

FROM ACCESS TO APEX; CURRENT CONCEPTS IN CONTEMPORARY ENDODONTICS

Join us for a comprehensive exploration of contemporary endodontics with expert speakers from Kings College London, the University of Melbourne, and the National University of Singapore.

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- Launching in February 2025, this exclusive recorded webinar series is available for just \$327 (inclusive of 9% GST).



NUS Dentistry Presenters



**Assoc Prof
Victoria Yu**
BDS, MSc, PhD

Victoria Yu is Associate Professor of Endodontics in the National University of Singapore (NUS) and Senior Consultant in the National University Healthcare System (NUHS). She received her BDS and PhD from NUS and the Master of Science in Endodontics (MSc with Distinction) from the University of London, UK. Victoria teaches endodontics in the undergraduate curriculum and is the programme director of the postgraduate Master of Dental Surgery in Endodontics in NUS.

As a clinical researcher, Victoria works with scientists to find innovative solutions to endodontic problems. Her team is actively studying pulpotomy as a definitive alternative to conventional endodontic treatment and is interested in disruptive technology to protect and preserve the permanent dentition.

Dr Wataru Ode obtained his Bachelor of Dental Surgery at the National University of Singapore (NUS) in 2009. He received the NUHS Academic Medicine Development Award to pursue his Master of Dental Surgery (Endodontics) from NUS and obtained membership from the Royal College of Surgeons of Edinburgh in 2016. He has been certified as an accredited specialist in Endodontics with the Singapore Dental Council since 2019.

At present, he is a Consultant in Endodontics and holds the position of Head of the Division of Endodontics at the National University Centre for Oral Health Singapore (NUCOHS). He is also the Director of the Office of Continuing Education, NUCOHS and concurrently holds the positions of Assistant Professor of Endodontics and Assistant Dean (Lifelong Learning) in the Faculty of Dentistry, NUS. He is heavily involved in undergraduate and postgraduate education and spearheads the continuing education initiatives of the NUCOHS and the Faculty.



**Dr
Wataru Ode**
BDS, MDS, M
Endo RCS (Ed)

Lecture Highlights

1 Understanding the Root Canal System: How to Make Difficult Root Canal Treatments Simple



Prof Francesco Mannocci
(Kings College London)

The understanding of the complexity of the root canal system is essential for the correct planning of endodontic treatments, this lecture will show how to use Periapical Radiographs and Cone Beam Computed Tomography to help in the detection of, and access to difficult root canals including calcified canals, MB2s, isthmuses, lingual canals of mandibular incisors and how to use this information to choose the appropriate rotary files and irrigation techniques for the preparation and disinfection of challenging root canals.



2 Route to the Root and Beyond - Navigating Endodontic Access and Canal Medication Selection



Dr Francis Chan
(University of Melbourne)

An appropriate endodontic access lays the foundations for the subsequent steps in endodontic treatment. This lecture will discuss the rationale and evidence of various types of endodontic access cavity designs and highlight common pitfalls. It will also explore commonly used intracanal medicaments and their indications.



3 Rotary NiTi Instrumentation - Principles and Practical Considerations



Prof Peter Parashos
(University of Melbourne)

This lecture will describe the biological basis for root canal instrumentation and practical aspects that should be considered.



Lecture Highlights

4

Penetrating Deep into the Chemical Significance of Endodontic Irrigants



Dr Wataru Ode

(National University of Singapore)

This lecture will highlight the indispensable role of root canal irrigation, emphasising its equal importance alongside the mechanical aspect of debridement. Our aim is to explore the biological underpinnings and multifaceted functions of endodontic irrigants, with a focus on microbial eradication, debris dissolution, and delivery methods. Discussions will encompass potential complications, activation methods, and future innovations, underscoring the paramount importance of chemical dynamics in comprehensive endodontic debridement.



5

Filling the Root Canal System for a Predictable Treatment Outcome



Assoc Prof Victoria Yu

(National University of Singapore)

Following an optimal access, debridement, and disinfection of the root canal system, we aim to fill this space 3-dimensionally with close adaptation of the filling material to dentinal walls. This lecture will examine traditional concepts and evaluate contemporary techniques and materials, to propose a strategy to achieve predictable treatment outcome for our patients.



6

Contemporary Conservative Options for Restoring an Endodontically Treated Tooth with Emphasis on Digital Endodontics and Preservation of Tooth



Dr Noushad Rahim

(Kings College London)

The final act of the technical aspect of root canal treatment is restoring the tooth to limit coronal leakage and to return the tooth to its proper form, function and aesthetics. The remaining structural integrity of the endodontically treated tooth has been established to be a key marker for its survival. Hence with the advances in resin adhesives and tooth-coloured restorative there is less reliance on retentive and resistance features of tooth preparation and more on bonding and preservation of the tooth especially enamel and the peri cervical dentine. This lecture will discuss concepts reflecting a conservative restorative approach retaining as much natural tooth structure as possible and its impact on endodontic and restorative outcomes.

