

CDSHK SCIENTIFIC MEETING 2024



Promoting Oral Health and Healthy Aging: Strategies for Geriatric Patients

27-28 July 2024
(Saturday to Sunday)

Hong Kong Academy of Medicine
Jockey Club Building
Hong Kong



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WELCOME MESSAGE



Professor LEUNG Wai Keung
President
The College of Dental Surgeons
of Hong Kong

On behalf of The College of Dental Surgeons of Hong Kong (CDSHK) and the Organizing Committee, I am honored to welcome all speakers, guests, Fellows, Members, attendees, and sponsors to the July 27 to 28, 2024 CDSHK Scientific Meeting.

We are grateful to you all for attending this conference. Your participation in this Scientific Meeting is a testament to your commitment to promoting knowledge exchange and upholding our professional standards. We look forward to your active involvement over the next two days.

The World Health Organization (WHO) issued a statement on October 1, 2022, concerning the health of the aging world population. In 2020, we witnessed globally the number of people aged 60 and older outnumber children younger than 5; by 2050, the proportion of the world's population over 60 will increase from 12% in 2015 to 22%, with 80% of older people living in low—and middle-income countries.

It is gratifying to see the Government of the Hong Kong Special Administrative Region (HKSAR) Health and Medical Services promptly respond to the WHO's call to tackle such major challenges and ensure that our local health and social systems are ready to address and take advantage of this demographic shift.

The CDSHK is honored to host Dr. PANG Fei Chau, President of Hong Kong College of Community Medicine and Commissioner for Primary Healthcare, Health Bureau of the Government of the HKSAR, for the Keynote lecture titled “Development of Preventive Care in Medical And Dental Care in Hong Kong”, as well as other prominent local speakers on topics related to nutrition, aging, and oral health, maintenance, prevention, and disease management. The two-day knowledge/action pack Scientific meeting also provided hands-on opportunities for aesthetic dentistry and alveolar ridge preservation.

I express my utmost appreciation to our distinguished speakers, the Organizing Committee, our support staff, and, most importantly, our sponsors for their tremendous effort in making this a quality educational event possible. I encourage you to take full advantage of this two-day conference by participating actively in all the scientific sessions, discussing, and socializing with your fellow colleagues.

Once again, I welcome you all to the CDSHK 2024 Scientific meeting and wish you an enjoyable and productive experience. Thank you.

MESSAGE FROM THE CHAIRMAN OF SCIENTIFIC MEETINGS COMMITTEE



Dr HO King Lun
**Chairman of
Scientific Meetings Committee
The College of Dental Surgeons
of Hong Kong**

Distinguished Fellows, Members, and Colleagues,

It is my privilege to welcome you to the 2024 Annual Scientific Meeting organized by the College of Dental Surgeons of Hong Kong. Over the next two days, we embark on a journey to explore the theme of “Promoting Oral Health and Healthy Aging: Strategies for Geriatric Patients.”

Our gathering brings together local dental specialists and general dentists, all committed to advancing evidence-based practices in oral health care. The challenges posed by an aging population demand innovative strategies, and this meeting serves as a platform for sharing knowledge, insights, and best practices.

Our esteemed local speakers, representing diverse fields within our college and academy, will illuminate the path forward. Their expertise enriches our discussions. Together, we will explore cutting-edge research, clinical experiences, and collaborative approaches.

As we convene, let us celebrate the spirit of inquiry, collaboration, and lifelong learning. Our collective efforts will shape the future of geriatric oral health. I encourage you to engage actively, ask questions, and forge connections that extend beyond these two days.

I would like to extend our heartfelt appreciation to the tireless efforts of the Scientific Meetings Committee, whose meticulous planning and commitment have brought us together today. Their vision, attention to detail, and passion for advancing dental knowledge have shaped this remarkable event.

Equally deserving of recognition is the Council of the CDSHK, whose steadfast support has made this gathering possible. Their foresight in promoting excellence in oral health care resonates throughout our profession.

Thank you, dear colleagues, for your unwavering dedication. Let us make this scientific meeting a memorable and transformative experience.

LIST OF SCIENTIFIC MEETINGS COMMITTEE

Chairman	Dr HO King Lun
Ex-officio Member	Dr SO Cheuk Hang
Members	Dr FUNG Ho Tak Marcus
	Dr CHEUNG Wan Tin Amelia
	Dr NG Sheung Chun
	Prof LAM Yu Hang
	Dr LEE Hiu Man Gilian
	Dr LAW Yee Hung
	Dr LAU Yun Wah

PROGRAMME RUNDOWN

27th July 2024

Workshop 1 “Restorative Solution for Open Gingival Embrasures”

9:00 – 12:00 *By Dr WAN Kong Yuk Annie and Prof LIM Tong Wah*



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Academic Forum

(Moderator : Dr LEE Hiu Man Gillian & Dr SO Cheuk Hang)

13:30 – 14:00 Registration

14:00 – 14:30 Opening

14:30 – 15:15 “Development of Preventive Care in Medical And Dental Care in Hong Kong” *By Dr PANG Fei Chau*

15:15 – 15:45 Tea Reception

15:45 – 16:30 “Successful Aging and Oral Health”
By Prof Colman McGRATH
(via Online Zoom Platform, with Q&A in Zoom)

16:30 – 17:00 “Common Oral Pathologies in Geriatric Patients”
By Dr LAW Yee Hung, Specialist in Oral & Maxillofacial Surgery

