

Warwick
Dentistry

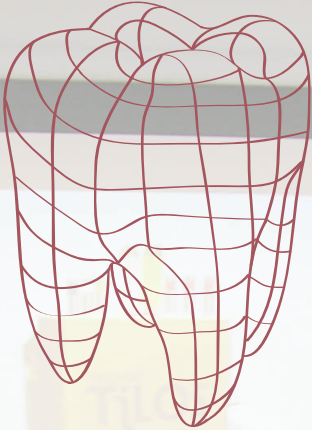


MSc and Diploma in Endodontics

Be part of a winning formula

Advancing Education & Research

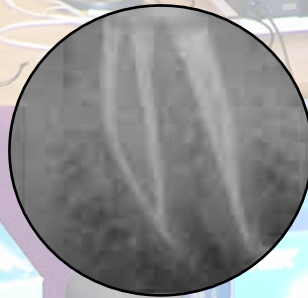
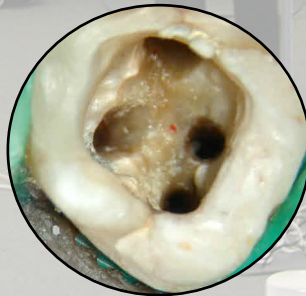
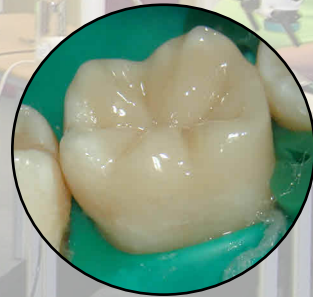
THE UNIVERSITY OF
WARWICK

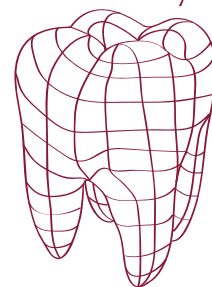


History

Since the first dental programmes were introduced in 2003, Warwick Dentistry has grown rapidly to become a major provider of dental education and training.

Be part of this winning and ground breaking formula.





MSc in Endodontics

The MSc degree in Endodontics answers the higher educational requirements and expectations of GDP's wishing to acquire advanced endodontic skills or expand upon existing knowledge and skills. It develops and refines the core competencies essential to the management of difficult and advanced clinical cases as a predictable treatment modality in your own practice. The principle objective of the programme is to provide dental practitioners with the core knowledge and tools essential for the delivery of high quality endodontic treatment and dental care in accordance with GDC recognised guidelines. It also promotes a deeper understanding of the various requirements essential to the provision of ethical, predictable and competent endodontic treatment.

The Diploma and MSc in Endodontics follows international guidelines

Clinical Training

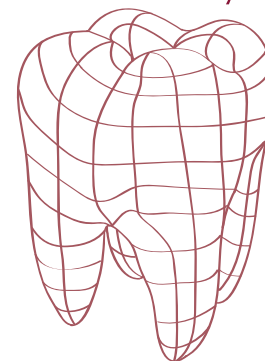
Operatory and clinical skills are fostered through a balance of continuing education and participation in courses held over one to several days duration. During hands-on training sessions you will be provided not just with information and research data but also acquire advanced clinical expertise, directly benefiting your personal practice and patients.

Through this unique educational experience practitioners will

- learn to differentiate between significant and less clinically relevant data
- understand how to critically appraise new information and techniques
- be able to synthesize knowledge from information

Quality Teaching

The faculty comprises of leading national and international specialists (Prof. Liviu Steier, Dr. Giampiero Rossi Fedele, Dr. Adi Moran, Prof. Edward Lynch, Prof. Clifford Ruddle, Prof. Fred Barnett, Prof. Sema Belli, Prof. Luca Giachetti, Prof. José Antonio Poli de Figueiredo, Dr James Prichard and many others). Teaching is delivered from The University of Warwick and its Regional Centres.



The Endodontist uniquely, is constantly faced with the challenging question whether "to save or to extract?"

