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38TH JOINT ANNUAL SCIENTIFIC MEETING IADR-SEA DIVISION & 25TH ANNUAL GENERAL MEETING IADR MALAYSIAN SECTION

PROGRAMME BOOK

THEME

BRIDGING SUSTAINABILITY AND INNOVATION

Shaping Tomorrow's Dentistry Through Research

28 - 30 NOVEMBER 2024

HATTEN HOTEL, MELAKA

More information:  iadrsea1@gmail.com

 iadr-sea2024.com

WELCOME MESSAGE



**ASSOC. PROF. DR. SITI
MARIAM BINTI AB GHANI**

Chairperson, Organizing Committee

Dear Esteemed Colleagues and Distinguished Guests,

It is with great pleasure and anticipation that I extend a warm welcome to each of you to the Joint 38th Annual Scientific Meeting International Association for Dental Research (IADR) Southeast Asia Division & 25th Annual General Meeting IADR Malaysian Section, to be held in the enchanting city of Melaka, Malaysia, from November 28th to 30th, 2024.

Under the overarching theme of “Bridging Sustainability and Innovation: Shaping Tomorrow’s Dentistry Through Research”, this conference promises to be a dynamic and enriching platform for the exchange of cutting-edge ideas, ground breaking research outcomes, and collaborative endeavours within the realm of dental, oral, and craniofacial research.

Our primary objective is to foster a vibrant environment that nurtures innovation, cultivates scholarly discourse, and propels the field of dentistry forward. By bringing together researchers, scholars, students, and practitioners from around the globe, we aim to facilitate meaningful discussions, spark new collaborations, and advance our collective understanding of the intricate challenges and opportunities facing our profession.

Melaka, with its rich historical tapestry and cultural heritage, serves as an inspiring backdrop for our gathering. As you engage in stimulating conversations, explore novel research findings, and forge lasting connections, I encourage you to also immerse yourselves in the beauty and charm of this historical city.

On behalf of the Organizing Committee, I extend our heartfelt gratitude to all participants, sponsors, and supporters. Your presence and participation are vital to the success of this conference, and we eagerly anticipate the invaluable insights and contributions you will bring to our discussions.

Once again, welcome to Melaka, Malaysia, and to the Joint 38th Annual Scientific Meeting International Association for Dental Research (IADR) Southeast Asia Division & 25th Annual General Meeting IADR Malaysian Section. May your experiences here be both professionally enriching and personally fulfilling.

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Haslina Rani**

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Dr. Hetal Ashvin Kumar

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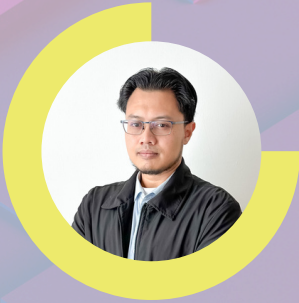
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Dr. Nawwal Alwani Radzi

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Haslina Rani**

SCIENTIFIC COMPETITION



Dr. Hetal Ashvin Kumar

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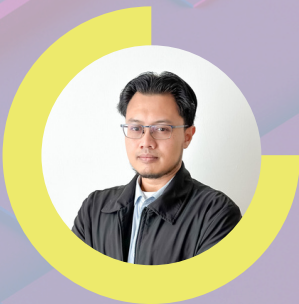
Dr. Ooi Der Jiun

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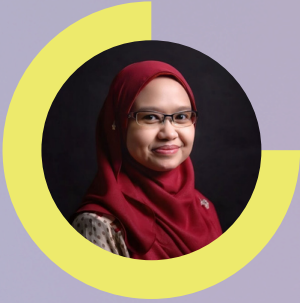
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Dr. Nawwal Alwani Radzi

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HOSPITALITY AND PROTOCOL



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LOGISTICS & TECHNICAL



Syazwan Syafiq

LOGISTICS & TECHNICAL

ITINERARY PROGRAMME

IADR SEA 2024

28-30th November | Hatten Hotel, Melaka, Malaysia

DAY 1

Thursday
28.11.2024

08:00AM

- Registration

08:45 - 09:00AM

- Welcoming Remarks By Chairperson LOC

09:00 - 10:30AM

- **Symposium 1**

Technological advancements shaping the future of dentistry

1. Assoc. Prof. Dr. Armelia Sari Widyarman
2. Prof. Dr. Atiphan Pimkhakham
3. Assoc. Prof. Dr. Anand Marya

10:30 - 11:00AM

- Morning break

11:00AM - 12:30PM

- **Symposium 2**

Nanotechnology: The 'tiny' revolution in dentistry

1. Assoc. Prof. Dr. Joao Nuno Ferreira
2. Prof. Dr. Wei Jen Chang

12:30 - 02:00PM

- Lunch break

12:30 - 01:30PM

- IADR Malaysian Section AGM (Room Hatten 1)

02:00 - 03:30PM

- **Symposium 3**

Regenerating hope: Breakthroughs in tissue regeneration

1. Prof. Melanie Sadono
2. Assoc. Prof. Dr. Goh Bee Tin
3. Dr. Chatvadee Kornsuthisophon

Scientific competition will run concurrently whole day of 28th-29th Nov 2024 at Ballroom Hatten 1, Hatten 2 & Hatten 3
(Presenters should register and be ready in the Oral Session Room, 30 minutes before the start)

DAY 1

Thursday
28.11.2024

03:30 - 05:00PM

- **Symposium 4**

Advancing equity in Special Needs and Marginalized Health community

- Dr. Christina Sim Poh Choo
- Assoc. Prof. Dr. Mas Suryalis Ahmad
- Prof. Dr. Hoang Trong Hung

07:00 - 10:00PM

Speaker Night (venue Chan Mari Chan)

- IADR-SEA Council/ Speakers/ Guest of Honor

DAY 2

Friday
29.11.2024

08:00 - 09:00AM

- Registration

09:00 - 09:45AM

- **Keynote 1**

Bone Remodelling Dynamics in Implant-Integrated Prostheses

1. Prof. Dr. Rohana Ahmad

09:45 - 10:30AM

- **Keynote 2**

Revolutionizing periodontal regeneration: Renewed hope for compromised teeth

1. Assoc. Prof. Dr. Masfueh Razali

10:30 - 10:45AM

- Morning break

10:45AM - 11:45AM

- **Forum**

Integrating Sustainability into Dental Research

Emcee:

Moderator:

- Dr. Nareudee Assoc. Prof. Dr. Siti Mariam Ab Ghani

Panels:

- Prof. Dato' Dr. Mohamed Ibrahim
- Prof. Dr. May Wong
- Assoc. Prof. Dr. Dasmawati

11:45AM - 01:00PM

- **Opening Ceremony**

Officiate by YB Tuan Alex Seah Shoo Chin,

EXCO Pembangunan Usahawan, Koperasi dan Hal Ehwal Pengguna

01:00 - 02:00PM

- Lunch break

DAY 2

Friday
29.11.2024

02:00 - 03:00PM

- **Keynote 3**

Progression of Dental Research Over Time: At a Glance

1. Prof. Dr. Zamri Radzi

03:00 - 04:00PM

- **IADR-SEA Council Meeting**

04:00 - 05:00PM

- **IADR-SEA Annual General Meeting**

07:30 - 10:30PM

- Gala Dinner (for all delegates)

DAY 3

Saturday
30.11.2024

09:00 - 09:45AM

- **Keynote 4**

Scaffold-free 3D cell constructs for oral tissue engineering

1. Assoc. Prof. Dr. Jun-Ichi Sasaki

09:45 - 10:30AM

- **Plenary 2**

The power of probiotics for periodontal diseases

1. Prof. Dr. Wim Teughels

10:30 - 10:45AM

- Morning Break

10:45AM - 11:30AM

- **Keynote 5**

Future-ready dentists: Bridging tradition and Innovation in ever-changing world

1. Prof. Dr. Aida Nur Ashikin

11:30AM - 01:00PM

- **Symposium 5**

Bridging science and smiles: Exploring biomaterials and biomechanics in dentistry

1. Prof. Thanaphum Osathanont
2. Dr. Tran Hung Lam
3. Dr. Hemant Unadkat

01:00 - 01:30PM

- Closing Ceremony and Award Presentation

01:30 - 02:00PM

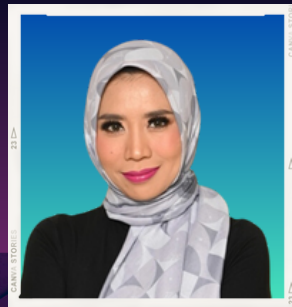
- Lunch

SYMPOSIUM-1 SPEAKER

ASSOC. PROF. DR. ARMELIA SARI WIDYARMAN

Trisakti University

Innovative Approaches to Oral Healthcare: Teledentistry, AI, and Digital Management in Modern Dental Clinics



Abstract:

The landscape of oral healthcare is being transformed through digitalization such as teledentistry, artificial intelligence (AI), and digital management systems in dental clinics. Teledentistry leverages telecommunications technology to facilitate remote dental consultations, diagnosis, and treatment planning, thereby overcoming geographical distances and improving access to specialized care. This approach not only addresses geographic and socioeconomic barriers but also enhances patient engagement through convenient, accessible services. Concurrently, e-MRs streamline the management of patient data, ensuring accurate, up-to-date information is readily available to healthcare providers. AI technologies are revolutionizing clinic management by optimizing scheduling, predicting patient needs, and personalizing treatment recommendations, leading to improved operational efficiency and patient outcomes. The addition of AI in digital clinic management systems further optimizes workflows, predicts patient needs, and personalizes treatment plans, leading to more efficient operations and better patient outcomes. Furthermore, integrating electronic medical records (EMRs) into dental practices enhances efficiency, accuracy, and continuity of care. EMRs centralize patient information, streamline administrative tasks, and support interdisciplinary collaboration among healthcare providers. By digitizing patient records, dental practices can improve care coordination, reduce errors, and enhance patient engagement through personalized treatment plans.

Biography:

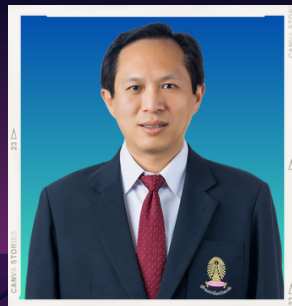
Dr. Armelia is an Associate Professor at the Faculty of Dentistry, Trisakti University, where she specializes in advanced dental research, digital dentistry, and oral biology. She is also the Founder and CEO of GIGI.ID, a groundbreaking national teledentistry application dedicated to enhancing oral healthcare access through innovative digital solutions. With a distinguished career in dental education and digital health, Dr. Armelia is at the forefront of initiatives aimed at improving dental care accessibility and quality. Her contributions to the field have been recognized with the title of Expert in Oral Biology (PBO) by the Indonesian Dental Association, highlighting her exceptional achievements in education, teaching, and research. In addition to her academic and professional roles, Dr. Armelia has been a sought-after speaker at national and international conferences, where she shares her expertise in digital dentistry and oral health innovation. Dr. Armelia's research interests include probiotics and the discovery of herbal drugs to combat oral pathogen biofilms. Her extensive body of work, comprising 72 publications with 614 citations and an H-index of 14, underscores her significant impact in dentistry. Her research has advanced the understanding of probiotics' mechanisms and their effects on immune response, as well as the efficacy of against oral pathogens.

SYMPOSIUM-1 SPEAKER

PROF. DR. ATIPHAN

Chulalongkorn University

Revolutionizing Digital Implant Dentistry: A Paradigm Shift



Abstract:

Recent literature identifies three major paradigm shifts in dental implant surgery, with the latest shift emphasizing the transformative role of advanced digital technology. This innovative approach, including real-time computer-assisted implant surgery through navigation and robotic systems, has emerged as a game changer in the field. Evidence suggests that these technologies significantly enhance the accuracy of implant placement compared to conventional techniques. In this presentation, we will explore the principles and benefits of utilizing real-time navigation and robotic systems in dental implant surgery. Additionally, we will present our recently published data highlighting improvements in implant position accuracy and the enhancement of surgical skills among novice dentists utilizing these advanced technologies. By examining these advancements, we aim to illustrate how digital innovation is revolutionizing implant dentistry.

Biography:

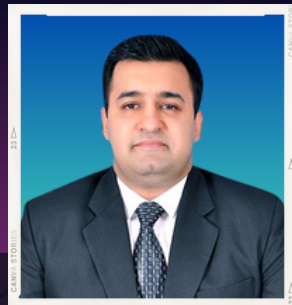
Prof. Pimkhaokham graduated from Faculty of Dentistry, Chulalongkorn University (FDCU) in 1993. He continued his residency training in Oral and Maxillofacial Surgery (OMFS) at the same University. He started his career as a lecturer at FDCU in 1995. In 2002, he completed his PhD and OMFS training from Tokyo Medical and Dental University, Japan. He is also a Diplomate of Thai Board in OMFS. In 2002, he continued his career as a lecturer at FDCU. His research focus is involved in Bone regeneration, computer assisted implant surgery, AI in dentistry, thus he was engaged with number of Master, PhD, Post-doc, and residents. He published nationally and internationally more than 100 publications and the 5 textbooks. Dr. Pimkhaokham donated his time as an external examiner for PhD., Master and Residency candidate for several University and as a reviewer for several national and international journals. Moreover, he also invited as a guest speaker including keynote speaker in local and international symposium and conferences. Currently, Prof. Pimkhaokham is Chairman, Department of OMFS, FDCU, Visiting Assoc. Prof. at Tokyo Medical and Dental University and Fellow of International Team for Implantology

SYMPOSIUM-1 SPEAKER

PROF. DR. ANAND MARYA

University of Puthisastra

Utilization of Artificial Intelligence in Dentistry



Biography:

Professor Anand Marya is currently working as the Vice-Dean of Dentistry (Research) and the Program Director of Orthodontics at the Faculty of Dentistry, University of Puthisastra, Phnom Penh. He is a member of both the Royal College of Physicians and Surgeons of Glasgow (MFDS RCPSG) as well as the Royal College of Surgeons, Edinburgh (MFDS RCS Ed). He has been serving as a council member of the IADR-SEA division since 2021. In November 2022, he was elected as a council member of SEAADE (South-east Asia association for dental education). He has active research interests and has published more than 190 papers in high-impact, peer-reviewed journals. He was listed among the top 2 percent scientists in the world in the latest rankings compiled by Stanford University and Elsevier. Professor Anand has delivered lectures at over 200 conferences, workshops and events at the national and international level till date and is a highly sought after speaker.