17:00 – 17:15 Panel Discussion, Q&A

Workshop 2 “Alveolar Ridge Preservation: Current Evidence and Techniques”

18:00 – 21:00 *By Dr HO King Lun*
Specialist in Periodontology

PROGRAMME RUNDOWN

28th July 2024

Academic Forum

(Moderator of AM session : Prof LAM Yu Hang & Dr NG Sheung Chun)

8:45 – 9:15 Registration

9:15 – 10:00 “New Trends in Metabolic Disease Model and Their Relationship with Oral Health and Health Span”

*By Dr WONG Sing Yan Philip, Specialist in Periodontology
(Video Presentation, with Q&A in Zoom)*

10:00 – 10:30 “Periodontal Considerations for the Shorten Dental Arch Concept in Older Adults”

By Prof FOK Melissa Rachel, Specialist in Periodontology

10:30 – 11:00 Tea Reception

11:00 – 11:45 “Removable Partial Dentures - Redundant OR Indispensable”

By Dr WAN Kong Yuk WAN Annie, Specialist in Prosthodontics

11:45 – 12:00 Panel Discussion, Q&A

12:00 – 13:30 Lunch

(Moderator of PM session : Dr CHEUNG Wan Tin Amelia & Dr LAU Yun Wah)

13:30 – 14:30 “Management of Caries Among Older Adults”

By Prof LO Chin Man Edward, Specialist in Community Dentistry

14:30 – 15:15 “Endodontic Management of the Geriatric Patients”

By Prof LEE Angeline Hui Cheng, Specialist in Endodontics

15:15 – 15:45 Tea Reception

15:45 – 16:15 “Orthodontic Treatment in Geriatric Patients”

By Dr YEUNG Yat Cheong, Specialist in Orthodontics

16:15 – 16:45 “Multidisciplinary Treatment of a Patient with Stabilised Stage IV Grade C Generalised Periodontitis (Perio, Ortho, Pros)”

By Dr CHAN Yat Him, Specialist in Periodontology

Dr CHU Ryan Julian Dick Hei,

Dr SUM Fung Hou Kumoi Mineaki Howard, Higher Trainee in Orthodontics

16:45 – 17:00 Panel Discussion, Q&A

SPEAKERS



Dr PANG Fei Chau

Commissioner for Primary Healthcare, Primary Healthcare Office,
Health Bureau,
The Government of the Hong Kong Special Administrative Region
President, Hong Kong College of Community Medicine
MBChB, FHKAM (Medicine), FHKCCM, FRACMA, MBA

Dr PANG Fei Chau is the current Commissioner for Primary Healthcare, the Government of the Hong Kong Special Administrative Region Health Bureau. He is the president of the Hong Kong College of Community Medicine. Dr PANG is an experienced health service executive and have been the Head of Human Resources of the Hospital Authority to provide strategic advice and leadership to the HR function of over 40 public hospitals. He was appointed as the member of the Elderly Commission of the Government of the Hong Kong Special Administrative Region between 2015-2019. He was the elected Council member of The University of Hong Kong in 2021/22.



Prof Colman McGRATH

Clinical Professor in Dental Public Health, Faculty of Dentistry
The University of Hong Kong
BA, BDentSc, DDPHRCs, MSc, MEd, FDSRCS, FFDRCSI, FFPH, PHD

Prof Colman McGRATH is Clinical Professor & Division Coordinator of Applied Oral Sciences & Community Dental Care at the Faculty of Dentistry, The University of Hong Kong. His clinical and research interests are in Special Care Dentistry, and particularly in Aged Care. He was published over 300 research papers in international peer review journals, and has a h-index of 75. He was recently ranked among the Top 2% of Scientist globally by the Stanford University Rankings. He is past President of the Behavioural, Epidemiology and Health Service Research Group of the International Association of Dental Research, serves on the Scientific Committee of the International Association of Disability and Oral Health (iADH), and is the currently Vice President of The Dental Anaesthesiology & Special Care Dentistry (DASCR) of the International Association of Dental Research. He was awarded the Distinguished Service Award of the International Association of Dental Research in 2024.

SPEAKERS



Dr LAW Yee Hung

Specialist in Oral & Maxillofacial Surgery
BDS (HK), FRACDS, MOMS RCSEd, FCDSHK (OMS), FHKAM (DS),
FDS RCSEd, FDS RCPS (Glasg)

Dr LAW Yee Hung began the oral and maxillofacial surgery training after graduation from the University of Hong Kong and completed the Fellowship of the Royal Australasian College of Dental Surgeons FRACDS. She attained the Membership in Oral and Maxillofacial Surgery from the Royal College of Surgeons of Edinburgh MOMS RCSEd in 2012, the Fellowship from College of Dental Surgeon of Hong Kong in Oral and Maxillofacial Surgery FCDSHK (OMS) and the Fellowship in Dental Surgery from The Academy of Medicine FHKAM in 2016. She is also the Fellow of Dental Surgery of the Royal College of Surgeons of Edinburgh FDS RCSEd and the Royal College of Physicians and Surgeons of Glasgow FDS RCPS (Glas).

