



ORGANISED BY
SINGAPORE DENTAL ASSOCIATION



SUPPORTED BY
DENTSPLY SIRONA & CARL ZEISS

ADVANCED MICRO- ENDODONTICS

with
Dr. Abhishek Parolia

CPE
Points **22**
for 3-days workshop

3 Day Workshop

29 November - 1 December 2024

9am - 5.30pm

Venue : NUS Simulation Lab

SDA Members: \$2,300

Non-SDA Members: \$3,000

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 Basic and Advanced Micro-Endodontics Workshop and improve your skills with Associate Professor Dr. Abhishek Parolia [BDS (Manipal), MDS (Manipal), MFDS RCPS (Glasgow, UK), MFDS 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 passing the formative assessment, participants will be awarded with a Certificate of Completion.

Length of Course

- 3 full days of face-to-face lectures, demonstrations and hands-on workshops on extracted teeth.

Workshop Contents

- Pathogenesis and diagnosis of failed endodontic cases
- 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 and implications for root canal retreatment
- Understanding of rotary files

Day 1

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

- Management of teeth with perforation using MTA and other various materials
- Management of badly broken-down teeth using post and core
- Management of teeth with open apex (Apexification)
- Removal of separated instrument from root canal
- Problem-solving in Endodontics
- Management of teeth with ledge

Day 3

Demonstration & Hands-On

- Use of microscope/magnification in Endodontics
- Endodontic treatment and retreatment: access to obturation in maxillary and mandibular molars
- Minimally invasive access cavity preparation 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
- Management of badly broken-down teeth using post and core
- Management of open apex (Apexification)
- Perforation repair using MTA and other materials
- Management of ledge
- Management of separated instrument

Course Fees: SDA Member \$2,300, Non-SDA Member \$3,000. (gst inclusive)
Limited to 25 pax.

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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.



Programme Outline

DAY 1

Timings	Topic
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0830	Registration
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0900	Clinical case selection, decision making and role of CBCT in nonsurgical endodontic retreatment
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1030	Tea Break
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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
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1230	Lunch
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1330	Management of large periapical lesions and open apex
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1530	Problem solving in endodontics: Management of teeth with perforation, ledge and separated instruments
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1700	Group reflection and feedback
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1730	End of Day 1 Programme
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DAY 2

Timings	Topic
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0830	Tea
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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
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1230	Lunch
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1330	Endodontic treatment and retreatment of maxillary and mandibular molar teeth: access to obturation under the microscope
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1700	Reflection and feedback
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1730	End of Day 2 Programme
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DAY 3

Timings	Topic
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0830	Tea
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0900	<ul style="list-style-type: none">• Use of bio-ceramic based obturation techniques and systems to secure '3D' seal.• Management of badly broken-down teeth using post and core.• Management of open apex (Apexification).
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1230	Lunch
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1330	<ul style="list-style-type: none">• Management of teeth with perforation using MTA and other materials• Management of ledge• Management of separated instruments
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1700	Group reflection and feedback
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1730	End of Day 3 Programme
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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 3-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 3-day in-person lecture & workshop.
2. Complete and pass the mini quiz held at the end of the course.

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



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 Surgeons Edinburgh and Royal College of Physicians and Surgeons of Glasgow, UK. He has been appointed as 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 for many years. His professional accomplishments include research incentive awards from Manipal University, award for invaluable contribution in leading ICDAS initiative, E-learning Innovation award and best lecturer nomination from International Medical University. He was awarded the best faculty presentation in International Association of Dental Research, San Francisco, USA. He has also been awarded for developing a new postgraduate programme in Endodontics, long service and Teaching Innovation Award in AMEEE Glasgow, UK (Team Category). His key areas of clinical interest are micro-endodontics, disinfection in endodontics, endodontic retreatment, modern management of dental caries, clinical audit, and governance.

He has secured grants worth of total 150000 USD as a principle and/or co-investigator, published more than 90 scientific papers in 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, Lebanon, India, Malaysia, Philippines, Thailand, Indonesia, Cambodia, Vietnam, Belgium, Dominican Republic, Australia, and Canada.