SYMPOSIUM-2 SPEAKER

ASSOC. PROF. DR. JOAO NUNO FERREIRA

Chulalongkorn University

From Nanotechnologies to Sustainability: modelling oral and craniofacial diseases with magnetic bioprinting and microphysiological systems



Abstract:

Head and neck cancer (HNC) therapies such as radiotherapy can greatly damage the salivary gland (SG) secretory epithelia and the oral mucosa (OM) epithelia leading to severe dry mouth and painful oral mucositis lesions, respectively. Conventional treatments are mainly palliative and largely ineffective; hence, these patients end up with a poor quality of life. Craniofacial organoid biofabrication in 3D cultures can facilitate the manufacture of microtissue constructs to mimic the native epithelial tissue (from SG, OM) at a cellular and functional levels and these can be applied in future regenerative applications or drug discovery. In the last 10 years, our research team generated reproducible 3D epithelial organoids via microtissue engineering involving magnetic 3D bioassembly and bioprinting (M3DB). MSC-like cells such as human dental pulp stem cells have been expanded and differentiated in M3DB platforms for form functional SG epithelial organoids. Both bioprinted organoids and their respective exosome cargo were found to increase epithelial regeneration via neuro-epithelial communications in ex vivo irradiated SG models. More recently, our team utilized dynamic microfluidic systems (MIVO) after M3DB to generate OM organoids, which exhibited greater cell viability, epithelial interactions and transepithelial resistance when compared to static 3D cultures.

Biography:

João Ferreira is an Associate Professor in Oral Biology and the Director of the Avatar Biotechnologies for Oral Health and Healthy Longevity Research Unit at the Faculty of Dentistry, Chulalongkorn University. Dr. Ferreira obtained his dental degree from CESPU Health Sciences Institute in Oporto, Portugal. In the US, he completed a Master and Residency program in Orofacial Pain and Oral Medicine at the University of Minnesota School of Dentistry and PhD in Oral Biology at the UNC-Chapel Hill Adams School of Dentistry. He received the prestigious Portuguese Government Ministry of Science and Technology FCT Award for his Ph.D. project on hydroxyapatite-gelatin bioceramics for bone regeneration. After his PhD graduation in 2011, he was awarded the NIDCR fellowship for postdoctoral training in salivary gland regeneration. In 2014, he moved to the NUS Faculty of Dentistry to start his research on salivary gland regeneration with bioprinted organoids and magnetic bioprinting. In 2018, he joined Chulalongkorn University to continue his organoid and organ-on-a-chip research focused on exocrine glands and oral mucosa in nearly physiological environments. He was awarded several awards from the USA, Singapore and Thailand including: 2014 IADR Salivary Gland Young Scientist Award and 2022 the IADR Innovation in Oral Care Award.

SYMPOSIUM-2 SPEAKER

PROF. DR. WEI JEN CHANG

Taipei Medical University

Surface Modification by Glow Discharge Plasma in Dental Application



Abstract:

Glow discharge plasma (GDP) used on thin film process is low temperature and pressure plasma. GDP treatment has been recognized as a commonly used cleaning method, etching, grafting and polymerization in the microelectronics industry. In recent years, it has also aroused strong interest in the field of biomaterials research. GDP treatment is a stable, low-energy ion and quite effective energy used for surface modification. GDP treatment will not react with the surface or change the material surface's chemical properties, but also can be used for polymer surface treatments, and the grafting of thin polymer layers. After the material surfaces are treated with GDP, the physicochemical changes in the surface may be beneficial to improve the biological properties. Studies have shown that GDP can be used to build biofunctional groups on the material surface with this improving surface wettability and proteins attachment on the surfaces. Therefore, GDP is a potential treatment on the dental nanotechnology.

Biography:

Professor Dr Wei Jen Cheng is a Professor at the School of Dentistry (from 2016 - present), Taipei Medical University, Taiwan from 2016. He is the Vice President , Asia-Pacific Dental Federation (APDF/APRO) from 2024-present. He is also in the office IADR SEA Division as the Councilor since 2023. Professor Wei is also a visiting Staff, Periodontology Division (from 2008 – present) at Shuang Ho Hospital, Taiwan. He served as the President of Taiwan Association for Dental Sciences (2019-2021) and President of the Academy of Dental Implantology (2018-2019), Taiwan.

SYMPOSIUM-3 SPEAKER

PROF. MELANIE SADONO

Dentistry Trisakti University

Systematic approaches of herbgenomics to investigate the molecular genetics of medicinal plants



Abstract:

Herbgenomics as one of the omics sciences which plant genome assembly represents the complete genomic sequence of a plant species, assembled into chromosomes and other organelles by using DNA (deoxyribonucleic acid) fragments that are obtained from different types of sequencing technology. Research on natural materials that will be used as medicine, undergoes a synthesis process to produce its metabolites when faced with biotic and abiotic complexes. Determination of the genetic molecules of natural materials focuses on single individual cells and groups. Combining omic, genomic, epigenomic data can increase the usefulness of molecular genetics, especially the synthesis and regulation of phytopharmaceutical components. Application of these data is needed during identification, breeding, metabolism engineering.

Biography:

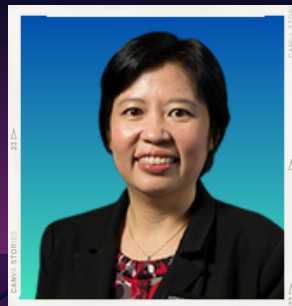
Since 1992 did much research in saliva fields more than 20 studies published national. Recently, research has been more focused on traditional Herbal medicine. Resulting in more than 50 studies published nationally and worldwide. Moreover, in guiding of research for master program, in depth of molecular biology mechanism of the cell. In herbal and traditional medicinal in dentistry fields. Doing some innovation research of traditional herbal medicine in dentistry for PhD program, collaboration research with other institution with target outcomes for produce of intellectual property rights. Develop a traditional herbal medicine study center, by building research branches which are highly useful to the community.

SYMPOSIUM-3 SPEAKER

ASSOC. PROF. DR. GOH BEE TIN

National Dental Centre Singapore

From Fats to Bone: Applications for Oral and Maxillofacial Regeneration



Abstract:

Currently, autogenous bone is considered the gold standard as a graft material for reconstruction of bone defects. This implies that the patient is subjected to additional surgery and its associated morbidities and expenses. Allografts and xenografts are alternatives, but they have unpredictable results and subject the patient to risks of disease transmission and adverse immune reactions. Bone regeneration using tissue engineering principles holds promise to obviate these shortcomings. Our team at the National Dental Research Institute Singapore has been collaborating with bioengineers and material scientists to develop novel devices and innovative approaches to bone regeneration for application in the oral and maxillofacial region. The techniques are kept simple, minimally invasive and relatively inexpensive so they may be easily adopted in clinical practice. This presentation will share preclinical studies on the use of adipose-derived mesenchymal stem cells extracted and implanted at the time of the primary surgery for bone regeneration.

Biography:

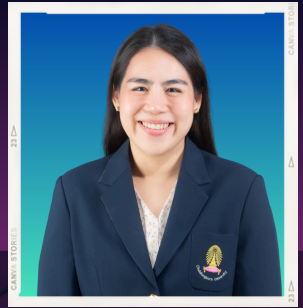
Assoc Prof Goh Bee Tin is Chief Executive Officer, National Dental Centre of Singapore, Academic Chair, Oral Health Academic Clinical Programme, SingHealth Duke NUS and Founding Director, National Dental Research Institute Singapore. A/Prof Goh is a Fellow of the Academy of Medicine, Singapore and Fellow of the Royal College of Surgeons, Edinburgh. She obtained her Bachelor of Dental Surgery from the National University of Singapore (NUS). She then went on to specialize in the field of Oral & Maxillofacial Surgery, obtaining her Master of Dental Surgery from NUS. Subsequently, she was sent on a government scholarship for advanced training in cleft lip and palate and orthognathic surgery in Canada. She also furthered her training in craniofacial implantology in Sweden and the United Kingdom. She obtained a PhD from Radboud University Nijmegen in the Netherlands for her novel research work on modular endoprosthesis for mandibular reconstruction. A/Prof Goh is also appointed Clinical Associate Professor at the NUS Dental Faculty and Duke NUS Medical School, and Adjunct Associate Professor at the Nanyang Technological University. She is active in teaching and training postgraduate students. Her research interests include bone bioengineering, oral & maxillofacial device development and novel techniques in mandibular reconstruction. A/Prof Goh is a member of the Dental Specialist Accreditation Board. She received the Osteopore Innovation Award for her work in clinical tissue engineering, the SingHealth GCEO Outstanding Clinician Researcher Award and Duke NUS Master Academic Clinician for her academic achievements.

SYMPOSIUM-3 SPEAKER

DR. CHATVADEE KORNSUTHISOPON

Chulalongkorn University

Cell Signalings: Small Signals, Big Impact – Insights from Stem Cell Research in Dentin-Pulp Regeneration



Abstract:

Human dental pulp stem cells (hDPSCs) play a crucial role in dentin-pulp regeneration, primarily due to their remarkable potential to differentiate into odontogenic and osteogenic lineages. This presentation delves into the intricate interactions among signaling pathways that govern the behavior of hDPSCs, with a particular emphasis on the reciprocal regulatory mechanisms involved. Specifically, we highlight the roles of Wnt and Notch signaling pathways in modulating hDPSCs differentiation. The presentation additionally explores bioactive molecules involved in these cell signaling pathways and discusses their implications for enhancing regenerative outcomes. Future applications of these findings in clinical settings will be considered, underscoring the potential advancements in regenerative dentistry and tissue engineering. Through a comprehensive understanding of these signaling networks, we aim to unlock new strategies for effective dentin-pulp regeneration and advanced dental treatments.

Biography:

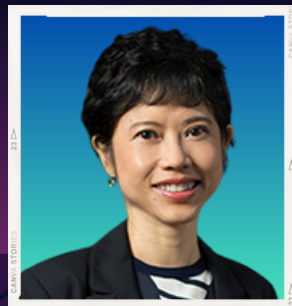
I am a lecturer in the Department of Anatomy and the Oral Biology International Graduate Program at the Faculty of Dentistry, Chulalongkorn University. My research interests encompass stem cell biology, cell signaling pathways related to dentin-pulp complex regeneration and immunomodulation, tissue engineering, regenerative dentistry, and drug delivery systems.

SYMPOSIUM-4 SPEAKER

DR. CHRISTINA SIM POH CHOO

National Dental Centre Singapore

Perception of the role of teledentistry in enabling improved oral care access for vulnerable seniors



Abstract:

Oral health is integral to general health. Poor oral health has a major impact on systemic health, increases risk of frailty and may precipitate or exacerbate other medical conditions such as diabetes, nutritional deficiencies, cardiovascular and respiratory diseases. The elderly, especially the vulnerable elderly, face challenges in accessing dental care in the community. Improvements in accessibility and appropriateness of oral health services can be achieved by utilising advanced Information and Communication Technology capabilities or Teledentistry, to screen for oral diseases and deliver oral healthcare services. The teledentistry approach for oral health consultation provides a reliable alternative to traditional face-to-face oral consultation. This presentation will describe the perceptions of vulnerable seniors who are home bound or living in long-term care facilities and their healthcare providers on the role of teledentistry in improving access to oral care.

Biography:

A/Prof Christina Sim is the Director of Research and a Senior Consultant at the National Dental Centre Singapore (NDCS). She is the President-Elect of the IADR-SEA Division Council, Fellow of the Academy of Medicine, Chair of NDCS Clinical Privileging and Competency Committee and a member of the Dental Specialist Accreditation Committee for Prosthodontics. She obtained her Bachelor of Dental Surgery from the National University of Singapore (NUS) and her Master's degree from the University of London. Under a Ministry of Health scholarship, she went for advanced training in implantology and aesthetic dentistry at Loma Linda University. She then went on to obtain her PhD from the University of Melbourne. A/Prof Sim is also appointed Clinical Associate Professor at the Faculty of Dentistry, NUS and Duke-NUS Medical School, involved in the graduate prosthodontics residency programme. Her research interests include oral health research, particularly in vulnerable groups and artificial intelligence-enabled preventive oral health strategies.

SYMPOSIUM-4 SPEAKER

ASSOC. PROF. DR. MAS SURYALIS

Universiti Teknologi MARA Malaysia

Advancing equity in Special Needs and Marginalized Health community



Biography:

Assoc Prof Dr. Mas Suryalis Ahmad graduated with a Bachelor of Dental Surgery from the University of Malaya, Malaysia in 2006, as well as Doctor of Clinical Dentistry and Doctor of Philosophy degrees in Special Needs Dentistry (SND) from the University of Melbourne, Australia in 2016, and recently Master of Medical Education from the University of Malaya. She also obtained her Membership from the Royal Australasian College of Dental Surgeons (in SND), the Royal College of Surgeons in Ireland, the Royal College of Physicians and Surgeons of Glasgow and the Royal College of Surgeons of England. She has won many awards for excellence in research, innovation and personal endeavours particularly in the areas of SND, Gerodontology and Dental Education. Currently, Dr Mas is the President of the Malaysian Dental Association, and the Deputy Dean (Student Affairs) at the Faculty of Dentistry, Universiti Teknologi MARA, Malaysia. She teaches SND at undergraduate and postgraduate levels in a few universities around the Asian region. She also sits as a member of the International Association for Disability and Oral Health's Education Committee, Malaysian Qualification Agency's Specialist Dental Education Committee (Leader for SND) and Malaysian Dental Council's Dental Specialty Sub-Committee (SND).

