



HMDP Visiting Experts FY26

OFFICIAL PROGRAMMENote:

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EXPERT NAME

Aaron Yu-Jen Wu

START DATE

31 August 2026

END DATE

4 September 2026

SPECIALTY/TITLE OF PROGRAMME

Implant Dentistry / Oral Rehabilitation with the All-On-4 Implant Supported Fixed Prosthesis

HOSTING INSTITUTION

National Dental Centre Singapore

DATE AND DAY	TIME	ACTIVITIES	Training Objectives	NTP* (YES/NO)	VENUE AND CAPACITY	NAME AND EMAIL OF COORDINATOR
31 August 2026 (Monday)	0815 – 0845	Tour of National Dental Centre Singapore (NDCS)		No	NDCS	
	0845 – 0945	Meeting with NDCS CEO		No	NDCS L7 Boardroom	
	1000 – 1200	Lecture Topic: Digital All-on-4 Precision Reconstruction: Treatment Planning, Navigational Surgery, and Biomechanical Considerations <i>This lecture explores the transformative role of digital technology in elevating the precision, predictability, and outcomes of All-on-4 full-arch implant rehabilitation. As digital workflows become increasingly integrated into contemporary implant practice, clinicians are presented with powerful tools that bridge the gap between virtual planning and surgical execution. This session covers the end-to-end digital workflow — from advanced imaging and computer-aided treatment planning, through static and dynamic navigational surgery, to the biomechanical principles that govern the design and longevity of the definitive reconstruction.</i>	1. Understand the end-to-end digital workflow in All-on-4 treatment planning, from virtual implant planning to computer-guided surgical execution 2. Recognise key biomechanical factors influencing implant positioning and load distribution 3. Appreciate how an integrated digital workflow enhances precision, minimises complications, and improves treatment predictability in All-on-4 reconstruction	Yes	NDCS L8 Auditorium 120 pax	
	1200 – 1400	Lunch break				
	1400 – 1500	Live Demo Topic: The Conventional All-On-4 Surgical Protocol <i>This session presents the opportunity to observe the precise steps of placing implants for full-arch immediate loading, focusing on accurate anatomical landmark identification, safe posterior fixture tilting, and the optimization of primary stability.</i>	1. Observe and describe the step-by-step surgical sequence for a predictable surgical outcome. 2. Identify the key factors required for immediate loading	Yes	NDCS L8 Training Room + Auditorium 120 pax	
	1500 – 1530	Break				

	1530 – 1700	Live Demo Topic: The All-On-4 Restorative Protocol <i>This session focuses on the steps needed to deliver a fixed prosthesis immediately after surgery, bridging the gap between surgical placement and immediate function.</i>	1. Observe and describe the step-by-step restorative workflow for All-on-4 treatment, from impression-taking and bite registration to provisional and definitive prosthesis delivery 2. Identify the key clinical and technical checkpoints in the restorative protocol that determine fit, occlusion, and aesthetic outcome	Yes	NDCS L8 Training Room + Auditorium 120 pax	
1 September 2026 (Tuesday)	0900 – 1030	Lecture Topic: Biomechanical Principles of Full Mouth Reconstruction: From All-on-4 to Zygomatic Implant Treatment Design <i>This lecture examines the biomechanical foundations that underpin successful full-arch implant reconstruction, spanning the spectrum from conventional All-on-4 treatment to complex zygomatic implant-supported rehabilitation.</i>	1. Understand biomechanical principles in full-arch implant reconstruction 2. Compare load distribution between All-on-4 and zygomatic implant reconstructions 3. Apply biomechanical concepts to optimise treatment planning in complex cases	Yes	NDCS L8 Auditorium	
	1030 – 1100	Break				
	1100 – 1200	Meeting with NDCS Management (Perio, Prostho, OMS HOD/HOU)	Discussion of potential collaboration / research work	No	NDCS L7 Boardroom	
	1200 – 1400	Lunch and transport to Khoo Teck Puat Hospital (KTPH)				
	1400 – 1500	KTPH Dental Centre Tour and Engagement		No	KTPH Dental Clinic	
	1500 – 1530	Break			KTPH Tower B, L1, Kaizen 2	