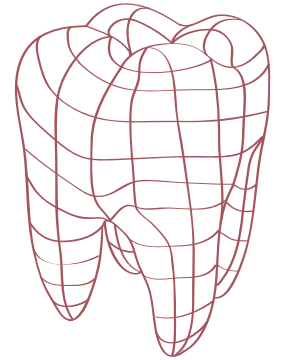
Incredible technologic advances supported by enormous volumes of research guarantee predictable extended survival and healing rates for pulpal infection (from indirect to direct capping procedures), for irreversible pulpitis (from single session root canal treatments to regeneration procedures) and for chronic apical periodontitis. Improving treatment perception of patients, raising success rates and most importantly preserving natural abutments for integration into functional restorations will be taught during the MSc programme.



This programme will significantly expand your professional armamentarium, by developing operational skills, abilities and confidence. It will instill the knowledge and academic abilities necessary to make informed treatment decisions, to formulate treatment plans and perform endodontic treatment to the highest level underpinned by evidence based dentistry. The MSc in Endodontics enhances professional development and rekindles professional pride that comes from academic attainment and clinical skill.

The MSc is a flexible experiential modular training programme which may be taken over a minimum of three years.

The degree programme comprises of three components, Certificate, Diploma and Master of Science years.

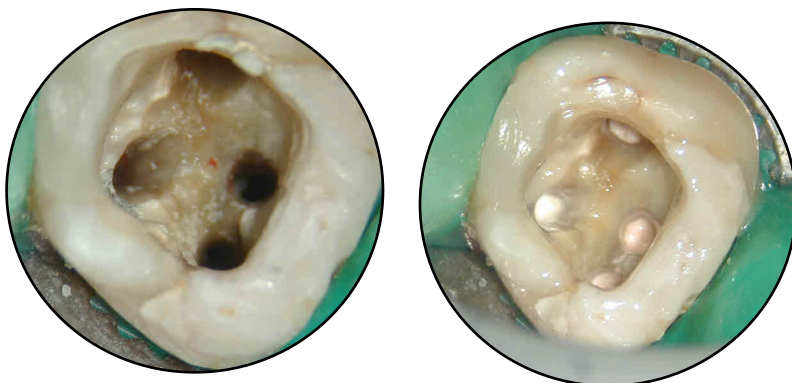


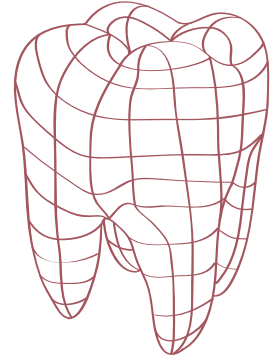
Principles in Endodontics Module - Year 1

First year training comprises on-going training made up of two separate components, theoretical and clinical. Through teaching sessions, group work, discussions and hands on experience, students are introduced to the concept of modern day Endodontics and given an overview of endodontic techniques. In practical sessions students develop their operative skills.

On completion of the module, students should be able to:

1. Understand the principles of endodontics at the forefront of knowledge in the speciality.
2. Evaluate the sterilization/disinfection procedures for prevention of cross infection in line with evidence-based practice.
3. Critically assess the different hand / rotary instrumentation techniques in shaping of the root canal system with reference to in-vitro studies and clinical data.
4. Critically assess the antimicrobial properties and the effects on tooth structure of root canal irrigants and medicaments advocated historically and supported by the current evidence-base.
5. Understand the rationale for management of complex pulpal and periradicular diseases and problems.
6. Critically evaluate the different canal obturation techniques including cold lateral condensation and thermo-plasticised gutta-percha techniques.
7. Use a range of study skills required for Masters level study including; literature searching, critical appraisal, academic writing and referencing.