SYMPOSIUM-4 SPEAKER

PROF. DR. HOANG TRONG HUNG

University of Medicine and Pharmacy Ho Chi Minh

Research-Driven Solutions: Overcoming Oral Health Care
Barriers for People Living with HIV in Urban Cities



Abstract:

This lecture presents a detailed case study on overcoming oral health care barriers for people living with HIV in urban cities, with a focus on Ho Chi Minh City. Drawing from our research, we examine the significant oral health challenges faced by this population, highlighting the high burden of oral diseases and the barriers that impede access to necessary care. Our research-driven approach involved developing and implementing innovative solutions tailored to the needs of HIV-positive individuals in urban settings. These include mobile dental clinics, teledentistry services, and integrated care models designed to improve accessibility and quality of care. The lecture will discuss the methodologies used, key findings, and the effectiveness of these interventions in improving oral health outcomes. By showcasing Ho Chi Minh City as a case study, this lecture aims to provide valuable insights and practical strategies that can be adapted and applied to other urban settings across Southeast Asia. This research underscores the importance of community-based, research-driven solutions in shaping the future of oral health care for marginalized populations.

Biography:

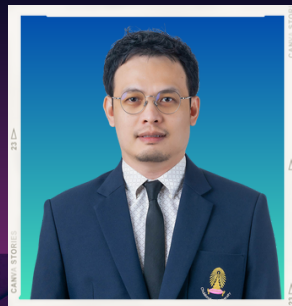
Dr. Hoang Trong Hung, DDS, MSc, PhD, FICD, is the Vice-Dean and Head of the Department of Dental Public Health at the Faculty of Odonto-Stomatology, University of Medicine and Pharmacy at Ho Chi Minh City, Vietnam. He is also the Regent of Vietnam ICD Region 31, Vice-President of the Vietnam Odonto-Stomatological Association (VOSA), Vice-President of the Ho Chi Minh City Odonto-Stomatological Association (HOSA), and Current President of the IADR-SEA Division. He received his DDS in 1995, an MSc in Odonto-Stomatology in 2003, and a PhD in Odonto-Stomatology in 2017. His major research areas include oral disease epidemiology, preventive dentistry, behavioral sciences in oral health, and dental education. He has been an invited speaker at numerous local and international conferences and has received several international scientific awards.

SYMPOSIUM-5 SPEAKER

PROF. THANAPHUM OSATHANON

Chulalongkorn University

Decellularized extracellular matrix as alternative biomaterials
for dental tissue regeneration



Abstract:

The extracellular matrix (ECM) is essential for modulating numerous functions including physical supports and biological control. One of the functions is to modulate stem cell function. Our group demonstrated that the efficacy and mechanisms of decellularized ECM from human dental pulp stem cells (dECM_DPSCs) and gingival-derived mesenchymal stem cells (dECM_GSCs) as scaffolds for odonto/osteogenic differentiation. Instead of the derivation ECM from naïve tissues, ECMs were created from DPSCs and GSCs cell culture in normal growth (N-ECM) or osteogenic induction mediums (OM-ECM). Matrisome proteins from dECM_DPSCs and dECM_GSCs were linked to osteogenesis/osteogenic differentiation. Reseeded cells on N-ECM and OM-dECM_DPSCs showed increased osteogenic differentiation compared to those on dECM_GSCs. RNA sequencing revealed that N-dECM and OM-dECM_DPSCs upregulated genes related to Hippo and Wnt signaling pathways. However, the osteogenic differentiation enhancement induced by dECM_DPSCs was reduced in GSCs reseeded on OM-dECM_DPSCs and cultured in osteogenic medium after Hippo signaling inhibition. In conclusion, dECM_DPSCs significantly enhance GSC osteogenic differentiation, primarily through Wnt and Hippo signaling, highlighting their potential as bio-scaffolds for oro-maxillofacial bone tissue engineering.

Biography:

Professor Osathanon earned his bachelor's degree in Doctor of Dental Surgery from Chulalongkorn University, Thailand, and further graduated study in the Doctor of Philosophy in Oral Biology Program from the University of Washington, USA. Currently, Professor Osathanon is an Associate Dean at Faculty of Dentistry, Chulalongkorn University, Thailand. He published more than 140 publications in the international database and is also an editorial board member of the International Dental Journal, Scientific Reports, and BMC Oral Health. He currently is a Director of CU Dental Innovation Center at the Faculty of Dentistry, Chulalongkorn University and a Director of Center of Excellence for Dental Stem Cell Biology. His research interests are 1. intracellular pathways modulated stem cell function; 2. mechanical force and osteogenic differentiation; and 3. biomaterials and dentin/dental pulp regeneration. One of his group focuses on Notch signaling and its regulation in dental stem cells ranging from induced pluripotent stem cells to somatic stem cells. Dental pulp biology in term of cell and molecular biology mechanism in odontogenic differentiation is also area of his interest.

SYMPOSIUM-5 SPEAKER

DR. TRAN HUNG LAM

Van Lang University, Viet Nam

Revisiting Implant Treatment in the Esthetic Zone: Evidence and Clinical Experiences



Abstract:

The esthetic zone, characterized by its high visibility and significant impact on a patient's smile presents challenges for dental implant treatment. Through a comprehensive analysis of recent literature, the biological principles that underpin successful implant integration and long-term stability in the esthetic zone will be explored. Key topics include optimal implant positioning, the importance of soft and hard tissue management, the role of provisional restorations, and clinical approaches to achieving predictable esthetic results. Also, clinical cases will be presented to illustrate the application of these principles in real-world scenarios, emphasizing the decision-making process, surgical techniques, and prosthetic considerations.

This presentation aims to revisit implant treatment in the esthetic zone by reviewing the latest evidence-based practices and sharing clinical experiences that highlight successful strategies and common pitfalls.

Biography:

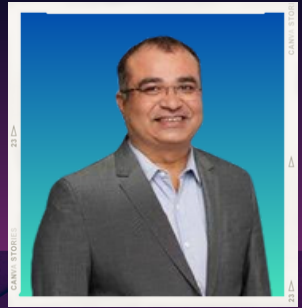
Dr. Lam graduated from Faculty of Odonto-Stomatology, University of Medicine and Pharmacy in Ho Chi Minh city, Viet Nam. He received the PhD degree and completed the training in Fixed Prosthodontics and Implantology in Dental School, Marseille, France. He lectured at the Department of Prosthodontics, Faculty of Odonto-Stomatology in Ho Chi Minh city, Viet Nam from 2008 to 2016. In 2011, he's been awarded the Winner of Oral presentation at IADR SEA (Singapore). His main field of clinical research in implant dentistry is immediate loading, ProArch/AllonX concept, digital workflow and bone regeneration. He is currently ITI Fellow, ITI Study club director, ITI Chair (Vietnam section) and Fellow ICD. He is also the President of Ho Chi Minh city society of Dental Implantology (HSDI). He is also the co-founder of Elite Dental Group, a private center specialized in implant and esthetic dentistry in Ho Chi Minh city; founder of THL Academy, a training center which is certified as SAEC (Straumann Advanced Education Center). He is currently Vice Dean in charge of Research and International Affairs at Faculty of Dentistry, Van Lang University.

SYMPOSIUM-5 SPEAKER

DR. HEMANT UNADKAT

National Dental Centre Singapore

The AI Edge: Shaping the Future of Regenerative Dental Biomaterials



Abstract:

The surface of medical device plays a crucial role in their integration and acceptance within the human body. Historically, surface modifications of biomaterials was achieved through chemical methods—incorporating biologics like growth factors or pharmaceuticals—or physical methods such as sandblasting and acid leaching. Recent advancements have unveiled a new frontier in physical modifications, where nanotechnology offers unprecedented precision in replicating surface topographies at the nanometer scale. This evolution in technology promises enhanced biomaterial performance and presents a more efficient alternative to traditional chemical approaches. However, the challenge of identifying the optimal surface topography for specific applications remains. The advent of AI and Materiomics has accelerated the translation of laboratory discoveries into real-world clinical applications. Over the past decade, our research has harnessed these cutting-edge techniques to revolutionize the development of implantable materials for orofacial regeneration. Over the past decade, our research has applied these advanced techniques to improve the development of implantable materials for orofacial regeneration. In my talk, I will discuss the latest generation of medical devices developed in our lab with these advanced technologies.

Biography:

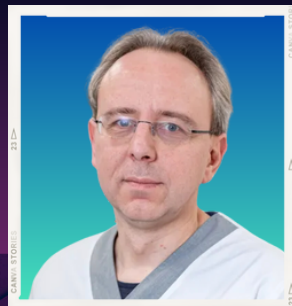
Dr. Hemant Unadkat is an Assistant Professor at Duke-NUS Medical School, Clinician Scientist, Principal Investigator at the National Dental Centre. His innovative lab focuses on using biomaterials engineering and micro- and nanotechnologies to improve oral health through craniofacial tissue regeneration and disease modeling. His research program merges discovery and application, incorporating high-throughput technologies, cell biology, and artificial intelligence for practical clinical use. Dr. Unadkat's long-term goal is to make a lasting impact on craniofacial tissue engineering. His work has been published in reputable journals, such as PNAS, and highlighted in Nature, Nature Materials, and Nature Methods. With over SGD 6M in research funding and numerous patent applications, Dr. Unadkat demonstrates dedication to advancing his field. He is only the second dentist in Singapore to receive the prestigious Ministry of Health and National Medical Research Council Transition Award. Recently, he has also received the NMRC Clinician Scientist Individual Research Grant.

PLENARY SPEAKER

PROF. DR. WIM TEUGHEL

University Hospital Leuven

The power of probiotics for periodontal diseases



Abstract:

Prevention of plaque related oral diseases such as periodontitis has been primarily based on plaque removal in combination with the use of an antiseptic containing toothpaste and/or mouth rinse. Additionally, for the treatment of periodontitis, antibiotics are often used as adjuncts. There is an urgent need for alternative treatments that do not rely on antimicrobials. A decade ago, probiotics have been introduced in oral health care. Since most plaque related oral diseases originate at least partially from a dysbiosis within the dental plaque biofilm, restoring the microbial homeostasis by using beneficial bacteria such as probiotics has shown potency. This lecture will focus on the problems resulting from indiscriminate use of antimicrobials, the introduction of probiotics, their mode of action and their clinical efficacy. At the end the attendees should be able to understand, select and implement the use of probiotics in their patient care.

Biography:

Prof. Wim Teughels received his dental degree in 2000 from the Katholieke Universiteit Leuven (KULeuven) in Belgium. In 2006, he earned the degree of specialist in periodontology and successfully defended his doctoral dissertation at the same university. In addition, he earned the "European Federation of Periodontology (EFP) certificate in Periodontology". In 2007, he was named an assistant professor at the KULeuven Faculty of Medicine. His teaching responsibilities encompass a range of topics in the fields of Periodontology and Human Anatomy. Currently, he is a full professor at KULeuven and the University hospitals Leuven, where he is the head of the Periodontology and Oral Microbiology research group. His research is centered on periodontology and oral microbiology, with an emphasis on bacterial adhesion, microbial interactions, antimicrobials, and probiotics. This has resulted in over 200 papers in international journals, 3 edited books and over >10 book chapters. He has received five national and three international awards and is frequently invited to give lectures on the topic of "probiotics" and "antimicrobials" both domestically and internationally. In 2012, Professor Teughels is appointed associate editor for both the Journal of Periodontal Research and the textbook "Carranza's Clinical Periodontology." He is the co-director of the EFP- post-graduate education committee, an advisor for the EAO Consensus Conference committee, and the Ambassador for the ITI University Campus program. He holds visiting professorships at Cukurova University (Turkey) and Malaya University (Malaysia)

MODERATOR

ASSOC. PROF. DR. SITI MARIAM AB GHANI
Universiti Teknologi MARA Malaysia



Biography:

Associate Professor Dr Siti Mariam works in Faculty of Dentistry, Universiti Teknologi MARA as Deputy Dean Academic and Consultant Prosthodontist registered under the Malaysian National Specialist Registrar. She obtained her Master in Clinical Dentistry (Prosthodontics) after completed a 3 years specialist training from University of Edinburgh in 2011. She had the opportunity to work in Minnesota Dental Research Centre for Biomaterial and Biomechanics, USA (2016) and King Saud University, Riyadh (2019) as research visiting scholar. Her team has secured multiple grants to conduct research in Malaysia with international collaborators in the field of dental material and prosthodontics. She has presented her research findings and clinical cases at international platform and published journal articles and undergraduate restorative dentistry textbooks. To date, she is the Immediate Past-President for International Association for Dental Research (IADR) Malaysian Section, Councilor for the Asian Academy of Prosthodontics (AAP) and Councilor of IADR South-East-Asia Division.

