



## INFORMATION

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### NUMBER OF PARTICIPANTS

- The maximum number of participants for this course is 12.

### VENUE

Universitat Internacional de Catalunya (UIC),  
Faculty of Dentistry,  
Josep Trueta s/n 08195  
Sant Cugat del Vallès,  
Barcelona, Spain

The practical part takes place in the Sala del Promax (Fadente) and the computer room.

### TARGET GROUP

- Graduated dentists
- Endodontists
- The course is suited for users of all imaging equipment brands (also other than Planmeca)
- The course will be taught in English

## INFORMATION

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### COURSE DATES FOR 2016

17-18 October, 2016



### SCHEDULE

17 October 8 am to 1 pm and 2:30 pm to 5 pm

18 October 8 am to 1 pm



### COURSE FEE

The price of the course is €950.

The price includes lectures and training, materials, lunches and snacks.

Travel and hotel costs are not included.

## REGISTRATION

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For further information and registration, please contact:

Ms Patricia Pujol or  
Ms Cristina Junquera  
infodonto@uic.es  
[www.uic.es](http://www.uic.es)

## LECTURERS

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**DR. SHANON PATEL**

**BDS, MSc, MClintDent, MFDS, MRD, PhD  
Consultant in Endodontics.**

Shanon divides his time between working in specialist practice in central London, and teaching future Specialist Endodontists as well as supervising Masters and PhD students in the Endodontic Postgraduate Unit at Kings' College London (KCL). His PhD thesis assessed the use of CBCT in the management of Endodontic Problems.

His primary research interests reflect some of challenges he faces in everyday practice and include the management of root resorption, dental trauma and the applications of CBCT in Endodontics.

His expertise in CBCT led to him being asked by the European Society of Endodontology to lead a working party to devise a position statement on the use of CBCT in Endodontics which was published in the IEJ in 2014.

He has published over 50 papers in peer reviewed scientific journals, several book chapters, as well as co-editing 3 textbooks 'The Principles of Endodontics' (Oxford University Press) and 'Pitt Ford's Problem Based Learning in Endodontics' (Wiley-Blackwell). The second edition of 'The Principles of Endodontics' was published in March 2013, and is now established as essential reading for undergraduates in the UK.



**DR. FRANCESC ABELLA SANS**

**DDS, PhD**

Dr. Francesc Abella graduated in 2005 in dentistry at the Universitat Internacional de Catalunya (Barcelona), Spain. From 2005 to 2014 he completed his Master Degree and PhD doctoral Degree in Endodontic at Universitat Internacional de Catalunya, Spain.

Dr. Abella has given several lectures, courses and hands-on courses worldwide and he works in a private practice limited to endodontics and restorative dentistry in Barcelona. In clinical endodontics his areas of special interest include cone-beam computed tomography (CBCT) in Endodontics, microcomputed tomography, dental anatomy, dental traumatology, periapical pathology, adhesive restorations, and restoration of root-canal-treated teeth.

Beside his work in private practice he is lecturing on Endodontics throughout Spain and other countries, is actually involved in endodontic research projects in the post-graduate endodontic program of the Universitat Internacional de Catalunya, Spain. He is author of several papers in peer-reviewed journals. Part of the expert committee convened by the European Society of Endodontology (ESE) on the use of CBCT. Dr. Abella is also an active member of the Spanish Association of Endodontics (AEDE).



**DR. FRANCESCO MANOCCI**  
**MD, DDS, PhD, FHEA**

Prof. Francesco Manocci is a Specialist in Endodontics and Restorative Dentistry.

He obtained his MD (Pisa, Italy, 1986) and DDS (Pisa, 1990) in Italy, and his PhD in Clinical Dentistry from King's College London in 2001. After having worked in private practice in Pisa for 18 years while collaborating with the University of Siena as a Visiting Professor he became Lecturer in Endodontology at King's College London in 2004, Senior lecturer/Honorary Consultant in 2006, Head of Endodontology in 2008, and Professor of Endodontology at King's College London in 2010.

Prof. Manocci has authored more than 90 papers in international peer reviewed journals. He is Associate Editor of the International Endodontic Journal and has worked extensively on subjects including restoration of endodontically treated teeth, instrumentation techniques, dental anatomy, histology, endodontic radiology and endodontic microbiology. Prof. Manocci maintains a private practice limited to Endodontics in Central London.



**DR. MIGUEL ROIG CAYÓN**  
**MD, DDS, PhD**

Dr. Roig is a Doctor in Medicine and Surgery as well as a Medicine specialist in Stomatology. He holds a PhD in Dentistry from the University of Barcelona. He is also Professor and Head of the Department of Restorative Dentistry and Endodontology.

