Inaugural NUS Dentistry-NUCOHS Clinical Dentistry and Research Symposium (CDARS)

Advancing Clinical Dentistry through Research and Innovation

Date : **Sunday, 17 May 2026**
Time : **9:00am to 5:30pm**
Venue : NUHS Auditorium, Level 1, 1E Kent Ridge Road, Singapore 119228
CPE : 8 Points

Register here

Registration closes 7 May 2026

Registration Fees

Categories	Dentists	NUSDEN Full-time Faculty and NUHS Staff with Joint Appointment	Dental Officers*, Dental Auxiliary, Dental Students* and Graduate Symposium Presenters
Early-bird Rate (Extended to 30 April 2026)	$290	$220	$180
Regular Rate	$350	$280	$240

**Dental Officers and Dental Students to register using either their MOHH email address or Student email address, respectively.*

Speakers

Professor
Alvin G. Wee

Professor
Philip Preshaw

Associate Professor
Georgios Tsilingaridis

Dr
Lai Ye Choung

Professor
Peng Xin

Dr
Yong Chee Weng

Jointly organised by:

NUS National University of Singapore | Centre for Advanced Dental Education
Faculty of Dentistry

National University Centre for Oral Health Singapore

For enquiries, please contact NUS CADE at cdars@nus.edu.sg

Programme

Time	Speaker	Topic
9:00am to 9:15am	Professor Chris Peck *Dean, Faculty of Dentistry* *&* Associate Professor Raymond Wong *Vice-Dean* *(Graduate Studies &* *Lifelong Learning)*	Opening Speech
9:15am to 10:00am	Professor Alvin G.Wee	Beyond the Human Eye: Update on Electronic Shade Matching
10:00am to 10:45am	Professor Philip Preshaw	Periodontitis and Diabetes – an Inflammatory Combination
10:45am to 11:15am	Tea + Trade Exhibition	
11:15am to 12.00pm	Professor Peng Xin	Digital and Intelligent Workflow for Oral and Maxillofacial Oncological Surgery
12:00pm to 12:45pm	Dr Yong Chee Weng	Prevention of MRONJ in Osteoporotic Patients - too much or too little?
12:45pm to 2:00pm	Lunch + Trade Exhibition	

Programme continued on next page

Programme

2:00pm to 2:30pm	Dr Lai Ye Choung	Malocclusions in Children: Do we intervene, or do we wait?
2:30pm to 3:15pm	Associate Professor Georgios Tsilingaridis	Intrusive Luxation and Avulsion in the Growing Patient: Evidence-Based Management and Long-Term Outcomes
3:15pm to 3:45pm	Tea + Trade Exhibition	
3:45pm to 4:45pm	Panel Discussion Moderator: Dr Gabriel Lee Speakers: Associate Professor Georgios Tsilingaridis, Associate Professor Catherine Hong, Associate Professor Intekhab Islam, Dr Tay Chong Meng	Management of the medically-complex patient
4:45pm to 5:15pm	Wrap-Up	

Speaker

Professor Alvin G. Wee

Dr Wee is a maxillofacial prosthodontist and academic leader with extensive training in dentistry and public health. He earned his BDS from the National University of Singapore, followed by a Certificate in Prosthodontics and an MS from The University of Iowa. He then completed a Certificate in Maxillofacial Prosthetics at the University of Pittsburgh Medical Center, a Certificate in Clinical Research and an MPH at The Ohio State University, a DDS at Creighton University, and a PhD at the University of Nebraska.

He has authored 120 peer-reviewed publications, 72 peer-reviewed abstracts, 24 non-refereed publications, and chapters in four textbooks, and is one of the editors of the forthcoming 14th edition of Prosthodontic Treatment for Edentulous Patients.

Dr Wee is currently a tenured Full Professor and Chair of the Department of Restorative Dentistry at the University of Washington School of Dentistry. He also holds the Washington Dental Service Endowed Chair in Dentistry and maintains a part-time clinical role within the Veterans Affairs Health Care System, where he treats patients with complex oral rehabilitation needs.