PANEL

PROF. DATO' DR. MOHAMED IBRAHIM ABU HASSAN
MAHSA University



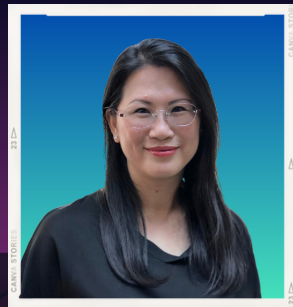
Biography:

Dr Mohamed Ibrahim graduated from University of Malaya in 1984 and obtained his Master's Degree in Restorative Dentistry from the University of Leeds, United Kingdom in 1988. He then furthered his career to a doctorate degree at University of Bristol, United Kingdom in Dental Materials in 1995 and obtained his PhD in 1999. In 2018, he was awarded the fellowship from Royal College of Physician and Surgeons of Glasgow, FDSRCPS (Glasgow). Dr Mohamed Ibrahim has more 35 years teaching experience first at University of Malaya and then University Teknologi MARA as the founding dean of the faculty. Currently Prof Dato'Dr Mohamed Ibrahim is the Dean, Faculty of Dentistry, MAHSA University, one of the biggest private university with a dental programme. He was Chairman of Malaysian Dental Dean's Council Chairman of Joint Technical Committee of Dental Specialty Programme. He is also appointed member of the Malaysian Dental Council and Malaysia Dental Association. Internationally, he was the President of SEAADE from 2014-2016 and currently an ex-officio. He is also the Regent of Fellow international College of Dentist (FICD) Region 33 for Malaysia & Brunei apart from being appointed as the Chairman of Education Committee International College of Dentist Section XV. He was also the Council Member of International Dental Collaboration of Mekong River (IDCMR). Due to his contribution to the University Dr Mohamed Ibrahim were awarded Academic Leader Award in 2013 and Distinguish Academic Award in 2018 by the University. He was awarded the Distinguish Fellow of International College of Dentist in 2016 (FICD). In 2019 Professor Dato' Dr Mohamed Ibrahim was awarded the prestigious Fellow of Academy Science of Malaysia (FASc) in 2019 from Academy of Science Malaysia. He was also granted the state award Darjah Setia Pangkuan Negeri (DSPN) with the title of Dato' by Governor of Penang in 2018

PANEL

PROF. DR. MAY WONG

The University of Hong Kong



Biography:

Professor May CM Wong is a Professor in Dental Public Health at the Faculty of Dentistry, HKU. She is the Director of the Clinical Research Centre at the faculty. She teaches courses on biostatistics and clinical research methods to graduate and undergraduate students. She has contributed to the research community as an editor of the Cochrane Oral Health Group, Associate Editor of Community Dentistry and Oral Epidemiology, and Statistical Consultant for Clinical Oral Implants Research. Her leadership positions within the International Association of Dental, Oral, and Craniofacial Research (IADR) include President of the Southeast Asian Division, Board of Directors of the Asian Pacific Region, and President of the Evidence-based Dentistry Network. Her research focuses on biostatistics, clinical trials, oral epidemiology, oral health promotion, and quality of life. She has published over 130 international peer-reviewed papers. Her research contributions have been acknowledged through awards received at HKU, international conferences and from journals.

PANEL

ASSOC. PROF. DR. DASMAWATI MOHAMAD

Universiti Sains Malaysia



Biography:

Assoc. Prof. Ts. Dr. Dasmawati Mohamad received her Bachelor of Engineering in Chemical Engineering from the University of Birmingham in 1998, followed by an MSc in Polymer Science and Technology from UMIST in 2002. Her PhD in Biomaterials has been awarded from the University of Manchester, United Kingdom, in 2005. Since then, she has joined the School of Dental Sciences at USM as a lecturer and currently serves as an Associate Professor. Her research focuses on the development of nanosilica rice husk in tooth-colored restorative materials and 3D printable alloplastic implants for craniofacial reconstruction. She has won several medals for her research products at national and international innovation exhibitions. To date, she has supervised 25 postgraduate students (9 PhD & 16 MSc) and authored 84 research articles in various indexed journals, with an H-index of 18. She has successfully secured several national and university research grants in her area of expertise. Currently holds the position of Vice President for the Malaysian Biomaterials Society and serves as the Editor in Chief of Archives of Orofacial Sciences, a SCOPUS-indexed journal. Internationally, she has been appointed as a board member of the Asian Biomaterials Federation (ABF) and the Asian Network of Dental Materials Societies (ANDeMS). Recently she has initiated a new society, Malaysian Dental Materials Society (MDEMS).

KEYNOTE SPEAKER

PROF. DR. ROHANA AHMAD

Universiti Teknologi MARA

Bone Remodeling Dynamics in Implant-Integrated Prostheses



Abstract:

This lecture explores innovative methodology in implant dentistry, focusing on the quantification of bone remodeling and oral biomechanics. Starting with the pioneering technique developed for three-dimensional quantification of residual ridge resorption using CBCT and specialized software, the lecture highlights how this method has set new standards in measuring bone loss. The study on the biomechanics of oral mucosa will be examined, emphasizing the viscoelastic behavior of mucosa and its impact on implant prosthetic design. Comparative analyses of complete versus implant-retained dentures, using finite element analysis, underscore the importance of personalized treatment planning. Finally, the development of a soft-tissue driven bone remodeling algorithm, integrating patient-specific factors, represents a significant advancement in predictive treatment planning, aiming to improve patient outcomes by anticipating and mitigating bone loss.

Biography:

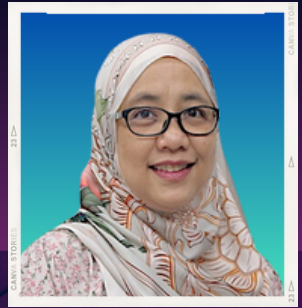
Professor Dr. Rohana Ahmad is a scholar in implant dentistry and prosthodontics at Universiti Teknologi MARA, Malaysia. She earned her PhD from the University of Sydney, a Master of Science and a Certificate in Prosthodontics from Boston University, and a Bachelor of Dental Surgery from the University of Manchester. Dr. Rohana has pioneered a novel technique for three-dimensional quantification of bone remodeling, investigated the biomechanics of oral mucosa, and developed predictive algorithms for bone remodeling. Her research has been published in high-impact journals and presented at various conferences.

KEYNOTE SPEAKER

ASSOC. PROF. DR. MASFUEH RAZALI

Universiti Kebangsaan Malaysia

Revolutionizing periodontal regeneration: Renewed hope for compromised teeth



Abstract:

The lecture, "Revolutionizing periodontal regeneration: Renewed hope for compromised teeth," aims to share advancements in periodontal regeneration. It begins by addressing the limitations of traditional treatments, which often fall short in achieving long-term tissue regeneration and stability. Key topics include the development and application of synthetic bone grafts and bioactive scaffolds designed for periodontal regeneration, highlighting their potential to promote new bone growth and support the regeneration of periodontal ligament and cementum. The lecture also explores advanced biomaterials, such as bioactive ceramics and hydrogels, which provide an optimal environment for cell attachment and proliferation. Cutting-edge research on enhancing soft-tissue attachment and improving wound healing in periodontal treatments will be examined, emphasizing the importance of maintaining natural tooth structures. Through the latest research findings, the lecture aims to equip dental professionals with the knowledge and tools to implement these advanced regenerative techniques. This innovative approach promises to significantly improve clinical outcomes for patients with compromised teeth, transforming the landscape of periodontal therapy.

Biography:

Dr. Masfueh is a dedicated periodontist with a passion for research and education, actively serving the community since 2004. She is responsible for developing the postgraduate periodontology curriculum at her faculty, shaping the future of dental education. Known for her collaborative spirit and friendly demeanor, Dr. Masfueh has established both local and international research networks. Her recent research focuses on three main areas: periodontal regeneration and the bioengineering of synthetic bone grafts, the development of zirconia materials for implant abutments and restorations, and enhancing the understanding of soft-tissue attachment around peri-implant mucosa in response to various materials. Dr. Masfueh's interdisciplinary approach includes collaboration with the Faculty of Engineering and Built Environment at UKM and close partnerships with Mesomorph Worldwide and CREST to develop bone scaffolds for periodontal regeneration. Her innovative work not only advances the field of periodontology but also contributes to the broader scientific community, reflecting her commitment to excellence and continuous learning. cell attachment and proliferation. Cutting-edge research on enhancing soft-tissue attachment and improving wound healing in periodontal treatments will be examined, emphasizing the importance of maintaining natural tooth structures. Through the latest research findings, the lecture aims to equip dental professionals with the knowledge and tools to implement these advanced regenerative techniques. This innovative approach promises to significantly improve clinical outcomes for patients with compromised teeth, transforming the landscape of periodontal therapy.

KEYNOTE SPEAKER

PROF. DR. ZAMRI RADZI

Universiti Malaya

Progression of Dental Research Over Time: At a Glance



Abstract:

This lecture provides an overview of the evolution of dental research, tracing its development from early practices to contemporary advancements. We begin by exploring ancient dental care methods and the origins of dentistry, highlighting significant milestones in understanding oral anatomy and disease, leading up to precision dentistry and artificial intelligence. The progression continues through the Renaissance, marked by the emergence of dental schools, professional societies, and dental journals, which laid the groundwork for modern dental science. We examine pivotal 20th-century innovations, such as the discovery of fluoride's benefits, the development of dental materials and appliances, dental implants, and the rise of cosmetic dentistry. The lecture also addresses contemporary research areas, including minimally invasive techniques, digital dentistry, and the exploration of the oral microbiome's role in systemic health. Emphasis is placed on the integration of interdisciplinary approaches and technological advancements that have transformed dental care. This historical perspective underscores the importance of ongoing research and innovation in improving patient outcomes and advancing the field.

Biography:

Professor Dr. Zamri Radzi is the Deputy Vice Chancellor of Student Affairs at Universiti Malaya, Kuala Lumpur, Malaysia. Previously, he was the Dean of the Dental Faculty and Chairman of the Malaysian Dental Deans' Council. He obtained his specialist degree from Leeds University and specialist qualifications from the Royal College of Surgeons in England, Glasgow, Edinburgh, and Ireland, as well as a Doctorate from the University of Oxford. In addition to being a Fellow of the Academy of Sciences Malaysia, he serves as Treasurer of the Southeast Asia Association for Dental Education. As a researcher, he has worked on both fundamental and clinically applied research, including the development of biopolymers, automated bone expanders, and anisotropic self-inflating tissue expanders. He has received more than RM 9 million in research grants and holds over 6 patents from the US Patent Office and other intellectual property organizations. He was the first user of the Target 2 ISIS Pulsed Neutron Scattering Station at STFC Rutherford Appleton Laboratory in England, where he studied the dynamics and molecular structure of biopolymers. Professor Zamri has won over 30 medals, including gold medals at International Research Expositions in Nuremberg, Geneva, London, and Pittsburgh, and has been awarded the Excellent Scientist Award by Malaysia's Ministry of Higher Education.

KEYNOTE SPEAKER

PROF. DR. AIDA NUR ASHIKIN

Universiti Teknologi MARA

Future-ready dentists: Bridging tradition and Innovation in ever-changing world



Abstract:

As the field of dentistry continues to evolve, future dental professionals must be equipped with both time-tested techniques and cutting-edge innovations. This lecture explores the critical balance between maintaining the core principles of traditional dentistry and embracing the advancements shaping the future of the profession. Participants will gain insights into emerging technologies, such as digital dentistry incorporating AI, teledentistry and regenerative treatments and how this can be integrated into practice without losing sight of essential foundation skills. This talk will delve into the importance of strong foundation in traditional dental practices, the impact of technological advancements on patient care and dental practice, strategies for integrating new technologies while preserving clinical excellence, the role of continuous education in staying current with industry developments and the importance of research-based curriculum to train future dentist with exploration skills. By the end of the talk, participants will have a comprehensive understanding of how to navigate dental education seamlessly incorporating groundbreaking advancements, ensuring they remain competitive and effective in an ever-changing landscape in dentistry.

Biography:

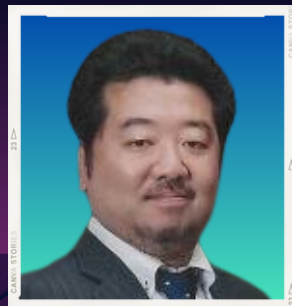
Prof Dr Aida graduated with BDS from University of Malaya in 2004. She then obtained qualification in Orthodontics in University of Malaya in 2011. Prof Aida has been in orthodontic education since 2007 and holds a qualification in Master of Science in Medical Education from the UK. She had undergone subspecialty training in cleft lip and palate and orthognathic surgery from the Royal College of Surgeon of England in 2018. Prof Aida is currently the Dean for Faculty of Dentistry UiTM. She was the Deputy Dean of Academic and International for since 2013, and obtained Professorship in 2023. She is also an accomplished researcher and prolific writer with numerous publications and has presented in a few international scientific conferences. Prof. Aida's research focuses on evidence-based practice in orthodontics, proteomic, orthodontic mini-implant, biomaterial and dental education, and natural product in dentistry. She is a fellow and examiner of the Faculty of Dental Surgery of the Royal College of Surgeons of England, the Royal College of Physicians and Surgeons of Glasgow, the Royal College of Surgeons of Edinburgh and the World Federation of Orthodontists. In 2021, she was awarded as a promising Academician Award recipient by the University.

KEYNOTE SPEAKER

ASSOC. PROF. DR. JUN-ICHI SASAKI

Osaka University

Scaffold-free 3D cell constructs for oral tissue engineering



Abstract:

Tissue engineering is a promising technology to regenerate living tissue in vitro and in vivo. Various approaches using composites of cells, growth factors, and scaffolds have been attempted for fabricating a variety of tissues or organs. However, there are issues with scaffolds such as the degradation rate being difficult to control and the degradation byproducts of the scaffolds inhibiting tissue regeneration. To overcome these issues, our research group has developed a novel system using a thermo-responsive hydrogel that forms scaffold-free, three-dimensional (3D) cell constructs with arbitrary size and morphology. We previously demonstrated that 3D cell constructs prepared by using bone marrow-derived stromal stem cells (BMSCs) formed bone-like tissues with endochondral ossification. Endothelial cells were then introduced into the BMSC construct. Vessel-like structure was formed within the constructs and the bone formation ability was promoted by endothelial cells. This 3D cell construct technology using thermo-responsive hydrogels was then applied to other cell species. Cell constructs composed of dental pulp stem cells were successfully fabricated, and the resulting construct regenerated pulp-like tissue within a human pulpless tooth. Here, this presentation reviews our approaches for the in vitro fabrication of bone- and dental pulp-like tissues using thermo-responsive hydrogels and their potential applications.

Biography:

Dr. Jun-ichi Sasaki is an Associate Professor at Osaka University Graduate School of Dentistry. He earned his D.D.S in 2005 and Ph.D. in 2009 from Osaka University. In 2011, he was appointed an Assistant Professor at Department of Dental Biomaterials, Osaka University Graduate School of Dentistry. He joined the University of Michigan School of Dentistry, Department of Cariology, Restorative Sciences, Endodontics as a research fellow from August 2015 to July 2017. Dr. Sasaki specializes in dental biomaterials, tissue engineering, regenerative medicine, and cell biology. Current projects include: development of novel bioactive glasses; development of multifunctional barrier membranes for guided bone regeneration; application of three-dimensional cell constructs for regenerative dentistry, and functional analyses of glycosaminoglycan in mesenchymal stem cells. He received many prizes including 2020 Young Investigator Award from Japanese Society for Biomaterials.