In addition to serving at Oral and Maxillofacial Surgery and Dental Clinic of the Department of Health, The Government of the HKSAR, she furthered the training at The University of Adelaide in 2016 and received the CDSHK scholarship 2017 for training at the University of California, San Francisco and the University of Miami in USA. She was also awarded the AO CMF Fellowship in 2022 at Asklepios Clinic North, Hamburg, Germany.

Serving in public sectors for more than 15 years provided her with rich experience in different aspects of oral and maxillofacial surgery including trauma, pathologies, orthognathic surgery etc and management by multidisciplinary approach. She is also interested in healthcare management and completed Master in Health Leadership and Policy from the University of British Columbia, Canada in 2022 before continuing private practice now.

SPEAKERS



Dr WONG Sing Yan Philip

Specialist in Periodontology

BDS (HK), FRACDS, MClintDent (Pros) (Lond),
MDS (Perio) (HK), AdvDipPeriodont (HK), MRD RCSEd,
FHKAM (Dental Surgery), FCDSHK (Periodontology)

Dr WONG Sing Yan Philip graduated from the Faculty of Dentistry HKU in 1992 and was awarded FRACDS in 1998, Master in Clinical Dentistry in Prosthodontics (with distinction) by the King's College, University of London in 2006, Master in Dental Surgery, HKU in 2009 and completed his Periodontal training in 2013. Trained in both Prosthodontics & Periodontics, Dr WONG has his main clinical interest in rehabilitation of complex periodontal cases. However, maintaining long term stability of treatment outcomes in certain individuals is challenging despite best effort by the patient and the clinician. One may notice that the involvement of systemic and metabolic factors is significant in these cases. Out of such clinical needs and personal interest, Dr WONG started to study metabolic disease, nutrition and its relationship with oral health. In this fast growing field, new animal and human clinical studies lead to a conceptual change in disease model and management which may affect all individuals who seek to enjoy a healthy aging process.



Prof FOK Melissa Rachel

Specialist in Periodontology

BSc, BDS, MDS (Perio), M Perio (RCSEd), M(Perio) RCPS(Glasg),
FHKAM (Dental Surgery), FCDSHK (Periodontology)

Prof Melissa Rachel, FOK is a Clinical Assistant Professor in the Division of Periodontology and Implant Dentistry in the Faculty of Dentistry, HKU. She obtained BDS and MDS in Periodontology with honours from HKU in 2014 and 2018, respectively. In 2019, she attained memberships in Periodontics from the Royal College of Surgeons of Edinburgh and the College of Dental Surgeons of Hong Kong. She was awarded a fellowship in the specialty of Periodontology by the College of Dental Surgeons of Hong Kong in 2023.

She received multiple accolades throughout her studies including the Mary Sun Medical Scholarship, GlaxoSmithKline Prize in Periodontology and Hong Kong University Alumni Prizes, among others. She was later granted the Hui Pun Hing Memorial Postgraduate Fellowship to pursue a doctoral programme in HKU where she successfully defended her PhD thesis. She actively partakes in undergraduate and postgraduate periodontal and implant education and serves as the programme co-director for the European Federation of Periodontology's accredited postgraduate education program in Periodontology, HKU. As a fledging researcher with a keen interest in periodontal and implant research, she has published articles in leading peer-reviewed periodontal and implant dentistry journals. Currently, she is directing multi-national clinical trials in dental implants.

SPEAKERS



Dr WAN Kong Yuk Annie

Specialist in Prosthodontics

BDS (HK), MDS (Pros) (HK), MCLinDent (Pros) (Lond),
AdvDip Prosthodont (HK), M Pros RCSEd, FHKAM (Dental Surgery),
FDS RCSEd, FCDSHK (Pros), FDS RCPS (Glasg)

Dr WAN Kong Yuk Annie is a Specialist in Prosthodontics. She graduated from The University of Hong Kong and received the Master Degree in Clinical Dentistry in Prosthodontics from The University of London UK and Master Degree in Prosthodontics from The University of Hong Kong.

Dr WAN obtained fellowship in Prosthodontics from The Royal College of Surgeons of Edinburgh and admitted a dental fellow of the Royal College of Physicians and surgeons of Glasgow. She is a Fellow of Hong Kong Academy of Medicine, College of Dental Surgeons of Hong Kong, and the International College of Dentists. She also serves as Deputy Chair of specialty board in Prosthodontics.

Dr WAN maintains a private practice and is the Honorary Dental Consultant of Dental department of United Christian Hospital. She also serves at the Faculty of Dentistry, University of Hong Kong as part time clinical lecturer. She engages in both undergraduate and postgraduate teaching while lectures in the Asia Pacific region.



Prof LO Chin Man Edward

Specialist in Community Dentistry

BDS (HK), MDS (HK), PhD (HK), FHKAM (Dental Surgery),
FCDSHK (Community Dentistry)

Prof Edward C.M. LO is currently Chair Professor of Dental Public Health in the Faculty of Dentistry in the University of Hong Kong. Prof LO is the Chairman of the Specialty Board of Community Dentistry of the College of Dental Surgeons of Hong Kong (CDSHK). He is also a past President of the CDSHK. Internationally, he is a past President of the International Association of Dental Research (IADR) Southeast Asian Division, past President of the IADR Asia-Pacific Region and a past IADR Treasurer. He has published over 400 papers in international scientific journals. Prof LO has conducted many oral epidemiological surveys on various population groups and clinical studies on new preventive and treatment methods for dental caries, including the use of various agents to arrest active decay in the primary teeth of young children and root surface of permanent teeth in older adults. With his outstanding contributions to the field, Prof LO was awarded the IADR Distinguished Scientist Award in Geriatric Oral Research in 2016 and also the IADR E.W. Borrow Memorial Award (for research in oral health promotion for children) in 2021.