He is a Past President of the American Academy of Maxillofacial Prosthetics, Honorary Treasurer of the International Academy of Oral and Facial Rehabilitation, and serves on the Board of Directors of the American College of Prosthodontists as Director of the Prosthodontic Forum. Dr Wee is also one of three Assistant Editors of The Journal of Prosthetic Dentistry.

Synopsis

“Beyond the Human Eye: Update on Electronic Shade Matching”

The total color replication process for any dental prosthesis consists of a shade-selection phase followed by a shade-duplication phase. Shade selection can be accomplished either through visual assessment or instrumental color analysis. With the growth of digital dentistry, this process has evolved to include the use of intraoral scanners and artificial intelligence for shade selection. The shade-duplication phase for teeth and gingiva has also advanced through the adoption of milling and 3D printing technologies. Additional factors that must be considered in the replication process include the color stability of dental materials, color changes due to external staining, and age-related changes in tooth color. This presentation will focus primarily on the total color replication process for various types of dental prostheses. Clinical recommendations to improve color matching will also be provided.

Speaker

Professor Philip Preshaw

Professor Philip Preshaw is Editor of the British Dental Journal and Honorary Professor in Periodontology at Newcastle University. He was previously Dean of Dentistry and Professor of Periodontology at the University of Dundee. He received his dental degree from the University of Newcastle upon Tyne in 1991 and his PhD in 1997.

He is a registered specialist in Periodontics and a Fellow of the Royal College of Surgeons of Edinburgh. His main research interests include the investigation of the pathogenesis of periodontal disease and the links between diabetes and periodontitis.

He has been awarded a UK National Institute for Health Research (NIHR) National Clinician Scientist Fellowship, a Distinguished Scientist Award from the International Association for Dental Research, and a King James IV Professorship from the Royal College of Surgeons of Edinburgh for his contributions to dental research. He is the immediate Past President of the British Society of Periodontology and Implant Dentistry.

Synopsis

“Periodontitis and Diabetes – an inflammatory combination

Epidemiological studies have demonstrated that diabetes is a major risk factor for periodontitis. This is of concern as the global prevalence of diabetes is increasing rapidly. Furthermore, we are witnessing a worldwide epidemic of obesity, which increases the risk for diabetes as well as other conditions. Diabetes is thus clearly established as a risk factor for periodontitis, and in addition, periodontitis has a negative impact on diabetes control. Indeed, we now consider that a two-way relationship exists between the two diseases, with each negatively impacting the other. Treatment studies have suggested that effective periodontal therapy can result in improvements in glycaemic control, with measurable reductions in glycated haemoglobin (HbA1c). Diabetes is now regarded as a pro-inflammatory condition, and inflammation is likely to underpin the links between the two diseases. In this lecture, current understanding of the relationship between diabetes and periodontitis will be presented, and the implications for the dental team will be considered.

Speaker

Professor
Peng Xin

Prof Peng Xin is Vice President of Peking University School of Stomatology, Beijing, China, and Director of the Beijing Key Laboratory of Digital Stomatology. He holds several prominent leadership roles, including Chairman of the Society of Skull Base Surgery under the China International Exchange and Promotive Association for Medical and Health Care, Chairman-Elect of the Society of Oral & Maxillofacial–Head & Neck Oncology of the Chinese Stomatological Association, and Chairman of the Specialist Training Committee of Oral and Maxillofacial Surgery of the Chinese Medical Doctor Association.

Prof Peng also serves as Regional Trustee of the AO Foundation and AOCMF Country Representative for China. Internationally, he is an Honorary Professor at the Faculty of Dentistry, The University of Hong Kong, and an Adjunct/Visiting Professor, Consultant and Surgeon at Universiti Kebangsaan Malaysia.

His research interests include oral and maxillofacial oncology, reconstruction of head and neck defects, diseases of the salivary glands, and the application of digital and intelligent technologies in stomatology. He has authored more than 308 scientific publications.