PRESENTATION SCHEDULE

POSTER (NON-COMPETING)

Thursday, 28th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Time
P02	ECC and S-ECC in 5-Year-Olds: Cavitated Versus Non-Cavitated Lesions Using ICDAS Khanh M. Nguyen, Chanh T. Le, Chau Uyen Ngo, Quan D. Tran, Hung T. Hoang	Khanh Nguyen	Presenters are requested to stand by their poster for viewing session from 10:00 AM to 12 PM
P03	Untreated Primary Dental Caries Among 4-Year-Old Children in the Southeast Region of Vietnam Trieu Ton That Dam, Huong T. Nguyen, Chanh T. Le, Tien H. Ho, Hung T. Hoang	Trieu Ton That Dam	
P06	Physicochemical Evaluation of Hydroxyapatite-Incorporated Heterotrigena Itama Propolis as Dental Biomaterial Afiqah Azhar, Nurul Ain Ramlan, Istikamah Subuki, Nur Aliana Hidayah Mohamed, Muhammad Hilmi Zainal Ariffin, Ikmal Hisham Ismail, Wan Iryani Wan Ismail	Afiqah Azhar	

PRESENTATION SCHEDULE

POSTER (NON-COMPETING)

Thursday, 28th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Time
P08	The Effect of Sapindus Mukorossi Seed Hydrosol on the Periodontitis Treatment Haw-Ming Huang	Haw-Ming Huang	Presenters are requested to stand by their poster for viewing session from 10:00 AM to 12 PM
P09	Titanium Surface Roughness Mediated Macrophages Polarization Influenced PDL MSCs Osteogenesis Dodi Valentino, Carlita Carlita, Jovanka Tanandika, Fakhrana A. Ayub, Ratna Ramadhani, Ratna S. Dewi, Lisa Amir	Dodi Valentino	
P10	Duck Eggshell as a Possible Enhancer of the Mechanical Properties of G.I. Restorative Material Ma. Monica Vicente, Patricia Moira C. Sarmiento, Deniel Keit T. Molino, Angelyn U. del Rio, Jane Krystia V. Teodoro, Quiarra Bernycce Megino, Karizza S. Purificacion, Anas Salem	Ma. Monica Vicente	

PRESENTATION SCHEDULE

POSTER (NON-COMPETING)

Thursday, 28th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Time
P12	Masking Effectiveness of Micro-Thin Laminate Veneer Using CAD-CAM Hybrid Materials. Morakot Piemjai, Jessada Waleetorncheepsawat	Morakot Piemjai	Presenters are requested to stand by their poster for viewing session from 10:00 AM to 12 PM
P13	Accuracy of Static and Dynamic Guidance in Posterior Implant Placement: an in Vitro Study Quan Nguyen Van, Chanh T. Le, Khoa V. Nguyen, Hung C. Vo, Hung T. Hoang	Quan Nguyen Van	
P14	Reliability Comparison Between Webceph Software and Manual Tracing in Cephalometric Analysis. Do Thi Ngoc Anh, Trang T. Ho, Hung T. Hoang	Do Thi Ngoc Anh	

PRESENTATION SCHEDULE

POSTER (NON-COMPETING)

Thursday, 28th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Time
P15	Shaping Ability of Four Different Nickel-Titanium Rotary Instruments Using Microcomputed-Tomography Purin Suriyakraingkai, Patita Mettasat, Asfat Cheloh, Kittikhun Thamsukhum, Panupat Phumpatprakom	Patita Mettasat	Presenters are requested to stand by their poster for viewing session from 10:00 AM to 12 PM
P70	Different Sintering Times on Chicken Eggshells Derived-Bioceramic Root Canal Sealer Krittanut Wiriyasumon, Soracha Riansrivilai, Sarntamon Pengubol, Panuroot Aguilar	Krittanut Wiriyasumon	

PRESENTATION SCHEDULE

IADR-UNILEVER HATTON COMPETITION: GROUP 1

Senior Category (Preliminary round)

Thursday, 28th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P50	Silver Diamine Fluoride Pretreatment Prevents Root Caries on Tooth Proximal to Restoration: An in Vitro Study Kelsey Xingyun Ge, C H Chu, Ollie Yiru Yu	Kelsey Xingyun Ge	2:00 PM
P51	Dental Caries Prevalence and Microbial Analysis in Elderly Individuals With Diabetes Mellitus Bibi Aisiah Babu Osman, Eleena Mohd Yusof, Noorharliana Mohamed Zohdi, Mustaffa Jaapar, Rohana Ahmad, Lay Kek Teh	Bibi Aisiah Babu Osman	2:15 PM
P52	Investigation of Connector Parameters for Fracture Strength of all-Ceramic Resin-Bonded Fixed Dental Prosthesis (RBFDP) Mas Linda Mohd Osman, Hung-Chih Chang, Tong Wah Lim, Amir Radzi Ab Ghani, Siti Mariam Ab Ghani	Mas Linda Mohd Osman	2:30 PM

PRESENTATION SCHEDULE

IADR-UNILEVER HATTON COMPETITION: GROUP 1

Senior Category (Preliminary round)

Thursday, 28th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P53	Enhancing Dentures: Linseed Oil as a Natural Plasticiser for PMMA. Nadiyah Abdullah Zawawi, Hazlina Abdul Ghani, Raja Azman Raja Awang, Nik Noor Idayu Nik Ibrahim	Nadiyah Abdullah Zawawi	2:45 PM
P54	Effect of Toothbrushing on Roughness and Gloss of CAD / CAM Resin Composite Blocks. Fazliza Mohd Fathoni, Zethy Hanum Mohamed Kassim, Siti Mariam Ab Ghani	Fazliza Mohd Fathoni	3:00 PM
P55	Porcine-Derived Decellularized Extracellular Matrix Hydrogel Enables Oral Mucosa-on-a-Chip Toan Van Phan, Sawang Kesdangsakonwut, Padet Tummaruk, Supansa Yodmuang, Oranart Matangkasombut, Risa Chaisuparat, Jae-Yol Lim, Joao N. Ferreira	Toan Van Phan	3:15 PM

PRESENTATION SCHEDULE

IADR-UNILEVER HATTON COMPETITION: GROUP 1

Senior Category (Preliminary round)

Thursday, 28th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P56	Porosity, Degradation, Cytotoxicity and Compressibility of Chicken Egg Shell / Chitosan-Gelatin as a Scaffold Biomaterial Kurnia Ayu Lestari	Kurnia Ayu Lestari	3:30 PM
P66	Associations Between Masticatory Performance and General Health of Older Adults EKM Choong, KCM Leung, MCM Wong, Edward C. Lo	EKM Choong	3:45 PM
P67	Malaysian Generation End Game: Netnography of the Online News Coverage Noor Asilati Abdul Raob, Budi Aslinie Md Sabri, Nawwal Alwani Mohd Radzi	Noor Asilati Abdul Raob	4:00 PM

* A closed-door preliminary round will be conducted from 2:00pm to 4:00pm.
Presenters are requested to be ready at the Grandball Room 2 by 1:45pm

PRESENTATION SCHEDULE

IADR-UNILEVER HATTON COMPETITION: GROUP 2

Senior Category (Preliminary round)

Thursday, 28th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P11	Dental-Visit Frequency Among Preschool Children From 2020 to 2022 at a Dental-Care Institution in Kuwait: A Retrospective Study Rawan Aldeijani, Ni Zhou, Cynthia Kar Yung Yiu, Hai Ming Wong	Rawan Aldeijani	2:00 PM
P58	Background Effects on Deep Learning Classification of Decayed-Missing-Filled Tooth Status Khoa D. Nguyen, Hong Doan Thi Phuong, Dao Quang Khai, Ding-Han Wang, Ming-Lun Hsu, Hung T. Hoang	Khoa Nguyen	2:15 PM
P59	Influence of TiO2 and Scanning-Aid Materials on Intraoral Scanner Accuracy for Edentulous Jaws Nguyen Anh L. T, Tri M. Doan, Nam C. Huynh, Hung M. Vo, Chanh T. Le, Hung T. Hoang	Nguyen Anh L. T	2:30 PM

PRESENTATION SCHEDULE

IADR-UNILEVER HATTON COMPETITION: GROUP 2

Senior Category (Preliminary round)

Thursday, 28th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P60	Face-Image Differences Reconstructed by CT-Scanner and Face Scanner on Orthognathic Surgery Patients Si Tin Ho, Nhat D. Nguyen, Nam C. Huynh, Chon N. Ho, Hung T. Hoang	Si Tin Ho	2:45 PM
P61	Micro-CT Study of Root Canal and Apical of Lower Premolar Nurulaqmar Iwani Samsudin, Marlana Kamaruzaman, Afiq Azizi Jawami	Nurulaqmar Iwani Samsudin	3:00 PM
P62	3D-Printed Resin Polymers in Partial Dentures Evolution: Bibliometric Analysis Aiemeeza Rajali, Nor Wati @ Nur Atikah Mustafa, Siti Mariam Ab Ghani, Solehuddin Shuib, Rohana Ahmad	Aiemeeza Rajali	3:15 PM

* A closed-door preliminary round will be conducted from 2:00pm to 4:00pm.
Presenters are requested to be ready at the Grandball Room 2 by 1:45pm

PRESENTATION SCHEDULE

IADR-UNILEVER HATTON COMPETITION: GROUP 2

Senior Category (Preliminary round)

Thursday, 28th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P63	Intermittent Hypoxia-Induced Gene-Expression Changes in Male Rat Mandibular Growth Deficit Korkuan Jariyatheerawong, Jun Hosomichi, Chidsanu Changsiripun, Hideyuki Maeda, Takashi Ono	Korkuan Jariyatheerawong	3:30 PM
P65	Nigella Sativa Extract and Xenograft Combination on Post Tooth Extraction Socket Preservation (Cavia Cobaya) Increase Macrophage Number and PDGF Expression Primanda Nur Rahmania, Utari Kresnoadi, Nurani Atikasari	Primanda Nur Rahmania	3:45 PM
P72	Evaluation of Mandible Reconstruction with Coen's Technique Autograft Non Vascularized Bone Graft Dhenok Anggi Wijayanti, Andra Rizqiawan	Dhenok Anggi Wijayanti	4:00 PM
O71	Natural Product Analysis Using TEM: Locally Sourced Camellia Sinensis Variant Assamica Extract (CSALE) as a Dental Haemostatic Agent Tengku Intan Baizura Tengku Jamaluddin, Wei Cheong Ngeow, Muhamad Shirwan Abdullah Sani, Zainal Ariff Abdul Rahman, Azmeel M. Anuar, Kazi A. Jamil	Tengku Intan Baizura Tengku Jamaluddin	4:15 PM

PRESENTATION SCHEDULE

NON-COMPETING

Friday, 29th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P17	The Effect of Mono- and Interkingdom Co-Culture Biofilms of Candida Species and Staphylococcus Aureus on Interleukin-6 and Interleukin-8 Expression in Normal and Oral Cancer Cell Lines. Wan Nurhazirah Wan Ahmad Kamil, Munirah Mokhtar, Nihal Bandara, Mohd Hafiz Azrmi	Wan Nurhazirah Wan Ahmad Kamil	Presenters are requested to stand by their poster for viewing session from 10:00 AM to 12 PM
P18	Exploring the Role of Quorum Sensing in Periodontitis: A Scoping Review Zelda Ziyi Zhao, Jing Zhang, C H Chu	Zelda Ziyi Zhao	
P20	Limosilactobacillus-Reuteri Effect on Cariogenic Virulence Genes in Fixed Orthodontic Patients Deandra C. Wiriawan, Joko Kusnoto, Armelia S. Widyarman	Deandra Wiriawan	
P21	Effects of Enamel Matrix Derivative on Degraded Periodontal Tissue Regeneration: A Histological and Immunohistochemical Approach Using the Transplantation Method Md Riasat Hasan, Takashi Saito	Md Riasat Hasan	

PRESENTATION SCHEDULE

NON-COMPETING

Friday, 29th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P22	Upregulation of DEC1 Exacerbates Periodontal Inflammation Weon-Young Choi, Ka Hyon Park, Su-Jin Kim, Soo-Chang Joo, Je-Hwang Ryu	Weon-Young Choi	Presenters are requested to stand by their poster for viewing session from 10:00 AM to 12 PM
P23	Efficacy of Noni Fruit Extract (<i>Morinda Citrifolia</i> L.) as a Radioprotector Through IL-10 and BCL2 Expression in Fibroblast Cell Culture Sri Wigati Mardi Mulyani	Sri Wigati Mardi Mulyani	
P24	Single-Cell RNA Sequencing Analysis of Dental Pulp Inflammation Rong Cen, Leyi Chen, Zhaoming Wu, Chengfei Zhang	Rong Cen	

PRESENTATION SCHEDULE

NON-COMPETING

Friday, 29th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P22	Upregulation of DEC1 Exacerbates Periodontal Inflammation Weon-Young Choi, Ka Hyon Park, Su-Jin Kim, Soo-Chang Joo, Je-Hwang Ryu	Weon-Young Choi	Presenters are requested to stand by their poster for viewing session from 10:00 AM to 12 PM
P23	Efficacy of Noni Fruit Extract (<i>Morinda Citrifolia</i> L.) as a Radioprotector Through IL-10 and BCL2 Expression in Fibroblast Cell Culture Sri Wigati Mardi Mulyani	Sri Wigati Mardi Mulyani	
P24	Single-Cell RNA Sequencing Analysis of Dental Pulp Inflammation Rong Cen, Leyi Chen, Zhaoming Wu, Chengfei Zhang	Rong Cen	

