

64th Annual IADR ANZ Scientific Meeting

 Wednesday 30th of September to Friday 2nd of October, 2026, Perth



*Bridging Science, Society & Smiles:
Advancing Oral Health Together*

Join leading oral health researchers, clinicians and innovators from Australia, New Zealand and beyond for three days of plenary lectures, symposia and oral presentations.

 **Pan Pacific Perth,
Western Australia**

Scientific program highlights



International and
domestic speakers



Plenary lectures,
symposia and
oral presentations



Networking and
gala dinner



Pre-Conference Day

13:00	Registration opens
13:00–16:30	CLOSED SESSION
Closed session:	
IADR Executive Council Meeting	
at UWA Dental School	
13:00–16:30	CLOSED SESSION
Closed Session:	
Colgate Hatton Poster Competition	
Convention floor – Level 2	
Pan Pacific Hotel – Perth	
Junior session: Hammersley North	
Senior session: Hammersley South	
16:30	End of Pre-conference Day
18:00–20:00	Colgate Welcome Reception – 18 Knots Rooftop Bar, Level 18, DoubleTree by Hilton Hotel in Elizabeth Quay

SYMPOSIUM • PLENARY • ORAL PRESENTATIONS • FEATURED / OPENING • BREAK / SOCIAL

DAY 1

Morning Program

8:00–8:30	Opening and Welcome to Country Golden Ballroom
8:30–8:45	Chair of Scientific Program: Professor Amr Fawzy Conference Program Opening Address
8:45–9:30	Colgate Eminent Speaker: Professor Josette Camilleri The hydraulic cement journey – Modulation to success
9:30–10:00	Professor Christer Dahlin 40 years of Guided Bone Regeneration: The Past and the Future
10:00–10:30	IADR Global President: Professor Jennifer Gallagher Partnership with purpose
10:30–11:00	Morning tea – Foyer 1 and 2

11:00–12:00 SYMPOSIUM: Population Oral Health at a Turning Point: Designing for Delivery, Not Just Discovery.

Chair: Prof. Colman McGrath
Golden Ballroom South

SPEAKERS:
Professor Jennifer Gallagher
Associate Professor Bradley Christian
Dr Soniya Nanda
Dr Mohammed Junaid

11:00–12:00 ORAL PRESENTATIONS: Digital Dentistry, Imaging, and Emerging Technologies

Chairs: Dr. Adam Hamilton & Dr. Sheryl Teo
Golden Ballroom Middle

- A. H. Brook** – Dental Development is a Complex Adaptive System and Tooth Agenesis is a variation of its Phenotypic Outcome
- Dilan Patel** – A systematic review of the effect of tooth agenesis on tooth, arch and facial profile dimensions
- A. Gurr** – Does Tooth Agenesis affect dental arch dimensions?
- G.V. Jose** – Automating the measurement of tooth morphology: A deep learning methodology
- Diya Harrypersadh** – A Review of the Genetic Aspects of Syndromes exhibiting both Tooth Agenesis and Anomalies of Brain Development
- L. Ding** – Bridging the App Gap: Evaluating Preventive Oral Health Apps for Children

11:00–12:00 PLENARY SESSION: Periodontics

Chair: Dr. Pradeep Koppolu
Golden Ballroom North

11:00–11:30 Professor Saso Ivanovski
Translation of Scaffold Guided Bone Regeneration: Challenges and Opportunities
11:30–12:00 Associate Professor Jaya Seneviratne
Beyond the Oral Microbiome: Integrating Multi-Omics to Bridge Science and Precision Oral Health

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Midday Program

12:00–13:00	IADR ANZ AGM (Lunch)
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13:00–14:00 PLENARY SESSION: Dental Materials

Chair: Prof. Amr Fawzy
Golden Ballroom South

13:00–13:30 Professor James Tsoi
From Design to Clinical Outcome: AI-Enabled Smart Manufacturing in Dentistry
13:30–14:00 Professor Vesna Miletic
Smarter Materials, Smarter Training: Shaping the Future of Restorative Dentistry