Synopsis

“Digital and Intelligent Workflow for Oral and Maxillofacial Oncological Surgery”

We have developed personalized surgical planning methods including multimodal image fusion, 3D preoperative visualization, virtual design for jaw reconstruction using vascularized fibula or iliac crest flaps, 3D-printed patient-specific plates and implant-guided rehabilitation for complex maxillary defects. Navigation systems and mixed reality technologies have been implemented to enable accurate tumor resection, osteotomy guidance, and precise positioning of reconstructed bone segments. In parallel, artificial intelligence has been integrated to enhance diagnostic and planning efficiency through deep learning-based tumor segmentation and classification from enhanced CT and MRI, automated reconstruction planning based on shape completion and morphometric descriptors, postoperative facial contour prediction using surface mesh deformation models. The synergistic integration of these digital and intelligent technologies has shifted clinical practice from an experience-driven to a data-driven paradigm, significantly improving precision, safety, and efficiency while enabling truly personalized treatment pathways.

Speaker

Dr
Yong Chee Weng

Dr Yong Chee Weng completed his basic dental training at the Faculty of Dentistry, National University of Singapore, where he received several prestigious awards, including the Dean's List, SDA Medal, TP Dental Surgeon Medal, and TRICE Award. He was subsequently awarded the Academic Medicine Development Award, enabling him to pursue specialty training in oral and maxillofacial surgery. Dr Yong was also honoured with the Henry TL Medal as the best graduate with distinction.

His clinical expertise focuses on functional and aesthetic orthognathic surgery for Asian patients, dental and skeletal surgery for sleep-disordered breathing, and temporomandibular joint surgery.

Beyond clinical practice, Dr Yong is actively involved in education, administration, and research. He plays a key role in the postgraduate oral and maxillofacial surgery training programme, serving as both curriculum coordinator and instructor, and contributes to regional and international education in the specialty. He has been recognised for his teaching excellence with the NUHS Teaching Excellence Award in 2022 and 2024.

During his final year of residency, Dr Yong gained experience in healthcare administration by coordinating the COVID-19 dormitory taskforce for NUCOHS, for which he received the Indomitable Spirit Award. He is also an active member of several institutional committees, including the Infection Control Committee, Sustainability Committee, EPIC NGEMR Training Team, and Appropriate Care Committee, and contributes to professional organisations such as the Association of Oral and Maxillofacial Surgeons (OMS) Singapore, the Chapter of Dental Surgeons Singapore, and the Singapore Dental Council.

As of 2024, Dr Yong has authored or co-authored over 40 peer-reviewed publications. His research interests include customised orthognathic care for Asian patients, maxillomandibular advancement surgeries, dental sleep medicine, and innovations in education. He also serves as a mentor for postgraduate oral and maxillofacial surgery research theses

Synopsis

“Prevention of MRONJ in Osteoporotic Patients- too much or too little?“

With an increasing global burden of osteoporosis, there is an expected proportional increase in patients who require anti-resorptive therapy. What strikes fear in many dental practitioners and patients will be the risk of MRONJ - a disease that can be difficult to eradicate. Naturally, we will want to prevent this disease as much as possible. However, how do we strike a balance between doing too much or doing too little?

Speaker

Dr
Lai Ye Choung

Dr Lai Ye Choung received his Bachelor of Dental Surgery from the National University of Singapore. He was subsequently awarded sponsorship to pursue his Master of Dental Surgery (Orthodontics) at NUS.

He was admitted as a Member in Orthodontics of the Royal College of Surgeons of Edinburgh in 2011 and was conferred Fellowship by the Academy of Medicine, Singapore, in 2014.

Dr Lai currently serves as a Senior Consultant at the National University Centre for Oral Health, Singapore, where he is engaged in specialist clinical practice. In addition, he actively contributes to the teaching and training of both undergraduate and postgraduate students.

He maintains strong academic and clinical interests in interceptive treatment and adjunctive orthodontics, with particular emphasis on interdisciplinary collaboration to enhance treatment planning and optimise treatment outcomes.