PRESENTATION SCHEDULE

NON-COMPETING

Friday, 29th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P33	Early Intervention: Optimizing Oral Health in Filipino Children Shaira Sombilla, Maria Elissa Zam Amador, Aljen G. Aguirre, May Ann J. Belza, Hannah Jezyl M. Diaz, Ma. Nicole Frances R. Domingo, Sharina de Rama, Gwendolyn A. Fegarido, Gwyneth M. Lim, Leslie Mae M. Mondejar, Kathleen G. Nolasco, Prince Warren L. Pujeda, Xyla Mae Reyes, Bea Katreena B. Soriano, Garri Immanuel R. Tadlip, Ariel D. Go, Maria Teresa P. Garcia	Shaira Sombilla	Presenters are requested to stand by their poster for viewing session from 10:00 AM to 12 PM
P34	Oral Hygiene Knowledge, Attitudes, and Practices of Persons Deprived of Liberty in BCJFD John Riel B. Tiangco, Mary W. Guibac, Maria Lourdes E. Cantor, Lara Sophia R. De Castro, Kurt Ronald T. Luga, Troy C. Quebral, Joshua B. Ibarra, Krisha Adelle Leandicho, Edgar Gian P. Bernardino, Vixen Zhaesar Gareza	John Riel Tiangco	
P35	Young Mothers' Knowledge About the Safety of Dental Imaging During Pregnancy Ma. Jilian Gale Talampas, Juan Sudcalen, Maria Lourdes E. Cantor, Leanne Cyril Nelmida, Lei Akima Villanueva, Vanessa Mallari, Mariellyn Aragon, Shenaid Shin, Micah Ysabelle Rivera	Ma. Jilian Gale Talampas	

PRESENTATION SCHEDULE

NON-COMPETING

Friday, 29th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P36	Basic Oral Hygiene Literacy and Practice of Mothers in Relation to Their Children's Caries Experience Enjel John Kimber Garcia, Irish Anthony Mascareñas, Maria Lourdes E. Cantor, Jihan C. Bautista, Ysabelle Ruth Y. Eng-eng, Gabriel C. Guinoo, Charmagine N. Magwelang, Davilyn B. Guimbatan, Dennise Jasmine Sunga	Enjel John Kimber Garcia	Presenters are requested to stand by their poster for viewing session from 10:00 AM to 12 PM
P37	Evaluation of the Effect of Wearing Mouthguards on Athletic Performance in Baseball and Softball Athletes Ting-lou Wu, Chih-Hui Chui, Ting-Yi Renn, Hlaing Myint Myat Aung, Nai-Chia Teng, Wei-Jen Chang	Ting-lou Wu	
P38	A Comparative Study of Oral Status Between Young Athletes and Young Adults Ting-lou Wu, Chih-Chieh Wen, Chih-Hui Chui, Nai-Chia Teng, Wei-Jen Chang	Chih-Chieh Wen	
P39	Millennial Parental Approaches in Promoting Dental Visits to Children Jazielle Gabayan, Yngcum B. Baniwas, Maria Lourdes E. Cantor, Francis Nida A. Barredo, Nympha P. Ap-apid, Marc James G. Villa, Crizza Joi T. Mendoza, Shea Anneli D. Garcia, Christine Joy P. Calimodag, Sylwen Gwyneth A. Ramos	Jazielle Gabayan	

PRESENTATION SCHEDULE

NON-COMPETING

Friday, 29th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P40	Bridging Knowledge and Practice: Enhancing Dental Education Through Reflective Learning Zahra Naimie, Norasmatul Akma Ahmad, Rana Ahmed Abuzaid	Zahra Naimie	Presenters are requested to stand by their poster for viewing session from 10:00 AM to 12 PM
P41	Basic Oral Health Care Among Geriatric Residents in Rippling River Nursing Home Nikki Ysabelle V. Ramones, Mary W. Guibac, Maria Lourdes E. Cantor, Angela Mae R. Mandac, Jahelma Corpuz, Patricia Denise Sevilla, Aira Constanca Tariga, Austine Joshua Milanes, April Joyce Gapuz	Nikki Ysabelle Ramones	
O50	Comparative Analysis of the Shaping Ability of ProTaper Next and WaveOne Gold File Systems in Curved Resin Blocks - An in- Vitro Experimental Study Bibi Fatima	Bibi Fatima	

PRESENTATION SCHEDULE

NON-COMPETING

Friday, 29th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P25	CD44 Involves the Invasion of Oral Cancer Through Lipid Metabolism Masakatsu Fukuda, Kenjiro Bandow	Masakatsu Fukuda	Presenters are requested to stand by their poster for viewing session from 2:00 PM to 4:00 PM
P26	P.Gingivalis-Lipopolysaccharide Increase Proliferation and IL-6 in Cisplatin-Resistant Primary and Metastatic-HNSCC Nannaphat Apipongrattanasuk, Anongnad Pasittanon, Kamolparn Pugdee	Nannaphat Apipongrattanasuk	
P27	Efficacy of Hyaluronic Acid Nanogel Spray in the Treatment of dry Mouth: A Randomized Crossover Study Nongnapat Eakpanyakul, Peerawas Kopongpanich, Kanokporn Bhalang, Jittima A. Luckanagul	Nongnapat Eakpanyakul	
P28	Importance of Evaluating Non-AIDS-Defining Illnesses of Patients With HIV Infection Yasuyuki Shimada, Yuki Shiko, Takumi Yamaguchi, Junko Kondo, Yohei Kawasaki, Yutaka Maruoka	Yasuyuki Shimada	

PRESENTATION SCHEDULE

NON-COMPETING

Friday, 29th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P29	Oral Lichen Planus Is Not Likely to be Oral Potentially Malignant Disorder Based on ZNF582 Methylation Li Lin Tham, Yu-Feng Huang	Li Lin Tham	Presenters are requested to stand by their poster for viewing session from 2:00 PM to 4:00 PM
P30	The HIF2α as the therapeutic target for periodontitis Mangeun Kim, Je-Hwang Ryu	Mangeun Kim	
P31	Fibroblasts Number and Collagen Density in the Healing Process of Traumatic Ulcers With Topical Application of Calcitriol Gel Adinda R. Fitri, Fatma Y. Mahdani, Diah S. Ernawati, Desiana Radithia, Nurina F. Ayuningtyas, Reiska Kumala Bakti	Reiska Kumala Bakti	
P32	Function of Nasoalveolar Molding in Bilateral Complete Cleft Lip-Palate Hoang Anh Nguyen Huy	Hoang Anh Nguyen Huy,	

PRESENTATION SCHEDULE

NON-COMPETING

Friday, 29th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P43	Increasing Awareness and Knowledge Regarding Children's Traumatic Dental Injuries and First Aid at School for Kindergarten Teachers of Mulyorejo District, City of Surabaya, Indonesia Ardianti Maartrina Dewi, Sindy Cornelia Nelwan, Udijanto Tedjosongko, Dimas P. Wicaksono, Erin I. Basar, Rayhan A. Indra, Rachel Batyeba, Shafwa Aisha Rahmah	Ardianti Maartrina Dewi	Presenters are requested to stand by their poster for viewing session from 2:00 PM to 4:00 PM
P44	Impact of Rational, Humorous, and Fear Appeals on User Acceptance in Oral Health Promotion. Raja Nur Adilah Raja Abdul Rahman, Budi Aslinie Md Sabri, Nik Mazuan Nik Mohd Rosdy, Hafizah Rosli	Raja Nur Adilah Raja Abdul Rahman	
P45	Validation of Dental Tour as Coping Strategy for Dental Anxiety in Children. Su Reen Liew, Nor Malina Manan, Noorhidayah Zainal Aalam	Liew Su Reen	
P46	Association of Dentist-Patient Relationship Factors With Oral Health Outcomes in Korean Adults Youngha Song	Youngha Song	

PRESENTATION SCHEDULE

NON-COMPETING

Friday, 29th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P47	Epidemiological Analysis of Exophytic Soft Tissue Lesions Recurrence at the Academic Hospitals in Surabaya Mochamad Fasich Baihaqi, Dewa Gde R. Satira Wibawa, Andra Rizqiawan	Mochamad Fasich Baihaqi	Presenters are requested to stand by their poster for viewing session from 2:00 PM to 4:00 PM
P48	Analysis of Posse Scale Parameter in Post Odontectomy Patients to Evaluate the Effectiveness of Antibiotic Prescription Abdurrahman Adirhesa, Dewa Gede Raka Satria Wibawa, Andra Rizqiawan	Abdurrahman Adirhesa	
P49	Navigating Clinicians' Challenges: Assessing the Implementation and Impact of Dental Community Programs in The Municipality of Del Carmen, Siargao Marella Salamat	Marella Salamat	

PRESENTATION SCHEDULE

NON-COMPETING

Friday, 29th November 2024		ROOM: GRANDBALL ROOM 2	
IADR-SEA ID	Title & Author	Presenting author	Start time
P43	Increasing Awareness and Knowledge Regarding Children's Traumatic Dental Injuries and First Aid at School for Kindergarten Teachers of Mulyorejo District, City of Surabaya, Indonesia Ardianti Maartrina Dewi, Sindy Cornelia Nelwan, Udijanto Tedjosongko, Dimas P. Wicaksono, Erin I. Basar, Rayhan A. Indra, Rachel Batyeba, Shafwa Aisha Rahmah	Ardianti Maartrina Dewi	Presenters are requested to stand by their poster for viewing session from 2:00 PM to 4:00 PM
P44	Impact of Rational, Humorous, and Fear Appeals on User Acceptance in Oral Health Promotion. Raja Nur Adilah Raja Abdul Rahman, Budi Aslinie Md Sabri, Nik Mazuan Nik Mohd Rosdy, Hafizah Rosli	Raja Nur Adilah Raja Abdul Rahman	
P45	Validation of Dental Tour as Coping Strategy for Dental Anxiety in Children. Su Reen Liew, Nor Malina Manan, Noorhidayah Zainal Aalam	Liew Su Reen	
P46	Association of Dentist-Patient Relationship Factors With Oral Health Outcomes in Korean Adults Youngha Song	Youngha Song	

ORAL PRESENTATION 1

IADR-SEA Research Competition: Behavioural, Epidemiologic and Health Services Research Category

Thursday, 28th November 2024			ROOM: HATTEN 1
IADR-SEA ID	Start time	Title and Author	Presenting author
O01	9:00 AM	Perspectives of Dental Students on Qualities of a Successful Dentist Cheuk Ying Ho, Hollis Haotian Chai, Edward C. Lo, Michelle Zeping Huang ¹ , C H Chu	Cheuk Ying Ho
O02	9:15 AM	Association Between Adolescents' Oral Health Beliefs and Their Behaviors Isabella L. He, Pei Liu, MCM Wong, Edward C. Lo	Isabella He
O03	9:30 AM	Level of Satisfaction Among Patients Treated by Clinicians From S.Y. 2023-2024 in Unciano Colleges Inc., College of Dentistry Irene Merced Sagala, Kyla Mariah Doble, Patricia Mellen Alo, Jan Irvin Paelmo	Irene Merced Sagala
O04	9:45 AM	Analysis of Knowledge, Attitudes, and Practices Among People Living With HIV Regarding the Management of Oral Manifestations in Surabaya Alya Setyo Pratiwi, Desiana Radithia, Diah S. Ernawati	Aulya Setyo Pratiwi
O05	10:00 AM	Evaluation of the Preschool Oral Healthcare Programme in Malaysia Farid Nurdin, Zamros Y. Yusof	Zamros Yusof

ORAL PRESENTATION 1

IADR-SEA Research Competition: Behavioural, Epidemiologic and Health Services Research Category

Thursday, 28th November 2024			ROOM: HATTEN 1
IADR-SEA ID	Start time	Title and Author	Presenting author
O06	10:15 AM	Bike Bites: Common Dental Injuries Amongst Cyclists Muhammad Nafis Naqiuddin, Muhammad Nabil Iman Fauzi, Hazlina Abdul Ghani, Noor Ilyani Othman	Muhammad Nafis Naqiuddin
	10:30 AM	MORNING BREAK	
O08	11:00 AM	Navigating Challenges and Securing Scholarship for International Doctoral Candidates Shelly Arora, Srinivas S. Ramachandra, Nithin M. Gopinathan, Vijay Kumar	Shelly Arora
O17	11:15 AM	Comparing Risk Factors for ECC and S-ECC Among Four-Year-Olds in the Mekong Delta, Vietnam Chau Ngo Uyen, Khanh M. Nguyen, Khai Q. Dao, Quan D. Tran, Hung T. Hoang	Chau Ngo Uyen

ORAL PRESENTATION 1

IADR-SEA Research Competition: Behavioural, Epidemiologic and Health Services Research Category

Thursday, 28th November 2024			ROOM: HATTEN 1
IADR-SEA ID	Start time	Title and Author	Presenting author
O10	2:00 PM	Big 5 Personality Traits to the Clinical Status Of Dental Student Clinician Rogeli Antonio Esquierdo	Rogeli Antonio Esquierdo
O11	2:15 PM	Secondhand Smoke Exposures Among Orang Asli: A Pilot Study Nurliyana Roslan, Norashikin Yusof, Azri Aliah Mohd Yani	Nurliyana Roslan
O12	2:30 PM	Smoking Patterns and Outcomes of Patients Attending the Smoking Cessation Clinic, Faculty of Dentistry, University Teknologi MARA (UiTM) Nuranida Hani Ruslan	Nuranida Hani Ruslan
O13	2:45 PM	Coping Mechanism of Dental Students Dealing With Stress During New Normal Learning System Carmelita Gelig	Carmelita Gelig
O14	3:00 PM	Deregulation of Liquid Nicotine From Poison Act 1952: A Content Analysis of Malaysia's Online News Nurain Abdul Samat, Budi Aslinie Md Sabri, Nur Amani @ Natasha Ahmad Tajuddin, Nawwal Alwani Mohd Radzi	Nurain Abdul Samat

ORAL PRESENTATION 1

IADR-SEA Research Competition: Behavioural, Epidemiologic and Health Services Research Category