Dr. Roig is a member of several prestigious international scientific societies, lectures frequently worldwide, works as a scientific consultant of some of the main dental companies and serves as member of the editorial or scientific board in 5 international dental journals. He has received scientific awards nationally and internationally and has also published 45 scientific papers in JCR journals. After 10 years as Associate Professor at Universitat de Barcelona he is since 1998 Head of the Department of Restorative Dentistry and Endodontology at Universitat Internacional de Catalunya. He has been director or codirector of the Endodontic program, Dental implants program and Prosthodontic program at UIC. Dr. Roig is member of the executive board of the European Society of Endodontology (ESE), and is President of the biannual meeting of ESE to be held in Barcelona in 2015. He is also member of the executive board of the Spanish Society of Prosthodontics and Esthetic Dentistry (SEPES).

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## COURSE OBJECTIVES

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**DR. FERNANDO DURÁN-SINDREU**  
**DDS, PhD**

Dr. Duran Sindreu holds a Degree in Dentistry from the University of Barcelona as well as a Masters Degree in Endodontics from the Universitat Internacional de Catalunya. He got his PhD at UIC in 2007.

He has been the director of the graduate Program of Endodontics at UIC as well as professor of the undergraduate program of Endodontics and Traumatology. In addition to this Dr. Duran-Sindreu has published 30 articles in JCR journals and directed 7 doctoral thesis.

Dr. Durán-Sindreu is a world renowned endodontist, and lectures in many scientific meetings and Universities in Spain, Portugal, France, USA and most of the Spanish speaking American countries. He has many papers published in peer review highly ranked international journals. His practice is limited to endodontics, and he is especially trained and skilled in the management of dental traumatology, field in which he is one of the main experts.

- To learn about the advantages and disadvantages of digital radiology versus CBCT.
- To learn the clinical applications of CBCT.
- To learn to manage Planmeca Romexis software for case diagnosis and planning.
- To understand endodontic applications of CBCT.
- To learn to analyse and interpret CBCT images in endodontics.



## TOPICS

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### 1. CHARACTERISTICS OF THE PLANMECA CBCT (DR. S. PATEL)

- Conventional and alternative radiographic systems.
- The limitations of conventional radiography for endodontic diagnosis (Dr. S. Patel).
- Cone beam computed tomography in endodontics (S. Patel).
- The principles of using ionizing radiation in diagnostic imaging (Dr. Manocci).
- The advantages and limitations of CBCT (Dr. Manocci).

### 2. DIAGNOSIS IN ENDODONTICS

- The detection of apical periodontitis (Dr. Manocci).
- Success and failure in endodontics (Dr. Manocci).
- The diagnosis of root resorption (Dr. Roig).
- CBCT applications for dental trauma assessment (Dr. Roig).
- Vertical root fractures (Dr. Roig).
- Palatogingival groove (Dr. Durán-Sindreu).

### 3. TREATMENT PLANNING IN ENDODONTICS

- Access opening - assessment of root canal anatomy (Dr. Durán-Sindreu).
- Calcified canals (Dr. Durán-Sindreu).
- Pre-retreatment assessment (Dr. Abella).
- Pre-microsurgery assessment (Dr. Abella).

## COURSE SCHEDULE

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### THEORETICAL PART: IN THE CLASSROOM

Day 1 (Lectures): from 8am to 1pm and 2:30pm to 5pm

- Theoretical part of the course.

Day 2 (Hands-on): from 8am to 1pm

- Practice with Planmeca ProMax 3D. Patient positioning, precautions, previewing of the image, different types of shots, acquisition of information and volumetric reconstruction.
- Ideal resolutions and patient dose levels that comply with ALARA (as low as reasonably achievable) principle.
- Optimal volume size and location for clinical needs.
- Special imaging protocols for dental applications.
- Analysis of various clinical situations.
- Presentation of clinical cases (each participant will receive a CD-rom with 5 clinical cases to analyse).
- Advantages of 3D model scanning (create digital models and virtual patients).
- Planmeca ProFace – the face in 3D.

## 3D IN ENDODONTICS

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Cone Beam Computed Tomography (CBCT) has been introduced into dentistry as a diagnostic tool that overcomes many of the limitations of conventional radiology. Anatomical 3D structures are extremely useful in many fields, especially in endodontics.

The advantages of the CBCT system, together with the reduced radiation dose and decreasing equipment prices have boosted the use of this technology among endodontists. Nevertheless, in order to use CBCT the clinicians must have core knowledge of CBCT radiography – and their knowledge must be updated regularly.

During this course we will clarify the characteristics of CBCT, its diagnostic uses in endodontics, and how it can contribute to endodontic treatment planning.

The course consists of 12 hours of lectures and hands-on training, and it is awarded 1 ECTS points.



## SPONSOR

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Digital Academy



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