# Singapore Forum on Artificial Intelligence in Clinical Dentistry

SINGAPORE DENTAL ASSOCIATION

**CPE 7 Points (Non-Core)**

## 15 November 2026
## 8:00 AM – 5:00 PM

### Safe, Ethical and Evidence-Based Use of Artificial Intelligence in Dental Practice



### Background and Educational Rationale

Artificial intelligence is increasingly entering dental care through radiographic decision support, clinical documentation, charting, patient communication and administrative workflows. As adoption increases, dentists require more than awareness of new technology: they need the ability to evaluate evidence, recognize complications, protect patient information, recognize independent clinical judgment and implement AI safely within professional and regulatory obligations.

This forum is designed as a continuing professional education event that separates scientific education from commercial exhibition and uses evidence-based topics, discussion and governance principles. This helps dental professionals make safe and responsible decisions about AI in practice.

### PROGRAMME SESSIONS

- Session 1 — AI in Dental Education and Clinical Practice: Research, Evidence and Applications
- Session 2 — Clinical Applications: Evidence-Based and Practical Use of AI in Dental Practice
- Session 3 — Ethics, Professional Responsibility and Future Directions of AI in Dentistry
- Session 4 — Implementing AI Safety in Dental Practice
- Session 5 — Case-Based Clinical Decision-Making
- Session 6 — Expert Panel: Professional Responsibilities in the AI-Enabled Dental Practice
- Closing, Knowledge Check & Singapore Principles for Responsible AI in Dentistry

**Venue:**
i3 Building, NUS,
Singapore 119613

**Registration deadline:**
06 November 2026

**Fees (inclusive of GST):**
SDA Member: $49.05
Non-Member: $168.95

# PROGRAMME AGENDA

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| **8:00 - 8:45 AM** | Registration & Innovation Gallery — Non-CPE / Exhibition Activity |
| **8:45 - 9:00 AM** | Opening: Why Responsible AI Adoption Matters to Dentistry<br>Guest of Honour: Prof Patrick Tseng |
| **9:00 - 10:10 AM** | Session 1 – AI in Dental Education and Clinical Practice: Research, Evidence and Applications<br>Speaker: Prof Eugene Loh (NUS) |
| **10:10 - 10:30 AM** | Networking Break — Non-CPE |
| **10:30 - 11:40 AM** | Session 2 – Clinical Applications: Evidence-Based and Practical Use of AI in Dental Practice<br>• Speaker 1: Dr Samintharaj Kumar (Nuffield Dental)<br>• Topic: Clinical Applications of AI in Dentistry<br>• Speaker 2: Dr Hamed Fesharaki<br>• Topic: Practical Applications of AI for Private Dental Practitioners |
| **11:40 AM - 12:40 PM** | Session 3 – Ethics, Professional Responsibility and Future Directions of AI in Dentistry<br>• Speaker 1: Dr Wilson Lu (NUS)<br>• Topic: Ethics, Law and Professional Responsibility in AI-Enabled Dentistry<br>• Speaker 2: Dr Yu Na (NDCS)<br>• Topic: AI in Dentistry: From 1D to 4D — Current Applications and Future Directions |
| **12:40 - 1:25 PM** | Lunch & Innovation Showcase — Non-CPE / Exhibition Activity |
| **1:25 - 2:30 PM** | Session 4 — Implementing AI Safely in Dental Practice<br>• Speaker 1: Dr Richard Ang and Mr Samuel<br>• Topic: Safe and Responsible Implementation of AI in Dentistry<br>• Speaker 2: Dr Raymond Ang (Q&M Dental)<br>• Topic: Implementing AI in Everyday Dental Practice |
| **2:30 - 3:25 PM** | Session 5 — Case-Based Clinical Decision-Making<br>• Speaker 1: Dr Hamed Fesharaki<br>• Topic: AI-Assisted Planning and Clinical Decision-Making<br>• Speaker 2: Dr Li Hanyi (NDCS)<br>• Topic: AI in Orthodontics: Clinical Applications and Case Discussions |
| **3:25 - 3:40 PM** | Networking Break — Non-CPE |
| **3:40 - 4:30 PM** | Session 6 – Expert Panel: Professional Responsibilities in the AI-Enabled Dental Practice<br>Moderator: Dr Hamed Fesharaki<br>Proposed Panellists:<br>• Dr Kumar<br>• Dr Raymond Ang<br>• Dr Gerald Tan<br>• Dr Joe Lim |
| **4:30 - 4:50 PM** | Closing: Knowledge Check & Singapore Principles for Responsible AI in Dentistry |

# Speakers' C.V.

### Dr. Hamed Fesharaki

Dr Hamed Fesharaki, BDentSc (Trinity College Dublin)
Dr Hamed Fesharaki is a dental surgeon, entrepreneur, and Co-founder and CEO of Adravision, a dental AI company developing solutions to improve clinical decision-making, documentation, and patient care. A graduate of Trinity College Dublin, he has over a decade of clinical experience in Singapore, where he founded and operated dental practices. Combining his clinical expertise with a passion for technology, he has led the development and international deployment of AI solutions across dental clinics, healthcare institutions, and insurers. He currently chairs the Singapore Dental Association's AI Committee, promoting responsible adoption of artificial intelligence in dentistry.

### Dr. Yu Na

Assoc Prof Yu Na
Master in Dentistry - Wuhan University, China
Doctor of Dental Science - Radboud University Nijmegen, Netherlands
Bachelor in Dental Medicine and Surgery - Wuhan University, China
Researcher Interests in; Artificial Intelligence application in Dentistry, Digital Dentistry and 3D Printing, Biomaterials, tissue engineering, periodontal regeneration, and Chewing function and population oral health.