Thursday, 28th November 2024			ROOM: HATTEN 1
IADR-SEA ID	Start time	Title and Author	Presenting author
O15	3:15 PM	Unlocking Change: A Qualitative Study on Dental Postgraduates and Patients' Perspectives in Smoking Cessation Through Motivational Interviewing Nur Hidayatul Mardhiyyah Mohamad Zubli, Nor Faezah Md Bohari, Budi Aslinie Md Sabri, Azri Aliah Mohd Yani	Nur Hidayatul Mardhiyyah Mohamad Zubli
O16	3:30 PM	Musculoskeletal Challenges Among Malaysian Primary Oral Healthcare Personnel Che Jailan, Mohd Shukri bin Mohd Aris, Nawwal Alwani Mohd Radzi	Che Jailan
O18	3:45 PM	Early Intervention: Optimizing Oral Health in Filipino Children Maria Elissa Zam Amador, Aljen G. Aguirre, May Ann J. Belza, Hannah Jezyl M. Diaz, Ma. Nicole Frances R. Domingo, Sharina de Rama, Gwendolyn A. Fegarido, Gwyneth M. Lim, Leslie Mae M. Mondejar, Kathleen G. Nolasco, Prince Warren L. Pujeda, Xyla Mae Reyes, Shaira V. Sombilla, Bea Katreena B. Soriano, Garri Immanuel R. Tadlip, Ariel D. Go, Maria Teresa P. Garcia	Maria Elissa Zam Amador
O19	4:00 PM	Family Cohesion and Oral Health Status of Orang Asli's Children: A Pilot Study Nurul Fahizha Fahimi, Norashikin Yusof, Budi Aslinie Md Sabri	Nurul Fahizha Fahimi

ORAL PRESENTATION 2

IADR-SEA Research Competition: Cariology and Oral Health Research Category

Thursday, 28th November 2024			ROOM: HATTEN 2
IADR-SEA ID	Start time	Title and Author	Presenting author
O20	9:00 AM	Effectiveness of Dental Home Visits in Reducing Dental Caries in Children- A Systematic Review Shilpa Gunjal, Ankita Arora, Kirti Saxena, Muneer G. Babar	Shilpa Gunjal
O21	9:15 AM	Adult Caries Risk Factors: A Systematic Review for Screening Tools Mohd Hidir Mohd Atni, Noor Asilati Ab Raob, Budi Aslinie Md Sabri, Nik Mazuan Nik Mohd Rosdy, Mohd Azrul Amir Muhamad Tajudin	Mohd Hidir Mohd Atni
O22	9:30 AM	Application Protocol of Silver Diamine Fluoride in Preventing Dentine Erosion Dhananthat Chawhuaveang, C H Chu, Ollie Yiru Yu	Dhananthat Chawhuaveang
O23	9:45 AM	The Antibacterial Efficacy of Silver Diamine Fluoride and Sodium Fluoride Varnish in Early Childhood Caries: A Randomized Controlled Trial Nur Amalina Asmad, Nurharnani Harun, Alaa S. Hussein	Nur Amalina Asmad

ORAL PRESENTATION 2

IADR-SEA Research Competition: Cariology and Oral Health Research Category

Thursday, 28th November 2024			ROOM: HATTEN 2
IADR-SEA ID	Start time	Title and Author	Presenting author
O24	10:00 AM	The Inhibitory Effect of Combined Aloe Vera (Aloe Barbadensis Miller) and Turmeric (Curcuma Longa) Extracts Against Streptococcus Mutans Don Jemuel Antonio, Tricia Faith Arenó, Mikhaela Rose Cortina, Mariele Crucero, Tanya Dawood, Paola Mikhaela Odonó, Marylourd Rabena, Ellaine Kinah Ruiz, Faye Marylou Villafania, Andrei Christan Peñaranda	Mikhaela Rose Cortina
O25	10:15 AM	Early Childhood Medications and Enamel Biogenesis: Systematic Review and Meta-Analysis Nadia Zamri, Hien Chi Ngo, Kausar Sadia Fakhruddin	Nadia Zamri
	10:30 AM	MORNING BREAK	
O26	11:00 AM	Effect of 38% Silver Diamine Fluoride Application-Time on Caries Arrest Iliana G. Yan, Miaomiao F. Zheng, Duangporn T. Duangthip, Edward C. Lo, C H Chu	Iliana Yan

ORAL PRESENTATION 2

IADR-SEA Research Competition: Cariology and Oral Health Research Category

Thursday, 28th November 2024			ROOM: HATTEN 2
IADR-SEA ID	Start time	Title and Author	Presenting author
O27	11:30 AM	YouTube™ Video Content Analysis on Orthodontic Removable Appliances Indah Yuri Noviaranny, Nagham Abdullah, Aslam Kamarudin, Ezam Haikal	Indah Yuri Noviaranny
O28	11:45 AM	Impact of Tooth Retention and Dental Rehabilitation on Diet Quality Ashish Kalhan, Upul Cooray, Gustavo Nascimento	Ashish Kalhan
O29	12:00 PM	Effects of Undernutrition Pregnancy on Bone and Teeth Development Offspring Wahyuni Dyah Parmasari, I G. Ardani, Ida B. Narmada, Alexander P. Nugraha, Kuntaman Kuntaman, Agustina P. Arini	Wahyuni Dyah Parmasari
O30	12:15 PM	Oral Health-Related Quality of Life and Associated Factors Among 11-12-Year-old Children in Lahore, Pakistan Khaliqa Tul Zahra, Marhazlinda Jamaludin, Zamros Y. Yusof	Khaliqa Tul Zahra

ORAL PRESENTATION 3

IADR-SEA Research Competition & Non-competing: Oral Medicine and Maxillofacial Surgery Research

Thursday, 28th November 2024			ROOM: HATTEN 3
IADR-SEA ID	Start time	Title and Author	Presenting author
O64	9:00 AM	Differences in GCF Protein Profile of Patients Taking Antiresorptive and Anti-Angiogenic Medications Mariati Abdul Rahman, Nurfatima Fadli, Saiful Anuar Karsani, Noor Liana Mat Yajit, Roszalina Ramli	Mariati Abdul Rahman
O65	9:15 AM	Identification of Medication-Related Osteonecrosis of the Jaw (MRONJ) Related Proteins in Gingival Crevicular Fluid (GCF) Nurfatima Fadli, Roszalina Ramli, Saiful Anuar Karsani, Noor Liana Mat Yajit, Mariati Abdul Rahman	Nurfatima Fadli
O68	9:30 AM	Identification and Functional Analysis of a Novel CNNM4 Variant in Jalili Syndrome Khanti Rattanapornsompong, Mawika Rinkrathok, Thantrira Pornaveetus	Khanti Rattanapornsompong
O69	9:45 AM	Targeting the Neuro-Immune Axis to Promote Diabetic Periodontal Healing Ling JI	Ling JI

ORAL PRESENTATION 3

IADR-SEA Research Competition & Non-competing: Oral Medicine and Maxillofacial Surgery Research

Thursday, 28th November 2024			ROOM: HATTEN 3
IADR-SEA ID	Start time	Title and Author	Presenting author
O70	10:00 AM	Effect of Orthognathic Surgery on Masticatory Behavior Using Wearable Device Myo Maung Maung, Ryoko Takeuchi, Kenta Haga, Daisuke Suda, Naoaki Saito, Daisuke Saito, Hidenobu Sakuma, Daichi Hasebe, Tadaharu Kobayashi	Myo Maung Maung
O72	10:15 AM	Post Extraction Therapy With Limosilactobacillus Reuteri and Hyaluronic Acid Combination Desak M. Wijayanti, Armelia S. Widyarman, Melanie H. Sadono	Desak Wijayanti
	10:30AM	MORNING BREAK	
O74	11:00 AM	Improvement of Food Comminution at Swallowing Threshold After Prosthodontic Treatment Pinta Marito, Kazuhiro Murakami, Monika Werdiningsih, Lindawati Kusdhany, Muslita Indrasari, Takahiro Ono, Kazuhiro Hori	Pinta Marito

ORAL PRESENTATION 3

IADR-SEA Research Competition & Non-competing: Oral Medicine and Maxillofacial Surgery Research

Thursday, 28th November 2024			ROOM: HATTEN 3
IADR-SEA ID	Start time	Title and Author	Presenting author
O75*	11:15 AM	Evaluating the Efficacy of a Topical Non-NSAID for Pain Reduction Within 24 Hours After Minor Oral Surgery Boosana Kaboosaya	Boosana Kaboosaya
O76*	11:30 AM	Exploring the Relationship Between Root Anatomy and Cortical and Mucosal Thickness of the Maxillary Sinus Floor Wan-Chuen Liao, Chi-Hung Chen, Hsiao-Hua Chang, Mei-Chi Chang, Jjiang-Huei Jeng	Wan-Chuen Liao
O77*	11:45 AM	Pain and Swelling Following rh-BMP2/ACS Application in Third Molar Sockets Sirimanas Jiaranuchart	Sirimanas Jiaranuchart
O78*	12:00 PM	Effectiveness of Novel Patient Educational Kit for Post-Dental Extraction Care Melissa Mohammad, Mohd Shawal Firdaus Mohamad, Tengku Intan Baizura Tengku Jamaluddin, Hazmyr Abdul Wahab, Su Keng Tan	Melissa Mohammad

* Non competing

ORAL PRESENTATION 4

IADR-SEA Research Competition & Non-competing: Microbiology, Immunology & Salivary Research Category

Thursday, 28th November 2024			ROOM: HATTEN 2
IADR-SEA ID	Start time	Title and Author	Presenting author
O79	2:00 PM	The Effect of Standardized Centella Asiatica Extract (ECa233) on Antibacterial Caries Pathology and Oral Wound Healing: an in-Vitro Study Nattapon Rotpenpian	Nattapon Rotpenpian
O80	2:15 PM	Epsilon-Polylysine (ϵ-PL) Antibacterial Profile Against Enterococcus Faecalis as Endodontic Irrigant Brian Limantoro, Novaldy Wahjudianto, Dian A. Wahjuningrum	Brian Limantoro
O81	2:30 PM	Microbial Evidence Linking Periodontitis History to Increase Risk of Peri-Implantitis: A Metagenomic Cohort Study Wang Miao, Zhou Qin, Xu Dan	Wang Miao
O82	2:45 PM	CGRP and PGE2 Expressions After Capsaicin Local Administration During Orthodontic Tooth Movement in Vivo Ervina Winoto, Ida B. Narmada, I G. Ardani	Ervina Winoto

ORAL PRESENTATION 4

IADR-SEA Research Competition & Non-competing: Microbiology, Immunology & Salivary Research Category

Thursday, 28th November 2024			ROOM: HATTEN 2
IADR-SEA ID	Start time	Title and Author	Presenting author
O83	3:00 PM	Linking Salivary Prenatal Exposomes to Maternal Metabolism: A New Insight Preethi Prajod, Kok Hian Tan, Ryan W. Lee, May Lay Ong, Jaya Seneviratne	Preethi Prajod
O84	3:15 PM	Differences in Metalloproteinase-8 (MMP-8) Levels in the Saliva of Periodontitis Patients With and Without Type 2 Diabetes Mellitus Titiek Berniyanti, Dini Setyowati, Retno Palupi, Baleegh A. Alkadasi, Kartika P. Sari	Titiek Berniyanti
O85	3:30 PM	Saliva and Oral Health in Neurodevelopmental Disorders: A Systematic Review Nur Syamimi Izzati Mohamed Rafee, Ahmad Faisal Ismail, Rohaida Abdul Halim	Nur Syamimi Izzati Mohamed Rafee
O89	3:45 PM	Mutational Analysis of Hedgehog Signaling Pathway Genes in Human Salivary Gland Tumors. Deepak G. Pateel, Wong G. Rean, Rosnah B. Zain, Anand Ramanathan	Deepak Pateel

ORAL PRESENTATION 4

IADR-SEA Research Competition & Non-competing: Microbiology, Immunology & Salivary Research Category

Thursday, 28th November 2024			ROOM: HATTEN 2
IADR-SEA ID	Start time	Title and Author	Presenting author
O86*	4:00 PM	Histological Evaluation of Osteogenesis Using Stem Cells From Human Exfoliated Deciduous Teeth-Seeded Polymethylmethacrylate and Hydroxyapatite Scaffold Tania Saskianti	Tania Saskianti
O87*	4:15 PM	Assessing the Efficacy of L. Rhinocerus TM02® Gel in the Healing of Oral Ulcer: A Randomised Clinical Trial Yeannie Hui Yeng Yap, Betsy S. Thomas, Aliza N. Azlan, Ellysa Leong, Janet Pei Shan Chai	Ellysa Leong
O88*	4:30 PM	Candida Albicans Ddi1 DNA-Protein Crosslink Repair Protease Under Oxidative Stress Oranart Matangkasombut, Juthamas Sukted, Arnnonchai Junsuntonpass, Skorn Mongkolsuk	Oranart Matangkasombut

* Non competing

ORAL PRESENTATION 5

IADR-SEA Research Competition: Digital Dentistry and AI Research Category

Thursday, 28th November 2024			ROOM: HATTEN 3
IADR-SEA ID	Start time	Title and Author	Presenting author
O51	2:00 PM	IOTN-AI: a Deep Learning Model Mimicking Human Thought in Orthodontic Needs Assessment Hong Doan Thi Phuong, Khoa D. Nguyen, Ding-Han Wang, Ming-Lun Hsu, Hung T. Hoang	Hong Doan Thi Phuong
O52	2:15 PM	Impact of Printing Angulation and Heat Treatment on Marginal and Internal Gaps of Co-Cr Crowns Fabricated Using Selective Laser Melting Nareudee Limpuangthip, Hein Linn Htat, Jae-Hyun Lee	Nareudee Limpuangthip
O53	2:30 PM	Use of Intraoral Camera in Estimating Gingival Inflammation on SG70-Cohort Czarmaine Masigla, Huihua Li, Fabio Renato M. Leite, Woon-Puay Koh, Marco Peres	Czarmaine Masigla
O54	2:45 PM	Application of Face Scanner and Self-Assessment to Evaluate Soft Tissue Changes Before and After Double-jaw Orthognathic Surgery on Class III Patients Nhat Nguyen, Nam C. Huynh	Nhat Nguyen

