022 to July 2025.

MODALITY:

Full time, with practical clinical and laboratory classes and theoretical classes/seminars.

WORK SCHEDULE:

Monday to Friday

8:30 am to 2 pm: Contact time

From 2 pm: Preparation of clinical cases, laboratory activities, preparation of seminars, research work.

LOCALIZATION:

Cidade Universitária (Lisboa, Portugal)
Faculdade de Medicina Dentária, Rua Professora Teresa Ambrósio 1600-277 Lisboa

ANNUAL TUITION:

€10,000 (EU countries)

€15,000 (international students)

STUDENT EVALUATION METHODOLOGIES

Assessment in the different curricular units is based on continuous evaluation according to the following criteria :

- Participation and attendance of classes;
- Relationship with patients, auxiliary staff and teachers;
- Evaluation of the work carried out;
- Application of knowledge in clinical practice;
- Presentation and discussion of clinical cases;
- Review and discussion of scientific articles;
- Classification obtained in written tests and practical tests;
- Clinical activity assessment

The **final grade of the course** is the average, weighted by the respective number of credit units, of the grades obtained in the postgraduate seminars, in the clinic, in the orthodontic laboratory and in the final research work.

FACULTY

Professor Doctor Luís Jardim

Doctor of Dental Medicine (FMDUL, 1987). Specialist in Orthodontics (OMD, 1999). Master of Science in Orthodontics (University of Minnesota, USA, 1991). Doctorate in Orthodontics (FMDUL, 1997). President of the OMD Portuguese Board of Orthodontics. Full Professor of Medical-Surgical Sciences at the School of Dental Medicine, University of Lisbon. Coordinator of the Orthodontics' Unit and the Postgraduate Specialization Course in Orthodontics at FMDUL. President of the Coordinating Committee of FMDUL Doctoral Courses. Principal Investigator of the Orthodontics Research Group (GIORTO) of the Oral and Biomedical Sciences Research Unit (UICOB). Member of the Scientific Committee of the Portuguese Society of Dentofacial Orthopedics (SPODF). Author of more than 300 national and international conferences, courses and scientific publications. Clinical practice restricted to Orthodontics, in Lisbon.

Prof. Doctor Rui Pereira

Doctor of Dental Medicine (FMDUL, 1982). Specialist in Orthodontics (OMD, 2000). Graduated in Orthodontics and Master of Science in Orthodontics (University of Bergen, Norway, 1993), Doctorate in Orthodontics (FMDUL, 2012). Assistant Professor at FMDUL and member of the Coordinating Council of the Unit of Orthodontics. Professor at the Postgraduate Specialization Course in Orthodontics at FMDUL. Clinical practice restricted to Orthodontics in Lisbon.

Prof. Doctor Joana Godinho

Doctor of Dental Medicine (FMDUL, 2003). Graduated in Orthodontics from Eastman Dental Center (Univ. Rochester, USA, 2007). Specialist in Orthodontics (OMD, 2011). PhD in Orthodontics (2015), Assistant Professor and member of the Coordinating Council of the Postgraduate Specialization Course in Orthodontics at FMDUL. Researcher in the Orthodontics Research Group (GIORTO) of the Oral and Biomedical Sciences Research Unit (UICOB). Member of the Board of the Portuguese

Society of Dentofacial Orthopedics (SPODF) and the Portuguese Association of Specialists in Orthodontics (APO). Author of national and international scientific conferences and publications. Exclusive clinical practice of Orthodontics, in Lisbon.

Prof. Doctor Natascha Fernandes

DDS Degree in Dentistry (University of Goa, 1994). Integrated Master in Dentistry (FMDUL). Postgraduate Specialization in Orthodontics (FMDUL, 2010). Specialist in Orthodontics (OMD, 2013). PhD in Orthodontics (FMDUL, 2021). Teaching Assistant at the Orthodontics Unit and at the Postgraduate Specialization Course in Orthodontics at FMDUL. Clinical Practice restricted to Orthodontics.

Prof. Doctor Patricia Gomes

DDS Degree in Dentistry (FMDUL, 2000). Specialist in Orthodontics (OMD, 2013). Postgraduate Specialization in Orthodontics (FMDUL, 2010). PhD in Orthodontics (FMDUL, 2021). Teaching Assistant at the Orthodontics Unit and at the Postgraduate Specialization Course in Orthodontics at FMDUL. Member of the Portuguese Society of Dentofacial Orthopedics (SPODF) and of the Portuguese Association of Specialists in Orthodontics (APESORT). Exclusive clinical practice of Orthodontics in Lisbon.