SPEAKERS



Prof LEE Angeline Hui Cheng

Specialist in Endodontics

BDS (Otago), MDS (Endo) (HK), AdvDipEndodont (HK),
MScMed (Pain Mgt)(Syd), MEndo RCSEd, FRACDS, MRACDS (Endo),
FCDSHK (Endo), FHKAM (Dental Surgery), FRACDS (Endo), FDS RCSEd, FICD

Prof LEE Angeline Hui Cheng's journey in dentistry began with her graduation in Bachelor of Dental Surgery in 1999 from the University of Otago, New Zealand. She then practiced general dentistry in the private sector in Sydney, Australia, until 2008. Driven by her passion for endodontics, she then pursued and completed a Master of Dental Surgery in Endodontics and an Advanced Diploma in Endodontology in 2010 and 2011, respectively, from the Faculty of Dentistry, the University of Hong Kong. Her dedication was recognized when the Royal College of Surgeons of Edinburgh awarded her as a gold medalist for her performance in the Conjoint CDSHK Intermediate-MEndo RCSEd exam in 2011. She is a fellow of the College of Dental Surgeons of Hong Kong, the Hong Kong Academy of Medicine, and the Royal College of Surgeons of Edinburgh. She is also a fellow of the Royal Australasian College of Dental Surgeons in their general and specialist streams and a registered Specialist in Endodontics with the Dental Council of Hong Kong and the Dental Board of Australia.

Prof LEE's expertise and leadership have been evident throughout her career. She worked as the Principal Clinical Dental Instructor in the Faculty of Dentistry at the University of Hong Kong and at private dental clinics from 2012 to 2022 before becoming a full-time Clinical Assistant Professor at the same university. Her capabilities were further recognized when she was appointed Programme Director in Endodontics and Assistant Dean in the Taught Postgraduate Programme. She is also a Deputy Manager of the IAD-MSc, HKU. Her commitment to the field extends beyond academia, as she serves as a committee member of the Complaint Committee of the Private Healthcare Facilities Ordinance and the President of the Hong Kong Endodontic Society.



Dr YEUNG Yat Cheong

Specialist in Orthodontics

BDS (HK), MOrth (HK), MOrthRCS (Edinburgh), AdvDipOrth (HK),
FCDSHK (Orthodontics), FHKAM (Dental Surgery)

Dr YEUNG Yat Cheong completed his Bachelor of Dental Surgery, Master in Orthodontics and Advanced Diploma in Orthodontics in the University of Hong Kong. He obtained the Diploma of Membership in Orthodontics of the Royal College of Surgeons of Edinburgh in 2014. Fellowships in the specialty have been awarded by the College of Dental Surgeons of Hong Kong and Hong Kong Academy of Medicine subsequently. Dr YEUNG is now a specialist in Orthodontics working in private sector, he is also an Honorary Clinical Assistant Professor in Orthodontics at the University of Hong Kong.

SPEAKERS



Dr CHAN Yat Him

Specialist in Periodontology

BDS(HK), MDS (Perio)(HK), M Perio RCSEd, FHKAM (Dental Surgery),
FCDSHK (Periodontology)

Dr CHAN Yat Him is a private practicing specialist in Periodontology in Hong Kong. He graduated from the University of Hong Kong and received the Master of Dental Surgery in Periodontology from The University of Hong Kong. Dr CHAN obtained Membership in Periodontology from the Royal College of Surgeons of Edinburgh and the Royal College of Physicians and Surgeons of Glasgow. He is a Fellow of Hong Kong Academy of Medicine and College of Dental Surgeons of Hong Kong.

Dr CHAN is also serving at the Faculty of Dentistry, University of Hong Kong as the Honorary Clinical Assistant Professor. He delivers undergraduate education under Area of Periodontology and Implant Dentistry.

Dr CHU Ryan Julian Dick Hei

BDS(HK), MDS(Pros)(HK)

Dr SUM Fung Hou Kumoi Mineaki Howard

Higher Trainee in Orthodontics

BDS (HK), FRACDS (GDP), MDS (Orthodontics and Dentofacial
Orthopaedics), AdvDip Orth (HK)

Dr SUM Fung Hou Kumoi Mineaki Howard began the orthodontics training after graduated from the Bachelor of Dental Surgery (BDS) from The University of Hong Kong in 2023 and completed the Fellowship of the Royal Australasian College of Dental Surgeons FRACDS (GDP) in 2018. He obtained his Master of Dental Surgery and Advanced Diploma degree in orthodontics from the University of Hong Kong in 2020 and 2022 respectively. He recently passed his Exit Examination in the Specialty of Orthodontics in January 2024.

Dr SUM is currently working in the private sector, as well as in the Faculty of Dentistry, the University of Hong Kong and the Department of Dentistry and Maxillofacial Surgery, the United Christian Hospital.