13:00–14:00 ORAL PRESENTATIONS: Paediatric & Special Needs Dentistry

Chairs: Dr. Therese Kvist & Dr. Ankita Saikia
Golden Ballroom Middle

- 1. **Dao Hang Nga** – Efficient Class II Correction with the Carriere Motion Appliance: A Case Report
- 2. **M.A.B. Paschoal** – Evaluation of the Effect of Silicon-Enriched Toothpaste on Teeth with Molar-Hypomineralization: A Randomized Controlled Clinical Trial
- 3. **M.A.B. Paschoal** – From Simulation to Clinical Diagnosis: Can 3D Models Improve Enamel Defect Diagnosis?
- 4. **Leah Hobbs** – Preventable Paediatric Dental Presentations to Emergency Departments: A Metropolitan Queensland Analysis
- 5. **Israa Awadh** – Resources and experience, not care: CALD children's dental service use

13:00–14:00 PLENARY SESSION: Craniofacial Biology & Regeneration

Chair: Dr. Sheetal Rajan
Golden Ballroom North

13:00–13:30 Professor Yin Xiao
Rebuilding Oral Tissues: The Promise and Reality of Regenerative Dentistry
13:30–14:00 Professor Minghao Zheng
Guided bone regeneration using natural derived biomaterials: from dental to orthopaedics

14:00–14:45	Break – Foyer 1 and 2
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Afternoon Program

14:45–15:45 SYMPOSIUM: An Update on Dental Caries Risk Assessment and Management.

Chair: A/Prof. Rahena Akhter
Golden Ballroom South

SPEAKERS:
A/Prof Rahena Akhter
Professor May Mei
A/Prof Kc Li

16:00–17:00 SYMPOSIUM: Strengthening Australia’s Rural Oral Health Workforce

Chair: Prof. Santosh Kumar Tadakamadla
Golden Ballroom South

SPEAKERS:
Dr Ernest Jennings
Dr Jyothi Tadakamadla
Dr Prabhakar Veginadu

17:00–18:30 ORAL PRESENTATIONS: Dental Public Health

Chair: Dr. Zarni Shakibaie
Golden Ballroom South

1. **Anthony Craig** – Oral Health Inequalities in the ADF: A Retrospective Observational Study.
2. **Aoi Yamada** – Possible relationship Between Perioperative Oral Care Interventions and Surgical Site Infection in Patients Undergoing Colorectal Cancer Surgery
3. **V. Dickson-Swift** – Advocacy in action: Improving oral health outcomes for rural communities in Victoria
4. **Marwa Mostafa** – Hospital Oral Health Encounters Among Justice-Involved Youth: National Linked Data
5. **A. Yokoi** – Association among oral hypofunction, malnutrition, postoperative complications and QoL in head-and-neck cancer survivors: a prospective cohort study.
6. **Xuanyu Chen** – Associations between sugar intake, oral microbiome ecology, and psychological distress in an Indigenous Australian cohort
7. **Sharon Jose** – Barriers and facilitators influencing oral health practices among preschool children of Indian migrants living in Victoria, Australia
8. **Akash Sivam** – Impact of head and neck cancer in First Nations Communities - A qualitative study

14:45–18:00 ORAL PRESENTATIONS: Biomaterials/ Cariology & Restorative Dentistry/Endodontics/ Prosthodontics