	1530 – 1700	Lecture Topic: Clinical Pearls on All-on-4 Treatment <i>This lecture distils key practical insights from the clinical experience in All-on-4 implant treatment. Beyond the foundational principles of the technique, this session focuses on the nuances that make the difference between a good outcome and a great one.</i>	Master key considerations in 1. Principles and rationale underlying the All-on-4 treatment concept 2. Surgical and prosthetic planning to ensure success	Yes	KTPH Tower E, L1, Geri Seminar Room 100 pax	
2 September 2026 (Wednesday)	0900 – 1030	Lecture Topic: Biomechanical Analysis and Clinical Management of All-on-4 Prosthetic Complications <i>This lecture examines the biomechanical basis of prosthetic complications in All-on-4 treatment and provides a structured clinical approach to their management. Participants will gain both a theoretical understanding of the forces at play and practical strategies for addressing complications effectively and preventing their occurrence.</i>	1. Identify common biomechanical causes of prosthetic complications 2. Analyse risk factors related to implant and prosthesis design 3. Apply clinical strategies to manage and prevent prosthetic failures	Yes	NDCS L8 Auditorium 120 pax	
	1030 – 1100	Break				
	1100 – 1230	Presentation by Oral & Craniofacial Implant Programme Workgroup on All-on-4	Critique and open discussion of presented cases - Recognition of Strengths - Identification of Gaps - Proposed Improvements - Follow-up Actions	No	NDCS L8 Training Room	
	1230 – 1400	Lunch break				
	1400 – 1500	Live Demo Topic: Navigational Surgery <i>This session introduces participants to the cutting edge of digital implant dentistry by demonstrating how to use dynamic 3D navigation for real-time tracking during implant placement.</i>	1. Observe and describe the setup and calibration process for a dynamic navigational surgery system in the context of All-on-4 implant placement 2. Identify the key intraoperative checkpoints where navigational	Yes	NDCS L8 Training Room + Auditorium] 120 pax	

			guidance enhances the accuracy and safety of implant positioning			
	1500 – 1530	<i>Break</i>				
	1530 – 1730	Hands-on session / Workshop <i>(Limited to 20 participants)</i>	1. Familiarise with the surgical sequence and demonstrate correct implant site preparation technique 2. Execute accurate implant placement with appropriate positioning, angulation and torque, in a supervised simulation setting	No	NDCS L8 Training Room	
3 September 2026 (Thursday)	0900 – 1030	Lecture Topic: All-on-4 Biological Complications and Long-Term Maintenance: Soft and Hard Tissue Stability and Supportive Treatment <i>This lecture addresses the biological challenges encountered in All-on-4 treatment over the long term, with a focus on maintaining the health and stability of the peri-implant soft and hard tissues. While the All-on-4 concept has demonstrated strong long-term survival rates, biological complications — including peri-implant mucositis, peri-implantitis, and progressive marginal bone loss — remain a significant clinical concern that can compromise treatment outcomes.</i>	1. Recognise biological complications affecting soft and hard tissues 2. Understand factors influencing long-term tissue stability around implants 3. Apply supportive care and maintenance protocols to improve long-term outcomes	Yes	NDCS L8 Auditorium 120 pax	
	1030 – 1100	<i>Break</i>				
	1100 – 1200	Resident's Sharing Session <i>(Prosth, OMS, Perio)</i>	Inspirations and future opportunities for the next generation of implant clinicians	Yes	NDCS L8 Training Room	
	1200 – 1400	<i>Lunch and transport to National University Centre for Oral Health, Singapore (NUCOHS)</i>				

	1400 – 1500	NUCOHS and NUSDen Tour and Engagement		No	NUCOHS and NUSDen	
	1500 – 1530	<i>Break</i>				
	1530 – 1700	Lecture Topic: Avoiding and Managing Pitfalls <i>This lecture dives into the common complications encountered in All-on-4 implant treatment, from the surgical phase through to long-term prosthetic maintenance, and equips participants with practical strategies to avoid common pitfalls and manage adverse outcomes effectively when they arise.</i>	1. Identify patient-related and technique-related risk factors specific to All-on-4 treatment 2. Recognise and manage common intraoperative and postoperative complications 3. Outline the approach to manage early and late prosthetic complications	Yes	NUCOHS L9 Auditorium 100 pax	
	1700 – 1730	<i>Break</i>				
	1730 – 1900	Evening Lecture (Hybrid In-person + Virtual) Topic: Getting It Right from the Start – Case Selection in All-on-4 Treatment	1. Identify key indications and contraindications for All-on-4 treatment 2. Recognise critical factors in case selection and decision-making to treat or refer	Yes	NUCOHS L9 Auditorium 100 pax + Virtual Seminar Weblink	
4 September 2026 (Friday)	0900 – 1030	Lecture Topic: Bringing It All Together - Key Takeaways <i>This closing lecture synthesises the core themes and lessons from the lecture series, encouraging participants to reflect on their learning and consider how these insights can be meaningfully translated into everyday clinical practice.</i>	Integrating core concepts 1. to achieve a unified approach to All-on-4 treatment 2. to highlight the importance of further development and continued learning in full-arch implant rehabilitation	Yes	NDCS L8 Auditorium 120 pax	
	1030 – 1100	<i>Break</i>				

	1100 – 1200	Closed Door Research Discussion (Host: Director of Research)	Discussion of potential collaboration / research work	No	NDCS L7 Boardroom	
	1200 – 1330	<i>Lunch break</i>				
	1330 – 1730	Report Consolidation		No	NDCS L8 Training Room	

*NTP – National Training Programme