SPEAKERS



Prof LIM Tong Wah

Clinical Assistant Professor in Prosthodontics,
Faculty of Dentistry, The University of Hong Kong
BDS (Malaya), MClintDent in Prosthodontics (London), MProsRCS
(Edinburgh), AM (Malaysia), FHEA (UK)

Prof LIM Tong Wah earned his dentistry degree from the Faculty of Dentistry at the University of Malaya. He received a MoHE government scholarship for his full-time specialist training in Prosthodontics at the Dental Institute of Guy's Hospital, King's College London, London, UK, and passed the Membership in Prosthodontics Examination at the Royal College of Surgeons in Edinburgh. Later, in 2016, he obtained a Fellowship in Advanced Periodontology and Implantology from the University of Genova, Italy. In 2019, Prof LIM was awarded the IDCMR scholarship for a Faculty Exchange Program in Prosthodontics at Mahidol University, Thailand. Currently, Prof Lim serves as a Clinical Assistant Professor in the Division of Restorative Dental Sciences at the Faculty of Dentistry, The University of Hong Kong. He is the former President of the Malaysian Association of Aesthetic Dentistry (2020-2021) and Assistant Secretary of the Asian Academy of Aesthetic Dentistry (2018-2021). Prof Lim has been invited to present and conduct over 50 lectures and workshops at both local and international events. He has nearly 50 international and national awards for research, teaching & learning, and invention & innovation.



Dr HO King Lun

Specialist in Periodontology
BDS (HK), MDS (Perio) (HK), AdvDipPeriodont (HK),
MRD RCSEd (Perio), FHKAM (Dental Surgery),
FCDSHK (Periodontology), FDS RCSEd, FDS RCPS

Dr HO King Lun, Dominic graduated from the Faculty of Dentistry, University of Hong Kong in 2005 and continued to pursue his specialty training in Periodontology in 2006. He obtained his Master in Dental Surgery and Advanced Diploma in Periodontology in 2008 and 2009 respectively. He was later awarded with Fellowship in the College of Dental Surgeons of Hong Kong, Hong Kong Academy of Medicine (Dental Surgery), Royal College of Surgeons of Edinburgh, Royal College of Physicians and Surgeons of Glasgow and Royal College of Surgeons of England.

Dr HO joined the Faculty of Dentistry, HKU as the first Principal Clinical Dental Instructor in the Oral Diagnosis and Polyclinics division in 2010 and later worked as a Clinical Assistant Professor in the Periodontology & Implant Dentistry division and interim Taught Postgraduate Programme Director in Implant Dentistry and co-director in Periodontology and deputy director in Clinical Research Center. He is currently running randomized clinical controlled trials on application of minimal invasive technique on intra bony defects and immediate implant placement protocol. Dominic is now working as a clinical tutor for both postgraduate and undergraduate programmes and also running his private practice with practice focus on the management of periodontitis compromised patients, managing various periodontal and peri-implant complications.

Synopses (27 July 2024, Saturday)

-13-

9:00 – 12:00 **“Restorative Solution for Open Gingival Embrasures”**

Dr WAN Kong Yuk Annie and Prof LIM Tong Wah

The aesthetic concern of open gingival embrasures (black triangles) has long been a common reason for seeking dental care in daily clinical practice. Traditionally, various surgical approaches have been considered for addressing this issue, but the long-term efficacy remains uncertain. A more straightforward and cost-effective solution is the direct restorative technique using composite resins. Managing open gingival embrasures using direct composite resins can be a simple approach in routine practice. However, the formation of emergence profiles can be complex and unpredictable. This workshop will present a recommended restorative technique for open gingival embrasure closure - the injection molding technique using anatomical clear mylar matrices, to achieve cost-effective, minimally invasive, and aesthetically dependable outcomes.

14:30 – 15:15 **“ Development of Preventive Care in Medical And Dental Care in Hong Kong ”**

Dr PANG Fei Chau

Unlike medical practitioners, dental services in our community evolve with mixed practices of specialized interventions and dental health care no matter at individual level or population perspective. At the same time, there is increasing need for collaboration for better care with ageing population like chronic diseases and its impact to oral health. With this regards, we may have to build a common platform to set a common scope of practices especially preventive care which is common to all disciplines. Primary Healthcare Commission will be setup and plan to develop a common system like Primary Care Directory and e-Health for both dentist and medical practitioner. The whole objectives are to strengthen services to enhance self-care and empowerment. The future framework will be tested and implemented through pilot projects either under government subsidized schemes or public services.

15:45 – 16:30 **“ Successful Aging and Oral Health ”**

Prof Colman McGRATH

The rapidly ageing population has placed considerable demands on health and social care. To this end the World Health Organisation (WHO) and United Nation (UN) have declared this decade [2021-2030] to address and bring about healthy ageing/ successful ageing. A key issue for oral health is how to operationalise successful aging in the oral health context – what are the benefits of oral health and oral health care to ageing communities? An overview of the concept/ framework of Successful Ageing and findings from a Scoping Review and a Citation Analyses will be presented (CRD42021232668). Five electronic databases were screened, and 1288 potentially relevant publications were identified. The operationalization of successful aging in oral health to date is typically unidimensional and focuses primarily on the ‘biomedical model’ and thereby underscores the benefits of oral health and oral health care to older people. The citation analyses identified a growing interest in successful ageing in the oral health context, with impact on activities of daily living being a key dimension with the greatest ‘link strengths’ compared to other dimensions. Regional variations in citation data were observed with evidence of interconnectedness between them. Citation analyses identified the "known unknowns" areas for further consideration, and these findings have the potential to inform how dental research and clinical practice may best move forward with the successful ageing agenda to bring about translational impact.