- Interdisciplinary Seminars -

Prof. Doutora João Paula Marques

Prof. Doutor João Caramês

Prof. Doutor Paulo Mascarenhas

Prof Doutor Duarte Marques

Prof. Doutor José Carracho

Prof. Doutor António Ginjeira

- Basic Sciences -

Prof. Doutor António Mata

Prof. Doutor Mário Bernardo

Prof. Doutor Jaime Portugal

Prof. Doutor Henrique Luís

Prof. Doutora Manuela Lopes

Prof. Doutor João Silveira

- Guest Lecturers -

Prof. Doutor Afonso Pinhão Ferreira

Prof. Doutor Francisco do Vale

ADMISSION PROCESS

The admission process to the Postgraduate Specialization Courses of the Faculty of Dental Medicine of the University of Lisbon is subject to the rules defined by the university and the number of vacancies available annually.

For a more personalized service, the candidate can go to the Faculty secretariat, depending on the current opening hours, or contact us by email geral@fmd.ulisboa.pt or by telephone +351 217922600.

When the candidate has in his possession all the required documentation indicated below, the selection process will begin with the completion of the entrance examination(s) corresponding to the program, a curricular evaluation and an individual interview with the Course Coordinator and/or with the admissions committee members.

To proceed with the application, you must submit the application form duly filled in and the documents requested online at the address https://fenix.fmd.ulisboa.pt/accountCreation on the Fenix platform.

- Bachelor's or Integrated Master's Certificate in Dentistry issued by the OMD or by an equivalent professional entity in another European Union or foreign country
- Updated Curriculum Vitae
- Passport photograph
- Copy of Citizen's Card
- Letter(s) of recommendation
- Copy of the Professional Certificate issued by the Portuguese Dental Association or equivalent foreign institution
- Letter of motivation
- 'Application fee of €100

+351 217922600

fmd.ulisboa.pt

academicos@fmd.ulisboa.pt

CURRICULAR STRUCTURE

1 — Predominant scientific area of the study cycle: Medical-Surgical Sciences.

2 — Number of credits, according to the European credit transfer and accumulation system, required to complete the course: 180.

3 — Normal duration of the study cycle: 6 semesters.

4 — Scientific areas and credits that must be gathered to obtain the diploma:

SCIENTIFIC AREA	INITIALS	CREDITS	
		MANDATORY	OPTIONAL
Oral Rehabilitation Sciences	CRO	2	-
Medical-Surgical Sciences	CMC	153	-
Preventive and Conservative Dental Sciences	CDPC	9	-
Morphofunctional and Pathological Sciences	CMFP	12	-
Social Sciences, Humanities and Education	CSHE	4	-
Total		180	-

POSTGRADUATE COURSE OF SPECIALIZATION IN ORTHODONTICS

1ST SEMESTER

CURRICULAR UNITS	SCIENTIFIC AREA	TYPE	WORKING TIME (HOURS)		CREDITS	COMMENTS
			TOTAL	CONTACTO		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Head Anatomy	CMFP	Semestral	56	24 - T:18; P:6	2	
Cephalometry	CMC	Semestral	84	36 - S:18; P:18	3	
Epidemiology	CDPC	Semestral	28	15 - T:15	1	
Diagnostic Techniques	CMC	Semestral	56	24 - TP:24	2	
Diagnosis and Treatment Plan	CMC	Semestral	168	72 - TP:72	6	
Orthodontic Technique I	CMC	Semestral	168	72 - TP:72	6	
Clinical Orthodontics I	CMC	Semestral	280	260 - P:260	10	
		TOTAL	**840**	**503**	**30**	

Caption:(1) Designation of the Curricular Unit.(2) Indicate the acronym in the Curricular Structure Chart. (3) Typology of the Curricular Unit (annual, semester or quarter). (4) At UL, the total workload is equal to the number of credits multiplied by 28. (5) Indicate for each type: (T - theoretical teaching; TP - theoretical-practical; PL - practical and laboratory; TC - field; S – seminar; E – internship; OT – tutorial guidance; O – others) the number of total hours (eg T - 15; PL: 30). (6) Number of credits. (7) Check whenever the curricular unit is optional.

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2ND SEMESTER

CURRICULAR UNITS	SCIENTIFIC AREA	TYPE	WORKING TIME (HOURS)		CREDITS	COMMENTS
			TOTAL	CONTACT		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Biostatistics	CDPC	Semestral	56	24 - T:18; P:6	2	
Growth and Development of the Human Body	CMC	Semestral	56	24 - S:24	2	
Facial Growth	CMC	Semestral	112	48 - T:12; S:36	4	
Cellular and Molecular Biology	CMFP	Semestral	56	24 - T:12; S:12	2	
Biology of Dental Movement and Orthopedics	CMC	Semestral	56	24 - T:6; S:18	2	
Orthodontic Biomechanics	CMC	Semestral	112	48 - T:12; S:36	4	
Orthodontic Technique II	CMC	Semestral	112	48 - TP:48	4	
Clinical Orthodontics II	CMC	Semestral	280	260 - P:260	10	
		TOTAL	**840**	**500**	**30**	