### Dr. Richard Ang

Dr. Richard Ang is CEO of Twin City Endodontic Group and a Singapore-registered Dental Specialist in Endodontics, holding a Master of Dental Surgery (Endodontics) from the National University of Singapore and a Master of Restorative Dentistry from the Royal College of Surgeons of Edinburgh. A Fellow of the Academy of Medicine, Singapore, he also lectures undergraduates at the NUS Faculty of Dentistry.
Leading a multi-clinic group, Dr. Ang now champions artificial intelligence to optimize clinic operations and systems, and to support diagnostic precision in endodontic treatment — bridging deep clinical expertise with the future of AI-driven dental practice.

### Mr. Samuel Chan

Samuel Chan is the Founder of Digital 9 Labs, a Singapore technology company delivering custom software, ERP systems and AI automation to small and medium enterprises across the region. A trusted technology partner to dental and healthcare practices, he has helped clinics transform operations — from patient enquiries and scheduling to billing, reporting and marketing — through smart digitisation. Samuel is also Co-Founder of CliniCore, an AI-powered clinic management platform built hand-in-hand with practising dentists to bring real-world automation into everyday dental workflows. He is driven by a clear mission: making powerful technology simple and accessible for clinic owners and their teams.

### Dr. Raymond Ang

Dr Ang Ee Peng Raymond is the Chief Operating Officer (COO) of Q & M Dental Group and was appointed Executive Director on 13 June 2008. He oversees the Group's clinic operations, including M&A activities and dentist management. Dr Ang graduated from the National University of Singapore with a Bachelor of Dental Surgery in July 1994. Following his graduation, he served as a staff officer in the Singapore Armed Forces Medical Corps before taking on an operational leadership role in another dental group practice. He joined Q & M Dental Group in April 2003. Dr Ang was an elected member of the Singapore Dental Council (SDC) from May 2009 to April 2024. He continues to serve on the SDC Ethics Committee and Complaints Panel and has also been appointed to the Ministry of Health's Dental Benchmark Committee. He has been a Fellow of the Academy of Dentistry International since September 2009 and Fellow of the International College of Dentist since November 2010. Dr Ang was presented with the prestigious Singapore Dental Association Meritorious Award in recognition for his contributions to the dental profession in Singapore.

### Dr. Gerald Tan

Dr Gerald Tan BDS ( Singapore )
Co-Founder: Oral Link Pte Ltd , AI Oral Health Screening for Public Health Deployment
Graduate : AI for Healthcare Certification Program NUS Yong Loo Lin School of Medicine
Founder : Elite Dental Group Singapore Pte Ltd

### Prof. Eugene Loh

Dr Eugene Lester Loh is a Senior Lecturer in the Discipline of Orthodontics and Paediatric Dentistry at the National University of Singapore (NUS), Faculty Alumni Lead, and Senior Consultant in Orthodontics at the National University Centre for Oral Health Singapore (NUCOHS). He holds a Bachelor of Dental Surgery from NUS and a Masters of Dental Science in Orthodontics from the University of Sydney, and a Diploma in Practice Management with High Distinction. He is the module coordinator for undergraduate orthodontic education and a supervisor in postgraduate residency training. A former Singapore Dental Association Honorary General Secretary, he has received multiple teaching awards, including NUS's 2026 Innovative Teaching Excellence Award in Artificial Intelligence.

### Dr. Samintharaj Kumar

Dr Samintharaj Kumar is a Singapore-based dental surgeon and medical doctor, and CEO of Nuffield Holdings. His clinical work includes implant dentistry, full-arch rehabilitation, zygomatic implants and ceramic implantology. He treats patients with complex medical needs and dental anxiety. He is a Diplomate of the International Congress of Oral Implantologists and teaches on the Nuffield Academy ICOI Fellowship Course. His work also involves healthcare management and the use of artificial intelligence in clinical settings, including documentation, treatment planning, patient communication and practice workflows.

### Dr. Wilson Lu

Dr Wilson Lu is a Specialist Orthodontist and Head of the Division of Orthodontics at the National University Hospital (NUH), Singapore. He also serves as Director of the Office of Innovation and Clinical Excellence at the National University Centre for Oral Health Singapore (NUCOHS). A graduate of the National University of Singapore and recipient of the NUH Academic Medicine Development Award for specialist training, Dr Lu leads initiatives in digital dentistry, healthcare informatics, and clinical transformation. His work focuses on the responsible integration of artificial intelligence into dental practice and education to enhance decision-making, improve patient outcomes, and strengthen healthcare delivery through innovation."

### Dr. Li Hanyi

Hanyi Li practices orthodontics at the National Dental Centre Singapore and holds a Master of Dental Surgery in Orthodontics from the National University of Singapore. Passionate about innovation, he is particularly interested in applying artificial intelligence and 3D printing to orthodontics and dentistry. A regular contributor at international conferences, Hanyi serves on the Executive Committee of the Association of Orthodontists (Singapore) and chairs the Future Leaders of Orthodontic Societies (FLOS), a residents' leadership group under the World Federation of Orthodontists. He believes shared passions and values can bring people together across geographies and cultures.

### Dr. Joe Lim

Dr Joe Lim graduated from the National University of Singapore (NUS) under a public sector scholarship and has held various leadership appointments within the Singapore Armed Forces (SAF), most recently serving as the Head Dental Officer and Healthcare Systems Integration Officer. He continues to serve in a Head of Training appointment within the SAF. Having played a key role in the digital transformation of military healthcare services, Dr Lim brings extensive experience in healthcare leadership, clinical operations and technology adoption. Currently a managing partner in a private dental practice, he actively develops digital solutions to address operational challenges and explores the application of agentic artificial intelligence in healthcare. His interests centre on the responsible adoption of AI, particularly its safety, clinical integration and potential to transform healthcare delivery.