

EVERYDAY ENDODONTICS

WITH CONTEMPORARY MATERIALS

28 September 2024
8am - 5pm

29 September 2024
9am - 5pm

Simulation Lab (Level 9)
National University Centre For Oral Health Singapore (NUCOHS)

CPE Points: Number of points to come



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DR ODE WATARU
ENDODONTIST



A/PROF PATRICK TSENG
ENDODONTIST



DR SARAH CHUA
ENDODONTIST



DR TAN EN EN
ENDODONTIST



DR HUANG SHUYAN
ENDODONTIST



DR CHEW HUIMIN
ENDODONTIST

Organised By:



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Synopsis:

There have been two recent jumps in the field of endodontics. First, the introduction of martensitic nickel titanium alloys in rotary files has allowed for the predictable cleaning and shaping of curved canals. Second, the introduction of calcium silicate sealers - also known as bioceramic sealers. The hydrophilic nature of bioceramics, as well as their sealability, biocompatibility, high alkaline pH, and ease of delivery, makes them a promising material to be used in endodontics.

This course aims to prepare the general dental practitioner with the knowledge and skills to work with contemporary materials to perform successful and predictable root canal treatment. There will be a variety of instruments and materials from various vendors so that you can choose the unique mix that works best for you.

Jump into the hands-on practice of cleaning and shaping with several file systems - the variable taper files, fixed taper files, reciprocating files, as well as shaping file that is able to contract and expand to adapt to the canal morphology. Start by using each file system on plastic blocks, then move on to using your preferred file system(s) on the extracted teeth. Radiographic facilities are available on-site for you to assess the change in the canal space before and after cleaning and shaping.

Obturation with bioceramic sealers has been simplified by the use of a single cone hydraulic condensation. Explore various ways of introducing the sealer in the root canals, as well modification of the technique to obturate ovoid canals. At the end of the session, evaluate your rootfill radiographically, as well as by serial sectioning of your obturated roots to see which technique works best in your hands.

Finally, learn how we can still place fibre posts when obturating with bioceramic sealers. Safely reduce the height of your root fill in the same setting to place a fibre post when deemed necessary. Try out both parallel and tapered fibre posts to see which is a better fit for various root morphologies.

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Course Outline:

Saturday 28 September:

8am - 9am: Microscope orientation, assessment of access cavities

9am - 11am: Introduction to cleaning and shaping: Lectures and hands-on

11am - 11.20am: Morning Tea

11.20am - 1pm: Hands-on practice with extracted teeth

1pm - 2pm: Lunch

2pm - 5pm: Introduction to obturation with bioceramic sealers: Lecture and hands-on

Sunday 29 September:

9am - 11am: Lectures by A/Prof Patrick Tseng

1. Understanding Pulp and Periapical Disease

2. Endodontic Record Keeping and Patient Communication

3. Success and Survival of Endodontically-Treated Teeth

11am - 11.30am: Morning Tea

11.30am - 1pm: Hands-on practice with extracted teeth

1pm - 2pm: Lunch

2pm - 4pm: Fibre posts: Lecture and hands-on

4pm - 5pm: Assessment of obturated extracted teeth: X-ray and serial sectioning

Please bring along:

- Your personal dental loupes if you use them at work
- At least 3 extracted teeth with the access cavities prepared
 - 2 canal premolar
 - Lower molar with an ovoid distal root
 - Upper first molar
- Please bring more extracted teeth with access cavities prepared for more hands-on practice

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What will be covered:

- Orientation to the use of a microscope
- Hands-on cleaning and shaping of extracted teeth with a range of file systems
 - ProTaper Ultimate
 - Reciproc Blue
 - EdgeEndo X7
 - FKG XP shaper and finisher
- Hands-on obturation with bioceramic sealers
 - Explore various techniques of introducing the sealer
 - Obturate ovoid canals with bioceramic sealers
- Hands-on cementation of fibre posts
- Evaluate your work with
 - Radiographic assessment (X-ray facilities available on site)
 - Serial sectioning of obturated roots after completion
- Lectures
 1. Understanding Pulp and Periapical Disease
 2. Endodontic Record Keeping and Patient Communication
 3. Success and Survival of Endodontically-Treated Teeth

Why Join Us?

- Excellent endodontist-to-participant ratio
- Work with the dental operating microscope
- Hands-on programme with on-site x-ray facilities for immediate evaluation
- A strong slant on obturation with bioceramic sealers
- Try various brands of rotary files, bioceramic sealers, and fibre posts/resin cements

Refund A participant can decide to withdraw from a course at least 7 days of notice prior to commencement date. Refund will take 1-2 weeks. No full refund will be issued if the participant fails to notice Royce Dental Academy in less than 7 working days before commencement date.

Disclaimer Royce Dental Academy reserves the right to cancel, postpone or modify the announced course content, limit enrolment, or change the location, time, date or speaker due to unforeseen circumstances. We will notify participants in 3 working days upon knowledge of any changes or termination of the course.