Year 2 - (Diploma)

No dental programme would be complete without a strong clinically based component that fosters competency and the development of skills essential to the modern practice of endodontics. The second year of your training consists of two modules:

1. Clinical Practice Module
2. Surgical Endodontics Module

Diploma Year

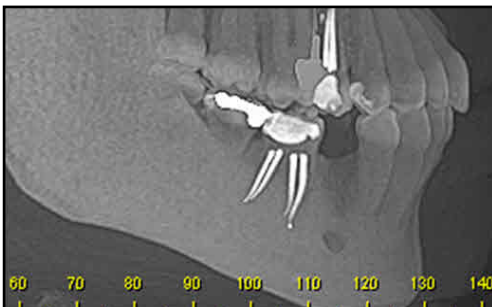
During the second year, in addition to the Clinical Practice module, you will participate in two teaching programmes delivered at The University of Warwick or Regional Centre.

Clinical Practice Module

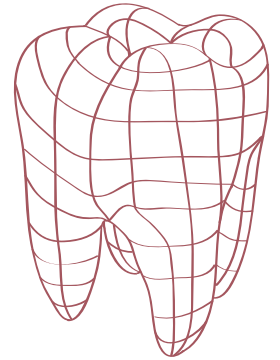
An integral part of your training will be assessment of pulpal health, treatment planning and microscopically aided obturation of root canals under the guidance of experienced endodontic specialists. The objectives of this module are to provide graduates with the biomedical knowledge and fundamentals of Endodontics. You will gain a sound academic and clinical understanding of the physiology and pathology of pulp, periradicular and surrounding tissues to enable you to achieve advanced diagnostic skills and predictably perform long term treatment goals.



Aims and Objectives of the Module



1. To enable students to understand the principles of the most advanced methods of re-root treating teeth.
2. To enable students to understand the principles of non surgical endodontics and apply knowledge which is at the forefront of knowledge.
3. To enable students to understand the limitations of endodontic treatment and the principles of minimally invasive exodontia.
4. To enable students to understand the management of complex and unpredictable endodontic conditions.

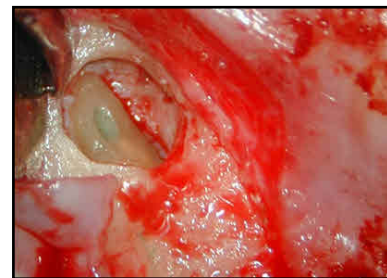


Surgical Endodontics Module

This exciting and stimulating module will teach you the very latest surgical protocols and skills essential to the management of apical pathology which is unresponsive to an orthograde approach.

On completion of the module, students will be able to:

1. Critically appraise current research literature for surgical endodontics and re-root treating teeth in order to be able to apply knowledge which is at the forefront of endodontic techniques.
2. Understand the principles of surgical re-root treating teeth and apply this to complex clinical situations.
3. Demonstrate a critical understanding of the retrograde approach in the use of surgical Endodontics.
4. Understand the techniques involved in the complex endodontic situation.
5. Understand the techniques involved in guided tissue regeneration and evaluate their appropriateness to given clinical situations.
6. Understand the team approach to surgical endodontics and critically evaluate its implementation in specific contexts.



Year 3 - Master of Science

To complete the third year of the programme it is necessary to produce original work that is informed by the forefront of research and evaluation in the field of implant dentistry, with the potential for publication for a professional audience. You will be able to critically evaluate professional practice in relation to the published evidence-base and your own professional experience. You will be expected to demonstrate an ability to undertake a systematic critical analysis of key service and organisational developments in your professional field and to undertake substantial independent study.

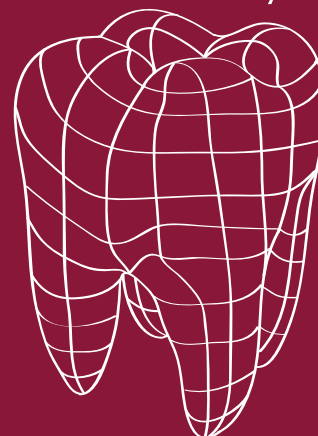


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