Chairs: Dr. Sheetal Rajan & Dr. Cheryl Fu
Golden Ballroom Middle

1. **Huilin Zhu** – An Anatomical Geometric Framework for Single-Tooth Implant Planning by Decoupling Perception from Reasoning
2. **Kah Seng Low** – An in vivo Investigation of a Novel Collagen Membrane Incorporating Triketone in Class II Furcation Defects in a Sheep Model
3. **Ashagrachew Tewabe Yayehrad** – Development and evaluation of smart nanocomposite systems with sustained antifungal properties for oral-targeted delivery
4. **Fei Chen** – Effect of Powder/Liquid Ratio on Properties of Experimental RMGIC
5. **Asana Pour Ronagh** – Effects of resin cements on the optical properties of indirect restorations
6. **Fouzhane Chitsaz** – Quantum Dot–Mesoporous Silica Fillers for Antibacterial Dental Composites
7. **Hongyu Xie** – Injectable ACMZP-loaded HAMA hydrogel for dentin remineralization and drug-free antimicrobial effect
8. **Ya Zhang** – Reinforcement of glass ionomer cement using ultralong hydroxyapatite nanowires
9. **Anahita Manafi Khajeh Pasha** – Synthetic Carbonate Apatite for Bone Regeneration: Large Animal Pilot Study
10. **Wanlu Ouyang** – Tideglusib-loaded hyaluronic acid hydrogels enhance odontogenic differentiation with adjunct low-intensity focused ultrasound
11. **Ziqi Yan** – Ultrasound-Responsive Remineralization Gel for White Spot Lesions
12. **An Nguyen Hoai** – Clinical effectiveness of Er:YAG laser preparation for non-carious cervical lesion restorations: A split-mouth clinical study
13. **Khaled E Ahmed** – Patient Age and Aesthetic Concerns Drive Tooth Wear Management Decisions in Australia
14. **Yipeng Fu** – Smart peptide-based materials and their clinical application for caries management
15. **Karoline Martins**– Strength Development with Time of Modern Glass Ionomer Cements
16. **Unni Krishnan** – Long-term Outcome of Composite Resin Restoration on Cracked Teeth
17. **Nagisa Kanazawa** – Comparative Study on the Cleaning Effectiveness of Electric Toothbrushes in Periodontal Pockets

14:45–15:45 SYMPOSIUM: From Algorithm to Action: Apps, AI, and Tele-dentistry in Oral Health

Chair: Dr. Sonia Nath
Golden Ballroom North

SPEAKERS:
A/Prof Leonie Short
Dr Yulianna Shiikha
Dr Ria Aiyar

16:00–17:00 PLENARY SESSION: Maxillofacial Pathology

Chair: Dr. Manorika Ratnaweera
Golden Ballroom North

- 16:00–16:30 Associate Professor Antonio Celentano**
Anticoagulants and Oral Squamous Cell Carcinoma: Advancing Evidence from Translational Murine Models
- 16:30–17:00 Associate Professor Omar Kujan**
Where Oral Cancer Begins: The Role of the Micro-environment in Malignant Progression of OPMDs

17:00–18:30 ORAL PRESENTATIONS: Digital Dentistry, Imaging, and Emerging Technologies/Oral Implantology

Chairs: Dr. Ahmad Hendawi & Dr. Swapna Lingam
Golden Ballroom North

1. **M. Pundir** – Oral Melatonergic Axis: Real-Time Aptamer-Based Salivary Melatonin Sensing and Characterization of Receptor Signaling Networks
2. **A Barazanchi** – Properties of interim crown materials fabricated using digital and conventional methods
3. **R. Chen** – SmilesUp SMS Intervention to Prevent Early Childhood Caries: an RCT
4. **S. Bracksley-O’Grady** – Task-shared Oral Cancer Screening at Rural Agricultural Touchpoints an Implementation Pilot
5. **Cam L.N.H** – Morphological and Morphometric Characteristics of the Nasopalatine Canal in Dentate and Edentulous Patients: A Cone-Beam Computed Tomography Cross-Sectional Study
6. **Thi Mai Anh Nguyen** – Morphological Characterisation of Osteocytes in Peri-Implant Bone Using Acid-Etched Scanning Electron Microscopy
7. **Ashi Mashoof** – Comparison of tutor feedback, self-assessment and intraoral scanner feedback in improving fixed prosthodontic crown preparation by undergraduate dental students

DAY 2

Morning Program

8:25	Opening: Golden Ballroom Golden Ballroom (Chair: Dr. Robert Nedelcu)
8:30–9:00	Colgate Eminent Speaker: Professor Josette Camilleri Quality control vs research in endodontic materials
9:00–9:30	Professor Colman McGrath Case Mix Tools for Special Care Dentistry
9:30–10:00	Professor Alastair J Sloan Dental Pulp Stem Cells: Roles in Mediating Dental Tissue Repair and Regeneration
10:00–10:30	Professor Rubens Spins-Neto Dental-dedicated MRI
10:30–11:00	Morning tea – Foyer 1 and 2

