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SINGAPORE DENTAL ASSOCIATION

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3RD EDITION WITH ONE EXTRA DAY, SAME FEE

ADVANCED ENDODONTICS

with
Dr. Abhishek Parolia



4 Day Workshop

4 - 7 Sep 2025, 9.00am - 5.30pm
Venue : TBC

SDA Members: S\$2,300 (w/gst S\$2,507)
Non-SDA Members: S\$3,000 (w/gst S\$3,270)

For enquiries, please contact 6258 9252 or email cde@sda.org.sg.
To register, [click here](#) or scan the code today.





**Ready to take your skills at
endodontics up a notch?**

Join Us

for the comprehensive Advanced Endodontics Workshop and improve your skills with Associate Professor Dr. Abhishek Parolia [BDS (Manipal), MDS (Manipal), MFDS RCPS (Glasgow, UK), FDS RCS (Edinburgh, UK), PhD (Malaysia)].

This workshop highlights the benefits of illumination/magnification using operating microscopes, ultrasonics, advanced rotary endodontic files, retreatment endodontic files, newer irrigation devices, thermoplasticised obturation techniques/systems, bioceramic based root canal filling, latest bulkfil materials to achieve predictable coronal seal and management of badly broken-down teeth using post and core. There will also be clinical tips and tricks to manage teeth with open apex, perforation, ledges, and separated instruments.

Upon completing the formative assessment, participants will be awarded with a Certificate of Completion.

Length of Course

- 4 full days of face-to-face lectures, demonstrations and hands-on workshops on extracted teeth and 3D printed tooth models

Workshop Contents

Day 1

- Pathogenesis and diagnosis of failed endodontic cases
- Diagnosis and management of cracked teeth
- Role of CBCT in diagnosing failed endodontic cases
- Importance of microscope to achieve higher success in managing failed endodontic cases
- Minimally invasive access cavity preparation in endodontic retreatment
- Use of ultrasonics in endodontic retreatment
- Root canal morphological variations and its implications for root canal retreatment
- Management of teeth with severely curved and calcified canals
- Understanding of latest rotary and retreatment files in removing old root canal filling
- Latest techniques to achieve disinfection of the root canal system in failed endodontic cases
- Various obturation techniques to achieve '3D' root canal filling
- Management of teeth with large periapical lesions
- Management of teeth with immature/open apex using various treatment modalities
- Problem-solving in endodontics
- Management of teeth with perforation, ledge, and separated instrument

Day 2

- Endodontic treatment of maxillary/mandibular molar teeth: access to obturation under the microscope
- Endodontic retreatment of maxillary/mandibular molar teeth: access to obturation under the microscope
- Use of latest retreatment endodontic files and latest technology in root canal disinfection
- Use of thermoplasticised obturation techniques and systems
- Use of bioceramic based obturation techniques and systems

Course Fees: SDA Member S\$2,300, Non-SDA Member S\$3,000 (excluding GST)
Limited to 25 pax. Join SDA today for more exciting deals and programmes!

Payment can be by cash, cheque, fund transfer or PayNow. Registration is on a first-come-first-served basis and is valid upon full payment. If payment is not received within 1 week of registration, the slot will be released to other participants. There will be NO REFUND for cancellations or absence. SDA reserves the right to amend, cancel or postpone the programme, change the event venue, date or time without prior notice.



Workshop Contents

Day 3

- Management of mandibular second molar teeth with 'C' shaped canal under the microscope
- Management of teeth with perforation using MTA and other materials
- Handling of various bio-ceramic based materials
- Management of teeth with immature/open apex using various modalities

Day 4

- Management of badly broken-down teeth using post and core
- Management of teeth with ledge
- Removal of separated instrument from the root canal
- Problem-solving in Endodontics
- Short assessment and reflection

Demonstration & Hands-On

- Use of microscope/magnification in Endodontics
- Endodontic treatment: access to obturation in maxillary and mandibular molars
- Endodontic retreatment: access to obturation in maxillary and mandibular molars
- Minimally invasive access cavity preparation in molars under the microscope
- Use of ultrasonics in molar endodontic retreatment cases
- Management of cases using latest retreatment rotary files
- Use of sonics and ultrasonics in Endodontic disinfection
- Use of thermoplasticised obturation techniques to secure '3D' seal
- Use of bioceramic based obturation techniques and systems to secure '3D' seal
- Management of mandibular second molar teeth with 'C' shaped canal
- Perforation repair using MTA and other materials
- Handling of various bio-ceramic based materials
- Management of teeth with immature/open apex using various modalities
- Management of badly broken-down teeth using post and core
- Management of ledge
- Management of separated instrument