ORAL PRESENTATION 5

IADR-SEA Research Competition: Digital Dentistry and AI Research Category

Thursday, 28th November 2024			ROOM: HATTEN 3
IADR-SEA ID	Start time	Title and Author	Presenting author
O55	3:00 PM	Evaluation of Prebent Plates in Mandibular Reconstruction Using Virtual Surgical Planning: An in Vitro Study Phuc Le Hoai, Phuong H. Lam, Hung T. Hoang	Phuc Le Hoai
O56	3:15 PM	Identify Characteristics of Vietnamese OSCC Patients by Machine Learning on MRNA-Sequencing and Clinical-Histopathological Analysis Nam C. Huynh, Huong Duong	Nam Huynh
O57	3:30 PM	Refining the Prediction Ability for Malignant Transformation in Oral Potentially Malignant Disorders Using an Enhanced Machine Learning Algorithm Jingwen Li, Yafang Zhou, Mengjing Zhang, Colman P. McGrath, Dian Zhang, Li Wu Zheng	Jingwen Li
O58	3:45 PM	Anterior Alveolar Cortical Thickness in Different Skeletal Patterns: A CBCT Study Nagham Al-Jaf, Mohamed Ibrahim Abu Hassan, Rohaya M. Abdul Wahab	Nagham Al-Jaf

ORAL PRESENTATION 5

IADR-SEA Research Competition: Digital Dentistry and AI Research Category

Thursday, 28th November 2024			ROOM: HATTEN 3
IADR-SEA ID	Start time	Title and Author	Presenting author
O59	4:00 PM	Detailed Evaluation of Masticatory Performance by Photographic Image Analysis Aye Mya Mya Khaing, Kazuhiro Murakami, Hinako Takano, Kazuhiro Hori	Aye Mya Mya Khaing
O60	4:15 PM	Computer-Assisted Veneer Preparation: A Scoping Review on Digital Esthetic Planning Xin Guan, Beh Yew Hin, In Meei Tew	Xin Guan
O90	4:30 PM	Exploring Adolescents' Perceptions on the Use of Metaverse for Oral Health Education (Meta-OHE) as an Oral Health Education Tool: A Focus Group Study Amirul Faiz, Wei Shang Low, Man Xi Shim, Eddy Hasrul Hassan, Budi Aslinie Md Sabri, Nawwal Alwani Mohd Radzi	Amirul Faiz
O62	4:45 PM	Reliability of Intra-Oral Photographs in Recording Dental Caries Using ICDAS Among 5-Year-Old Children Hy Luong Gia, Hung T. Hoang, Thoai Q. Kieu, Chau Uyen Ngo, Khai Q. Dao	Hy Luong Gia

ORAL PRESENTATION 6

IADR-SEA Research Competition: Biomaterials and Biomechanics Research Category

Friday, 29th November 2024			ROOM: HATTEN 3
IADR-SEA ID	Start time	Title and Author	Presenting author
O36	9:00 AM	Five-Year Clinical Audit of Undergraduate-Performed Direct Composite Restorations Adele H. Woo, Ke Ying Ng, Kiran Rehman, Omer S. Sultan	Ke Ying Ng
O37	9:15 AM	Fibronectin-Allylamine Grafted Bioactive Zirconia Implant by Using Glow Discharge Plasma Lwin Moe Aung, Eisner Salamanca, Ting-Yi Renn, Yi-Fan Wu, Ying-sui Sun, Wei-Jen Chang	Lwin Moe Aung
O38	9:30 AM	Shear Bond Strength of Different Adhesive Systems to Resin-Modified Glass Ionomer Liner and Calcium Silicate Cement Sin Wei Lou, Safura Anita Baharin, Jasmina Qamaruzzaman, Eason Soo	Lou Sin Wei
O39	9:45 AM	Effectivity of Adhesive Material With Hesperidin and Calcium Phosphate Ion Cluster Modification on Composite Resin-Dentin Bond Strength Shahnaz D. Putri, Yosi Kusuma Eriwati, Sunarso	Shahnaz Putri

ORAL PRESENTATION 6

IADR-SEA Research Competition: Biomaterials and Biomechanics Research Category

Friday, 29th November 2024			ROOM: HATTEN 3
IADR-SEA ID	Start time	Title and Author	Presenting author
O40	10:00 AM	Bioengineered Resin-Dentin Interface using Lipoids-vehicle Riboflavin-5'-Monophosphate and Triethoxy Silane: An Innovative Dentin Bonding Strategy Umer Daood, Wong Er-Vin, Yip C. Marn, Wong S. Shuai, Jasmin K. Singh, Kiran Rehman, Preena Sidhu, Loo C. Thou, Angelia A. Tang, Syed S. Mahdi, Fabian Davamani, Salvatore Sauro	Umer Daood
O41	10:15 AM	Papaya Effective Eco-Produce: Proteomics and Influence on Root Dentine Microhardness Hetal A. Mavani, In Meei Tew	Hetal Mavani
	10:30AM	MORNING BREAK	
O42	11:00 AM	Effects of Light-Curing Units and Zirconia on Self-Adhesive Resin Cements and Gingival Fibroblasts. Thantrira Pornraveetus, Siriwong Wongsirisuwan	Thantrira Pornraveetus

ORAL PRESENTATION 6

IADR-SEA Research Competition: Biomaterials and Biomechanics Research Category

Friday, 29th November 2024			ROOM: HATTEN 3
IADR-SEA ID	Start time	Title and Author	Presenting author
O43	11:15 AM	Biomimetic Functionality of 3D-Bioprinted Hydroxyapatite-Based Hydrogel for Periodontal Tissue Regeneration Nurulhuda Mohd, Masfueh Razali, Mohd Fauzi Mh Busra, Noor Hayaty Abu Kasim	Nurulhuda Mohd
O44	11:30 AM	Fluid Dynamics and Smear Layer Evaluation of Different Irrigation Techniques Wan Nur Farhana Wan Abdul Rahman, Nurul Ain Ramlan, Nik Zarina Nik Mahmood, Ahmad Hussein Abdul Hamid	Wan Nur Farhana Wan Abdul Rahman
O45	11:45 AM	ITGB6 Mutation Impact on Gingival Fibroblast Transcriptome and Tooth Properties Kanokwan Sriwattanapong, Anucharte Srijunbarl, Lawan Boonprakong, Thantrira Porntaveetu	Kanokwan Sriwattanapong

ORAL PRESENTATION 6

IADR-SEA Research Competition & Non-competing: Biomaterials and Biomechanics Research Category

Friday, 29th November 2024			ROOM: HATTEN 3
IADR-SEA ID	Start time	Title and Author	Presenting author
O46	2:15 PM	Comparison of Efficacy of Sonic Irrigation Versus Passive Ultrasonic Irrigation in the Removal of Smear Layer From the Apical Third of Root Canal Space: An in-Vitro Experimental Study Bibi Fatima	Bibi Fatima
O48	2:30 PM	The Characterization, Bacterial Inhibitory Effect, and in Silico Prediction of the Anti-Inflammatory Effect of Omega-3 Fatty Acids Riched in Milkfish as the new Candidate of Dentifrice's Active Ingredient Irma J. Savitri, Amalia K. Lathifah, Almadhani Nur Fadila, Griselda Yolanda, Chyeisha Serafinne, Lina Nur Laili, Nor Adinar Baharuddin	Irma Savitri
P05	2:45 PM	Fracture Resistance in Implant-Supported Zirconia Crowns: Effects of Material Type Ammar Yasser Abdul Hakim @ Abdul Khakin, Nur Hafizah Kamar Affendi, Rohana Ahmad	Ammar Yaseer Abdul Hakim @ Abdul Khakin

ORAL PRESENTATION 6

IADR-SEA Research Competition & Non-competing: Biomaterials and Biomechanics Research Category

Friday, 29th November 2024			ROOM: HATTEN 3
IADR-SEA ID	Start time	Title and Author	Presenting author
P07	3:00 PM	Zirconia Bonding: Review of Current Concepts and Protocols Muhammad Nur Izham Khairuddin, Mohamed Ibrahim Abu Hassan, Aini Hayati Abdul Rahim	Muhammad Nur Izham Khairuddin
O49*	3:15 PM	Complication and Survival of Zirconia Resin-Bonded Bridges: A Scoping Review Nida Amalia, Shahida Mohd-Said, In Meei Tew, Debby Saputera	Nida Amalia
O09*	3:30 PM	Questionnaire-Based Evaluation of Virtual Dental Clinic: A Novel Approach to Assess the Pedagogy of Clinical Training. Kiran Rehman, Omer S. Sultan, Syed S. Mahdi, Muneer G. Babar	Kiran Rehman

* Non competing

ORAL PRESENTATION 7

Non-competing: Cariology and Digital Dentistry

Friday, 29th November 2024			ROOM: HATTEN 2
IADR-SEA ID	Start time	Title and Author	Presenting author
O33	2:15 PM	The Impact of Dental Knowledge on Self-Perceived Oral Health Behaviors Among Adolescents Jose Carlos Stajuana	Jose Carlos Stajuana
O34	2:30 PM	Antimicrobial Effect and Morphological Analysis of Various pH Levels Oxy-Ionic Solution Against Streptococcus Mutans and Candida Albicans - An in Vitro Study Ming Xu, Rozita Hassan, Suharni B. Mohamad, Wan Nazatul Shima B. Shahidan, Razan Hayati B. Zulkeflee	Ming Xu
O61	2:45 PM	Accuracy and Reliability of Digital Dental Models Obtained by Intraoral Scans Compared With Plaster Models Tran Huyen Bao Vo, Hung Lam Tran, Ngoc Quang Phi Tran, Nhut Khue Truong, Viet Hoang	Tran Huyen Bao Vo
O63	3:00 PM	Geo-Mapping of the Public Water System and Domestic Wells and Hotspot Analysis of Dental Caries Status Among 12 Years Old in Kelantan Nurin Amalina Mohamed, Norashikin Yusof, Nawwal Alwani Mohd Radzi	Nurin Amalina Mohamed

IADR-UNILEVER HATTON COMPETITION

Junior category

Friday, 29th November 2024			ROOM: HATTEN 2
IADR-SEA ID	Start time	Title and Author	Presenting author
P01	9:00 AM	Effectiveness of Detecting Proximal Caries Using CMOS and PSP Nhan Doan Phan Chi, Nhan Phan Thi Thanh	Nhan Doan Phan Chi
P68	9:15 AM	Dental Caries Prevalence in Older Adults With Diabetes Mellitus in Kuala Lumpur & Selangor Nur Sara Suhana Muhamad Khairol	Nur Sara Suhana Muhamad Khairol
O66	9:30 AM	Development and Validation of the UiTM Satisfaction of Dental Local Anesthesia Scale(USDLAS) - Preliminary Results Aisha L. Mohd Lotfi, Amy N. Ahmad Sudirman, Nur S. Nazmi, Nur S. Ahmad, Tengku Intan Baizura Tengku Jamaluddin, Khairil A. Md. Isa, Naffisah M. Hassan, Nazer Berahim	Aisha Mohd Lotfi
O67	9:45 AM	Translation and Validation of the Bahasa Melayu Version of the UiTM Patient Satisfaction of Dental Local Anesthesia Scale (USDLAS) Amy N. Ahmad Sudirman, Aisha L. Mohd Lotfi, Nur S. Ahmad, Nur S. Nazmi, Tengku Intan Baizura Tengku Jamaluddin, Nazer Berahim, Naffisah M. Hassan, Khairil A. Md. Isa	Amy Ahmad Sudirman

IADR-UNILEVER HATTON COMPETITION

Junior category

Friday, 29th November 2024			ROOM: HATTEN 2
IADR-SEA ID	Start time	Title and Author	Presenting author
P71	10:00 AM	Effect of Cannabidiol on Temporomandibular Osteoarthritis Pain in Mice Wittida Chantawichayasuit, Mananchaya Punsiri, Pakawatwong Bunluesak, Tawepong Arayapisit, Aree Wanasuntronwong	Wittida Chantawichayasuit
P73	10:15 AM	Data-Driven Multiomic Profiling of HPV-Related HNSCC Shin-Hua Kuo, Cheng-Chieh Yang, Yu-Cheng Lin	Shin-Hua Kuo
	10:30 AM	MORNING BREAK	
P74	11:00 AM	Mandibular Bone Postmenopausal Osteoporosis Analysis Linked to Coal Dust Exposure Marvel Wendel, Yulia P. Pambudi, Rahmadani Penre, Juliyatin P. Utami, Debby Saputera, Deby K. Putri, Bambang Setiawan, Amy N. Carabelly	Marvel Wendel

IADR-UNILEVER HATTON COMPETITION

Junior category

Friday, 29th November 2024			ROOM: HATTEN 2
IADR-SEA ID	Start time	Title and Author	Presenting author
P69	11:15 AM	Salivary Mycobiome Predictor of Early Childhood Caries in 1-Year-old Children Rawinunt Thanachayanont, Molchawan Wongwiseskul, Pornchanok Puttachatsombat, Ratcha Raksakmanut, Sirima Sritangsirikul, Waranuch Pitiphat, Panida Thanyasrisung, Oranart Matangkasombut	Rawinunt Thanachayanont
P75	11:30 AM	Variations in Morphology And Attachment of Maxillary Labial Minh Tran, Thu Tran Lam Minh, Tram Nguyen Bui Thanh, Hien Huynh Huu Thuc	Minh Tran
P76	11:45 AM	Student Perception on Direct Retainer Design Principles Based on Clinic I Sean Audrey Juanites, Gabrielle Salao, Joev Alvero, Ralph Gison, Cesar Paul Menez	Sean Audrey Juanites
O07	12:00 PM	Exploring the Resilience of UiTM Clinical Dental Students Muhammad Izzul Afiq Abdul Rasib, Muhammad Alif Aiman Alwi, Hazmyr Abdul Wahab, Nazer Berahim, Azmeel M. Anuar	Muhammad Izzul Afiq Abdul Rasib