Synopsis

“Malocclusions in Children: Do we intervene, or do we wait?”

The transition from primary to permanent dentition begins around the age of six and unfolds over the next six to seven years. This is a critical period of craniofacial growth, guidance of eruption, and teeth and arch development. Subtle disturbances may result in malocclusion.

When confronted with developing malocclusion in children, clinicians face a pivotal question: intervene early, or monitor? This presentation aims to deliver a clinical guideline to support decision-making in the mixed dentition.

Participants will learn how to:

- Identify developing malocclusions that require immediate intervention
- Distinguish cases suitable for monitoring
- Understand the latest advances in interceptive treatment

Speaker

Associate Professor Georgios Tsilingaridis

Georgios Tsilingaridis is an Associate Professor, Head of the Division of Paediatric Dentistry, and Vice-Dean at the Department of Dental Medicine, Karolinska Institutet. He also serves as Director of Studies for all postgraduate dental education in the Stockholm Region. He graduated from Karolinska Institutet in 1997, completed his specialist training in Paediatric Dentistry at the Eastman Institute in Stockholm in 2004, and defended his doctoral thesis at Karolinska Institutet in 2013.

His research is clinically oriented and focuses on improving the diagnosis, treatment and follow-up care of children at high risk of poor oral health. His primary research area is traumatic dental injuries in the young permanent dentition, including regenerative treatment approaches, apexification, and the management of necrotic pulp, with the overarching goal of preserving tooth function and structure during growth. Additional research areas include caries prevention among socioeconomically disadvantaged children through early interventions and interprofessional collaboration, as well as oral health in children with chronic conditions such as osteogenesis imperfecta, Down syndrome, and childhood cancer survivors.

Dr Tsilingaridis has strong international engagement through his work with the International Association of Dental Traumatology (IADT) and the European Association of Paediatric Dentistry (EAPD). He is a board member of the IADT and has contributed to several committees within both organisations, including the development of international clinical guidelines for the management of traumatic dental injuries in children.

He is the author and co-author of numerous peer-reviewed scientific publications, co-author of Chapters 12, 16 and 17 in the *Textbook and Colour Atlas of Traumatic Injuries to the Teeth* (5th edition), and a co-author of the most recent IADT trauma guidelines. He has also held several national leadership roles, including Past President of the Swedish Society of Paediatric Dentistry and Past President of the Swedish national group of Directors of Studies for postgraduate education.

Synopsis

“Intrusive Luxation and Avulsion in the Growing Patient: Evidence-Based Management and Long-Term Outcomes”

Intrusive luxation and avulsion are the most severe dental injuries, causing extensive damage to the periodontal ligament, pulp, and alveolar bone. Although uncommon in the permanent dentition, they are associated with a high risk of complications, including pulp necrosis, root resorption, marginal bone loss, and dental ankylosis.
This lecture presents evidence-based, IADT-guided management of intrusive luxation and avulsion, with particular focus on critical treatment decisions at the time of injury and the prevention and management of ankylosis in the growing patient.

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A Dental Trade Exhibition has also been organised for the benefit and convenience of all participants.

Important Information

Registration Policy

Registration is on a first-come, first-serve basis. As seating in the Auditorium is limited, early registration is strongly encouraged.

Withdrawal / Refund Policy

A full refund, less a $25 administrative fee, will be granted for withdrawal requests submitted in writing and received by NUS Dentistry by 7 May 2026. No refunds will be provided after the closing date.

NUS Photography and Filming Notice

Please be aware that the National University of Singapore (NUS), authorised personnel for and on behalf of NUS (who will be carrying identification issued by NUS), and those at the Symposium may take photographs and videos during the event. NUS may use photographs and videos it takes and/or taken by authorised personnel for its marketing and publicity purposes in print, electronic and social media. If you do not wish to be photographed and/or video-recorded in this event, please notify one of the photographers or NUS staff. Thank you.

Directions

NUHS Auditorium (17 May – Clinical Symposium): Directions