11:00–12:00 ORAL PRESENTATIONS: Dental Public Health/ Dental Education

Chairs: Dr. Zarni Shakibaie
Golden Ballroom South

1. **Nesa Aurlene Jayadhas** – Understanding Barriers and Facilitators to Oral Health in Residential Aged Care Using the Theoretical Domains Framework
2. **Thilini Jayasinghe** – Understanding Research Capacity and Culture Among Oral Health Clinicians in a large Public Dental Service in NSW, Australia
3. **K. M. McCormick** – When Lost Teeth Change the Measure: Distortion in Periodontal Burden Estimates
4. **Rachel Wong** – Impact of Self-Directed Online Training and Educational Resources on Dental Students' Shade-Matching Accuracy
5. **Chrishan Fernando** – Weaving Educational Institutions to Support Mental Health in Dental and Oral Health Students: A Scoping Review
6. **Kristy S. Choi** – Trauma-Informed Care Practice for Dental Practitioners: A Scoping Review

11:00–12:00 ORAL PRESENTATIONS: Periodontology & Peri-implant Diseases

Chairs: Dr. Pradeep Koppolu
Golden Ballroom Middle

1. **S. Talapaneni** – Associations between the Oral Microbiome and Periodontal Parameters in diabetic and non-diabetic Aboriginal and Torres Strait Islander Adults.
2. **Yinghong Zhou**– High-Purity Plasma-Derived Extracellular Vesicles Restore Macrophage Homeostasis and Enhance Periodontal Ligament Cell Differentiation
3. **Xinyue Wang** – Periodontitis-Induced Gut Microbiota Dysbiosis Drives Neuroinflammation and Glial Homeostasis Disruption
4. **Negar Yazdani** – SNAPP-star antimicrobial peptide-polymers are effective against bacterial biofilms and Porphyromonas gingivalis.

11:00–12:00 PLENARY SESSION: Paediatric Dentistry & Oral Health

Chair: Dr. Therese Kvist
Golden Ballroom North

- 11:00–11:30 **Associate Professor Mani Ekambaram**
Early enamel caries management using classic and contemporary agents
- 11:30–12:00 **Associate Professor Jilen Patel**
Exploring global & local oral health inequalities through a clinical lens

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Midday Program

12:00–13:00

Lunch + Australian Dental Research Foundation (ADRF) promotion session (Golden Ballroom Middle)

13:00–14:00 SYMPOSIUM: From Practitioner to Policy: Medicines Stewardship in Dentistry

Chair: A/Prof. Leanne Teoh
Golden Ballroom South

SPEAKERS:
Dr Smitha Sukumar
Dr Tejashree Kangutkar
Dr Nadia Kaunein

13:00–14:00 ORAL PRESENTATIONS: Periodontology & Peri-implant Diseases/ Microbiology

Chair: Dr. Minh Tran
Golden Ballroom Middle

1. **Minh Tran** – Validity of S. mutans as a Model for Dental Implant-Associated Biofilm Research: Biological Rationale, Experimental Models, and Characterisation Methods
2. **Tao Wang** – The influence of implant supra-structure on the efficacy of mechanical implant surface decontamination methods: an in vitro study
3. **Raymond Shi** – The link between the oral microbiome and cardiovascular disease in Indigenous Australian populations
4. **H. Sato** – Molecular Microbiological Profiling in the Remaining Bottled Black Tea and Coffee Beverages
5. **Y. Kato** – Profiling of Microbiota Isolated From Smartphone Touchscreens: Detection of Oral Bacteria and Effectiveness of UV Irradiation

13:00–14:00 SYMPOSIUM: Oral Disease Through an Omics Lens: Biomarkers, Diagnostics and Prognostics

Chair: A/Prof. Mihiri Silva
Golden Ballroom North

SPEAKERS:
Dr Pingping Han
Dr Meenakshi Pundir
Dr Yeganeh Khazaei

14:00–14:30

Break

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Afternoon Program

14:30–16:30

PLENARY SESSION: Oral Implantology

Chair: Prof. Amr Fawzy

Golden Ballroom South

14:30–15:00

Dr. Robert Nedelcu

In Vivo Accuracy in Fully Edentulous Implant Workflows.

15:00–15:30

Dr. Adam Hamilton

Digital Implant Scanning: Accuracy and Determinants of Precision

15:30–16:00

Professor Lisa Heitz-Mayfield

Peri-implant diseases: Prevention and contemporary treatment for the digital age.