Synopses (27 July 2024, Saturday)

16:30 – 17:00 **“Common Oral Pathologies in Geriatric Patients ”**

Dr LAW Yee Hung

There are age-related functional and structural changes in oral tissues for older adults. Their oral conditions can also be affected by systemic condition or pharmacological use. Oral diseases can be presented as oral manifestation of systemic diseases due to the interaction between the state of the oral and general health. Besides dental caries and periodontal diseases, pathologies involving the surrounding soft and hard tissues in the oral cavity should also be examined and investigated for early recognition. Diagnosis of oral pathologies beyond teeth and periodontium is important. Appropriate intervention or referral is needed for the management of the oral pathologies. Geriatric patients are specific group of patients presented with special needs and care considerations should be tailored in the management according to local and systemic conditions. This presentation aims to provide an overview on common oral pathologies encountered in dental clinics and their management in geriatric patients.

18:00 – 21:00 **“Alveolar Ridge Preservation: Current Evidence and Techniques”**

Dr HO King Lun

Alveolar ridge preservation (ARP) plays a crucial role in maintaining tissues volume and optimizing implant placement procedure. After tooth extraction, the alveolar bone undergoes a remodelling process, leading to horizontal and vertical bone loss., which can complicate implant placement. ARP techniques aim to reduce ridge resorption and make the subsequent implant placement simplified.

In our workshop, we will delve into the evidence supporting ARP. Participants will learn about the clinical indication and clinical efficacy of ARP. Practical sessions will cover techniques for ARP, including handling of biomaterials and wound management with different suturing techniques.

Join us to explore the latest research, exchange insights, and enhance your clinical skills in alveolar ridge preservation.

Synopses (28 July 2024, Sunday)

9:15 – 10:00 “ New Trends in Metabolic Disease Model and Their Relationship with Oral Health and Health Span ”

Dr WONG Sing Yan Philip

Metabolic disease is the major risk factor to healthy aging. Therefore, tremendous research resources were attracted into this field during the past decades resulting in new information and various non-mainstream management protocols. This lecture hopes to discuss some highlights of the mechanistic relationships between various metabolic problems and oral conditions so that the audience could re-examine their health strategies either as a health conscious individual or as a healthcare professional.

10:00 – 10:30 “ Periodontal Considerations for the Shorten Dental Arch Concept in Older Adults ”

Prof FOK Melissa Rachel

As the population ages, numerous challenges arise in maintaining and treating the oral health needs of older individuals. These challenges include declining health, perception of treatment needs, dietary changes, comorbidities with other diseases, and immune senescence. Periodontal diseases are prevalent among elderly individuals, frequently resulting in tooth loss and adversely affecting their quality of life. To address these issues, clinicians must develop economically viable, versatile, and individualized patient-centred treatment plans. The shortened dental arch (SDA) concept may offer a pragmatic and cost-effective alternative to traditional prosthetic rehabilitation in carefully selected cases. This presentation aims to provide an update on the periodontal considerations in planning tooth replacement for geriatric patients. The discussion will explore the biological basis, potential advantages, relative contraindications, and clinical implications of the SDA concept in geriatric patients. Evidence-based recommendations for dental practitioners will be offered to optimize periodontal health and enhance patient outcomes.

11:00 – 11:45 “ Removable Partial Dentures - Redundant OR Indispensable ”

Dr WAN Kong Yuk Annie

In geriatric dentistry, prosthodontic treatment planning can be influenced by the age and health (medical status) of the patient. The routine care can become increasingly difficult if the patient's health deteriorates. As people are retaining more teeth, caries, periodontal disease and toothwear, can lead to deterioration of dentition and require extensive treatment. Removable partial denture plays a significant role in providing a less complex, efficient, and economical solution in oral rehabilitation. In some situation, overdenture can be a good option. Retaining teeth of a doubtful prognosis and strategic importance can simplified the treatment planning. Older people are more difficult to learn new skills and adapt to new prosthesis, the shortened dental arch concept will also be discussed. There is a need to obtain a balance between what the patient wants, what the patient can tolerate and what the dentist can achieve.

Synopses (28 July 2024, Sunday)

13:30 – 14:30 “ Management of Caries Among Older Adults ”

By Prof LO Chin Man Edward

Caries, especially in the tooth roots, is common among the older adults in Hong Kong. This presentation will cover the characteristics of root caries, factors associated with root caries and the principles of caries management. The use of non-invasive approach, such as caries arrest treatment with topical application of fluorides, in particular silver diamine fluoride (SDF) solution, to manage caries lesions will be described. Minimally invasive procedures, such as atraumatic restorative treatment (ART), for placing restorations on root caries lesion will be discussed.

14:30 – 15:15 “ Endodontic Management of the Geriatric Patients ”

By Prof LEE Hui Cheng Angeline

With the ageing population in Hong Kong, dental professionals face a unique set of endodontic challenges with increasing frequency in our daily clinical practice. The routine endodontic treatment approaches cannot always be readily applied to geriatric patients due to their deteriorating tolerance, declining cognitive functions and physical disability, often complicated by the complexity of their medical conditions. This lecture will identify these endodontic challenges and discuss how to manage them based on the elderly patient's dental needs, considering their physical and mental conditions in clinical decision-making. The presentation will also explore the implications of endodontic diseases and the importance of their management in oral rehabilitation of dentition in geriatric patients.