POSTGRADUATE COURSE OF SPECIALIZATION IN ORTHODONTICS

3RD SEMESTER

CURRICULAR UNITS	SCIENTIFIC AREA	TYPE	WORKING TIME (HOURS)		CREDITS	COMMENTS
			TOTAL	CONTACT		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Head Embryology	CMFP	Semestral	56	24 - T:12; S:12	2	
Psychology of the Child, Adolescent and Adult	CSHE	Semestral	56	24 - T:12; S:12	2	
Radiology and Imagiology	CMC	Semestral	56	24 -T:12; TP:12	2	
Development of the Dentition	CMC	Semestral	84	36 - T:12; S:24	3	
Iatrogenic Effects of Orthodontic Treatment	CMC	Semestral	56	24 - S:24	2	
Orthodontic Technique III	CMC	Semestral	168	72 - TP:36; S:36	6	
Evidence-Based Dentistry	CDPC	Semestral	28	15 - T:15	1	
Literature Review I	CMC	Semestral	56	24 - S:24	2	
Clinical Orthodontics III	CMC	Semestral	280	260 - P:260	10	
		TOTAL	**840**	**503**	**30**	

POSTGRADUATE COURSE OF SPECIALIZATION IN ORTHODONTICS

4TH SEMESTER

CURRICULAR UNITS	SCIENTIFIC AREA	TYPE	WORKING TIME (HOURS)		CREDITS	COMMENTS
			TOTAL	CONTACT		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Physiology of Respiration, Speech, Deglutition and Mastication	CMC	Semestral	56	24 - T:12; S:12	2	
Research Methodology	CDPC	Semestral	84	36 - T:24; P:12	3	
Orthodontic Biomaterials	CRO	Semestral	56	24 - T:12; S:12	2	
Etiology of Malocclusion	CMC	Semestral	56	24 - T:12; S:12	2	
Epidemiology in Orthodontic Research	CMC	Semestral	56	24 - T:12; S:12	2	
Orthodontic-Surgical Treatment	CMC	Semestral	84	36 - T:12; S:24	3	
Orthodontic Technique IV	CMC	Semestral	112	48 - TP:24; S:24	4	
Literature Review II	CMC	Semestral	56	24 - S:24	2	
Clinical Orthodontics IV	CMC	Semestral	280	260 - P:260	10	
		TOTAL	**840**	**500**	**30**	

POSTGRADUATE COURSE OF SPECIALIZATION IN ORTHODONTICS

5TH SEMESTER

CURRICULAR UNITS	SCIENTIFIC AREA	TYPE	WORKING TIME (HOURS)		CREDITS	COMMENTS
			TOTAL	CONTACT		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Physiology and Pathophysiology of the Stomatognathic System	CMFP	Semestral	56	24 - T:12; S:12	2	
Growth and Treatment Analysis	CMC	Semestral	84	36 - TP:24; S:12	3	
Retention and Relapse	CMC	Semestral	84	36 - TP:24; S:12	3	
Orthodontic-Periodontal Treatment	CMC	Semestral	56	24 - T:12; S:12	2	
Serial Extractions	CMC	Semestral	56	24 - T:12; S:12	2	
Craniomandibular Dysfunction	CMFP	Semestral	56	24 - T:8; S:16	2	
Literature Review III	CMC	Semestral	56	24 - S:25	2	
Clinical Orthodontics V	CMC	Semestral	280	260 - P:260	10	
Research Project I	CMC	Semestral	112	48 - P:48	4	
		TOTAL	**840**	**500**	**30**	

6TH SEMESTER

CURRICULAR UNITS	SCIENTIFIC AREA	TYPE	WORKING TIME (HOURS)		CREDITS	COMMENTS
			TOTAL	CONTACT		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Genetics	CMFP	Semestral	56	24 - T:12; S:12	2	
Craniofacial Syndromes	CMC	Semestral	56	24 - T:12; S:12	2	
Cleft Palate Treatment	CMC	Semestral	56	24 - T:12; S:12	2	
Orthodontic-Restorative Treatment	CMC	Semestral	56	24 - T:12; S:12	2	
Adult Orthodontics	CMC	Semestral	56	24 - T:12; S:12	2	
Health, Hygiene and Safety	CDPC	Semestral	56	24 - T:12; S:12	2	
Deontology, Management and Administration	CSHE	Semestral	56	24 - T:12; S:12	2	
Literature Review IV	CMC	Semestral	56	24 - S:24	2	
Clinical Orthodontics VI	CMC	Semestral	280	260 - P:260	10	
Research Project II	CMC	Semestral	112	48 - P:48	4	
		TOTAL	**840**	**500**	**30**	

POST-GRADUATE COURSE OF SPECIALIZATION IN ORTHODONTICS

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