16:00–16:30

Professor Christer Dahlin

In the footsteps of Professor Brånemark: The importance of teamwork in the digital era: Surgical aspects

14:30–15:30

ORAL PRESENTATIONS: Oral & Maxillofacial Surgery/ Oral Medicine & Oral Pathology/Oral Biology

Chair: A/Prof Omar Kujan

Golden Ballroom Middle

1. Munira Xaymadran

– Investigating the Impact of Maternal Periodontitis on Fetal Development

2. N. Varghese

– Prevalence of postoperative complications following oral cancer surgery in a South Australian population: A cohort study

3. A. Efthymiou

– The Effect of an Intermediate Splint on the Accuracy of Patient-Specific Implants in Orthognathic Surgery: A Cohort Study

4. Y. N. Tran

– Integrated Multi Omics Indicates a miR-1321 and miR-320 Family Related Network as Diagnostic Biomarkers in Oral Squamous Cell Carcinoma

5. Phan Thi Thu Hang

– Crown and Pulp Morphology of Primary Second Molars on Cone-Beam CT Images

14:30–17:30

ORAL PRESENTATIONS: Dental Public Health

Chair: Dr Mohammed Junaid

Golden Ballroom North

1. Krishna Subedi

– Challenges in Conducting Oral Health Epidemiological Surveys: A Scoping Review

2. K. Kajal

– Changes in dental anxiety in a cohort followed from 15 to 52 years

3. Arash Rudman

– Evaluation of the Senior Dental Benefits Scheme Demonstration Project for Older Adults

4. Nadia Kaunein

– Area Deprivation, Remoteness and Oral Health Behaviours Among Australian Adolescents: A Multilevel Study

5. Shalinie King

– Keeping your teeth, protecting your heart: Tooth Retention Reduces Cardiovascular Risk in Australian Women

6. Wajeaha Zahid

– Measuring food insecurity: Psychometric validation and critical analysis of the Household Food Insecurity Access Scale among Aboriginal and Torres Strait Islander People

7. A. Ngo

– Oral health and mental health: lived experiences of stigma and discrimination for Australians with mental health conditions

8. S Bracksley-O’Grady

– Oral Health in Out-of-Home Care: Lived Experiences and Co-Designed Solutions

9. Manisha Tamrakar

– Periodontitis and multimorbidity: A conceptual framework

10. Niluja Karmacharya

– Prevalence and predictors of non-nutritive sucking habits in infants and children: A systematic review and meta-analysis

11. Leanne Smith

– Strengthening the Aboriginal Oral Health Workforce: Barriers and Enablers Across the Education Continuum

12. Sarah Ng

– Sustainable smiles - an overview of dental solid waste management and associated environmental impacts in Australia.

13. Sudheer Babu Balla

– The IMPROV project: Co-designing a culturally appropriate oral health promotion resource with Karen refugee families in Victoria

14. A. Singh

– The Network Psychometric Properties of the Temporomandibular Joint Disorder Questionnaire among Australian Adults

16:45–17:30

ORAL PRESENTATIONS: Oral Implantology

Chair: Dr. Minh Tran

Golden Ballroom South

1. Qiqian YAN

– Osteoblast Adhesion on Nano-Engineered Dental Implants: A Single-Cell Force Study

2. A. Hendawi

– Implant Distribution in the Edentulous Mandible: A CBCT Analysis

3. A. Hamilton

– In Vivo Assessment of Mandibular Flexure in Full-Arch Implant Prostheses Using Photogrammetry: A Pilot Study

15:45–16:45

ORAL PRESENTATIONS: Orthodontics/ Paediatric & Special Needs Dentistry /Others

Chair: A/Prof Jilen Patel

Golden Ballroom Middle

1. Peiwei WU

– A Clinic-Informed Biomechanical Strategy for Arch-Specific TAD Mechanics in High-Angle Bimaxillary Protrusion Retreatment

2. Lydia See

– Developing the Modified Oral Health Assessment Tool (M-OHAT©) Training Materials for Non-Oral Health Professionals

3. E. Maretic

– Acceptability of Cloud Shading of a New Conventional GiC

4. Mo Halane

– Light-cured silver fluorides in hypomineralised molars

17:30–18:00	Closing ceremony – End of Day 2
18:45–23:00	Gala Dinner – Riverside Room, Level 2, DoubleTree by Hilton Hotel in Elizabeth Quay