15:45 – 16:15 “ Orthodontic Treatment in Geriatric Patients ”

Dr YEUNG Yat Cheong

As the global population continues to age, there is an increasing demand for comprehensive dental care, including orthodontic treatment, for elder adult patients. This geriatric population presents unique challenges due to their age-related physiological changes and long-standing dental issues. A multidisciplinary approach involving close collaboration between orthodontists and other dental specialists is often required to address the complex oral health needs of these elderly patients.

This presentation will explore the orthodontic considerations when treating geriatric patients and discuss the factors to assess when devising an appropriate treatment plan. The presentation will also illustrate relevant clinical case studies, highlighting the process from initial treatment planning through the execution of the biomechanical plan in order to achieve satisfactory outcomes, facilitate other necessary dental treatments and support long term oral health maintenance.

Synopses (28 July 2024, Sunday)

16:15 – 16:45 “ Multidisciplinary Treatment of a Patient with Stabilised Stage IV Grade C Generalised Periodontitis (Perio, Ortho, Pros) ”

*By Dr CHAN Yat Him, Dr CHU Ryan Julian Dick Hei, and
Dr SUM Fung Hou Kumoi Mineaki Howard*

Due to the extensive attachment loss in patients with Stage IV periodontitis, there is a higher risk of periodontal related tooth loss and pathological tooth migration. Management of these patients require re-establishment of functional dentition which often involves not only periodontal treatment, but also orthodontic treatment and prosthodontics rehabilitation.

The first part of this case presentation will illustrate from the periodontal point of view, how a detailed treatment plan was formulated within different disciplines, and demonstrate the importance of rigorous supportive care during and after active orthodontic and rehabilitation treatment.

The second part of this case presentation will explain from the orthodontic point of view: the challenges we faced in treating periodontally compromised patient, including controlling periodontal inflammation, applying appropriate force, designing an effective dental anchorage, and maintaining treatment results. Deteriorated periodontal support leads to alterations in the biological responses of teeth to mechanical forces, and thus orthodontists must take much greater care when treating patients with periodontal conditions.

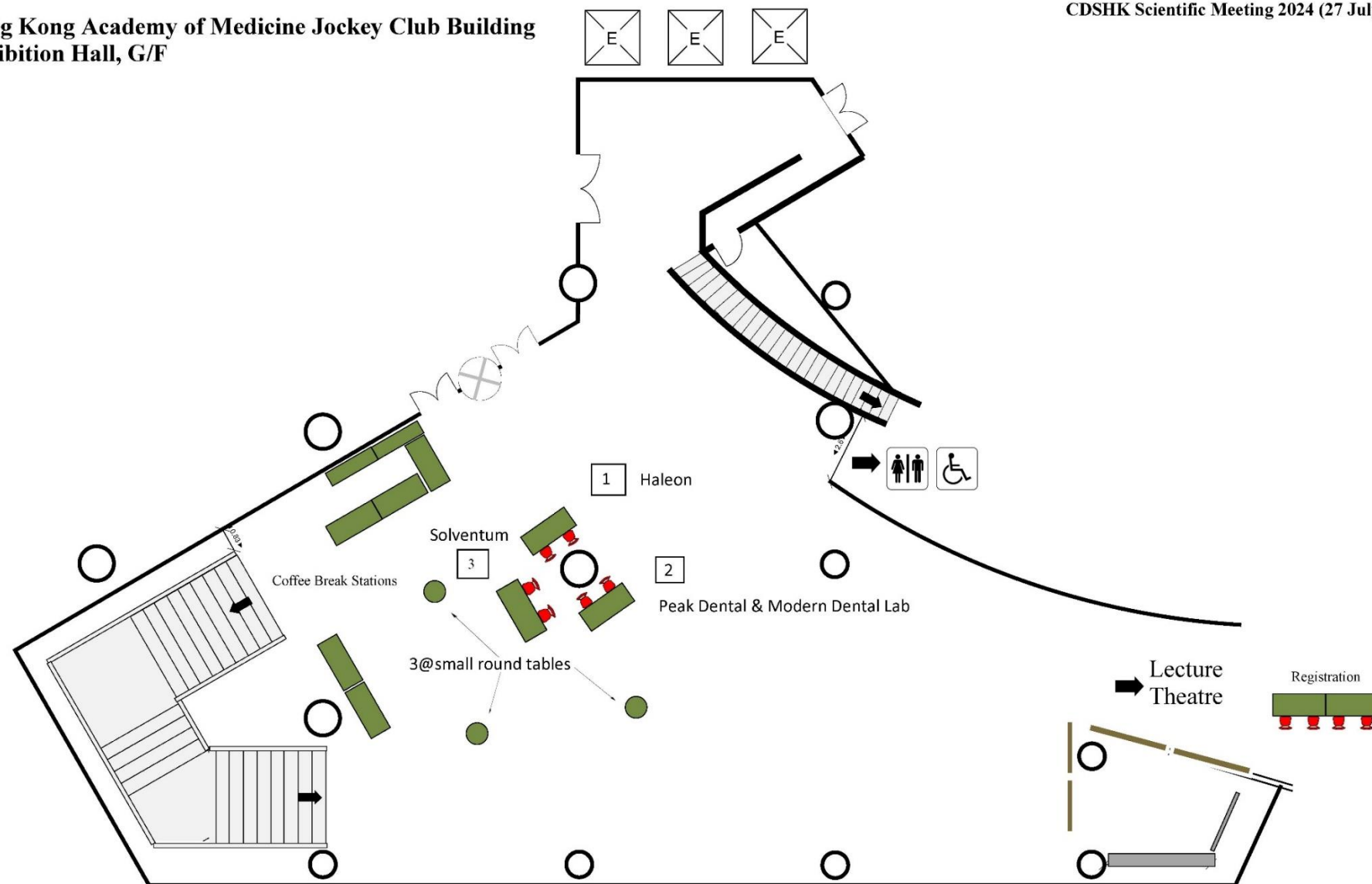
The final part of this case presentation will demonstrate the temporary and the long term prosthetic treatment we provided for this patient with Stage IV periodontitis.