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Programme Outline

DAY 1

Timings	Topic
0830	Registration
0900	Clinical case selection, decision making and role of CBCT in nonsurgical endodontic retreatment. Diagnosis and management of cracked teeth
1030	Tea Break
1045	Strategies to achieve minimally invasive access preparation, importance of microscope, latest concepts and technology of disinfection and '3D' obturation in managing failed endodontic cases. Management of teeth with severely curved and calcified canals
1230	Lunch
1330	Management of teeth with immature/ open apex and large periapical lesions
1530	Problem solving in endodontics: Management of teeth with perforation, ledge and separated instruments
1700	Group reflection and feedback
1730	End of Day 1 Programme

DAY 2

Timings	Topic
0830	Tea
0900	<ul style="list-style-type: none">• Maxillary and mandibular molar access preparation under operative microscope and use of ultrasonics in endodontic pretreatment.• Latest endodontic retreatment rotary instruments, thermoplasticised obturating material or systems
1230	Lunch
1330	Endodontic treatment and retreatment of maxillary and mandibular molar teeth: access to obturation under the microscope
1700	Reflection and feedback
1730	End of Day 2 Programme

Programme Outline

DAY 3

Timings Topic

0830 Tea

0900 Management of mandibular second molar teeth with 'C' shaped canal under the microscope
Use of bioceramic based obturation techniques and systems

1230 Lunch

1330

- Management of teeth with perforation using MTA and other materials
- Handling of various bio-ceramic based materials
- Management of teeth with immature/open apex

1700 Group reflection and feedback

1730 End of Day 3 Programme

DAY 4

Timings Topic

0830 Tea

0900

- Management of badly broken-down teeth using post and core
- Management of teeth with ledge

1230 Lunch

1330 Removal of separated instrument from the
root canal
Short assessment

1700 Reflection and feedback

1730 End of Day 4 Programme



Endodontic retreatment can be very challenging for clinicians especially in decision making to get the best outcome of a previously failed endodontic treatment.

Understanding the reasons for the failure, achieving minimally invasive access, complete removal of old root canal filling material, root canal morphological variations, predictable debridement using latest concepts and gadgets, three-dimensional obturation and good coronal seal are very essential factors for the success of a endodontic retreatment.

Therefore, this 4-days advanced endodontics workshop will focus on a systematic approach to formulate the clinical diagnosis, use of microscope, ultrasonics, and evidence-based treatment protocols to accomplish the predictable success in treating failed endodontic cases.

Learning Objectives

Upon completion of the programme,
the candidate should be able to:

ENHANCE

the evidence-based knowledge and improve skills in managing failed endodontic cases in clinical practice

DEVELOP

familiarity with the use of magnification and latest instruments and technology in managing failed endodontic cases with a higher degree of confidence and predictability

BOOST

confidence in managing teeth with open apex and large periapical lesions

MANAGE

teeth with perforation, ledges and separated instruments



Requirements for Certification

1. Attendance at 4-day in-person lecture & workshop.
2. Complete a short assessment held at the end of the course.

BDS, MDS, FDS RCPS (Glasgow), FDS RCS (Edinburgh), PhD
Associate Professor
Department of Endodontics
College of Dentistry and Dental Clinics
University of Iowa, Iowa,



Associate Professor

Dr. Abhishek Parolia

He is currently working as an Associate Professor in the Department of Endodontics, University of Iowa College of Dentistry and Dental Clinics, Iowa City, Iowa, USA. He has been the Associate Dean for Postgraduate, Continuing Education and Research in International Medical University, Malaysia. He is a member of American Association of Endodontists, International Association of Dental Research, Fellow of Royal College of Physicians and Surgeons of Glasgow and Royal College of Surgeons Edinburgh UK. He is an Examiner for the Diploma of Membership of the Faculty of Dental Surgery (MFDS), The Royal College of Surgeons of Edinburgh, UK. He graduated from Manipal University and awarded a gold medal in Conservative Dentistry and Endodontics. He has been very active in practicing micro-Endodontics and has a vast experience in training dentists. His professional accomplishments include research incentive awards in 2010 and 2011 from Manipal University, best newcomer in 2011, awards for invaluable contribution in leading ICDAS initiative in 2014, E-learning Innovation Award and best lecturer nomination in 2016 from International Medical University. He was awarded the best faculty presentation (Education Research Group) in 2017, International Association of Dental Research, San Francisco, USA. He has also been awarded for developing a new postgraduate programme in Endodontics, long service in 2022 and Teaching Innovation Award in AMEEE Glasgow 2023 (Team Category). His key areas of clinical interest are micro-endodontics, disinfection in endodontics, endodontic retreatment, Endodontic outcome, clinical audit, and governance. He has secured national grants worth of total 150000 USD as a principal and/or co-investigator and published more than 90 scientific papers in national and international peer-reviewed journals and authored six chapters in different textbooks. He has conducted hands-on training workshops and lectured locally and internationally at many countries namely USA, Singapore, Brazil, Hong Kong, Dubai, India, Malaysia, Philippines, Thailand, Indonesia, Cambodia, Vietnam, Belgium, Dominican Republic, Australia, and Canada.