This case highlights the importance of multidisciplinary collaboration in the treatment of patients with severe periodontitis and the potential for tailored biomechanical approaches in orthodontic treatment to furnish good outcomes.

Floor Plan (27 July 2024, Saturday)

Hong Kong Academy of Medicine Jockey Club Building
Exhibition Hall, G/F

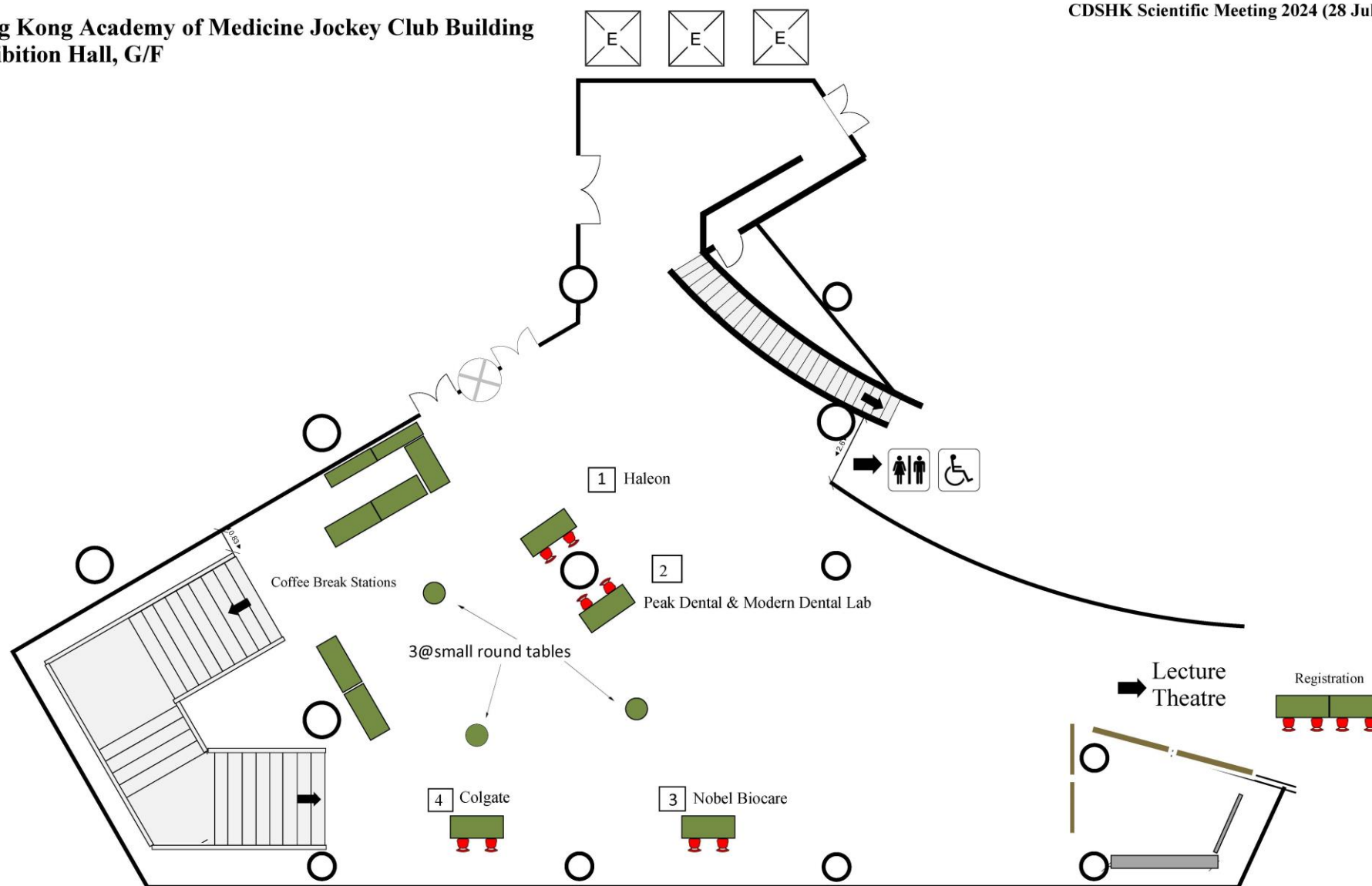
CDSHK Scientific Meeting 2024 (27 July 2024, Day 1)



Floor Plan (28 July 2024, Sunday)

Hong Kong Academy of Medicine Jockey Club Building
Exhibition Hall, G/F

CDSHK Scientific Meeting 2024 (28 July 2024, Day 2)



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