Maxillary Skeletal Expander (MSE) Seminar

The Latest Updates in Clinical Applications Based on Research Findings and Digital MSE

Date: 29th May 2025 (Thursday)
Time: 8:30am to 6:00pm
Venue: Seminar Room 10-6, NUS Dentistry, NUCOHS

9 CPE Points!

The event is in collaboration with Implantate.

Objectives

- Correct use of MSE: proper appliance fabrication and positioning, utilizing radiographic information and digital workflow
- Utilization of New Digital Software
- New activation protocol based on mechanical and biological considerations
- Proper appliance design modifications for difficult cases
- New MSE for narrow palate
- New MSE for patients requiring multiple MSEs
- Managing extremely difficult cases
- Asymmetric patients and asymmetric expansion
- Cortical puncture and MSE for challenging cases
- Minor surgical procedures for extremely difficult cases in order to avoid more invasive SARPE procedures
- MSE and airway changes
- MSE and maxillary protraction in both young and mature patients
- Troubleshooting

Register Now!

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

IMPLANTATE DENTAL SUPPLIES

Speaker

Professor Won Moon

- **Professor, Department of Orthodontics, Ajou University School of Medicine**
- **Adjunct Professorship at the Forsyth Institute and Kyung Hee University**
- **Former Thomas R. Bales Endowed Chair in Orthodontics, UCLA (2013-2020)**
- **Founder/CEO, the Moon Principles International Research Institute**
- **Co-Founder, BioTech Innovations**
- **Diplomate of the American Board of Orthodontics, since 2002**

Prof Won Moon is the Founder/CEO of the Moon Principles Institute ("the MoonLab") and a Co-founder/Chief Innovations Officer of BioTech Innovations. He served as the Thomas R. Bales Endowed Chair in Orthodontics for the orthodontic residency program at UCLA School of Dentistry (2013-2020), and he currently holds three academic positions: Full-Professorship at Ajou University School of Medicine, and Adjunct Professorship at the Forsyth Institute and Kyung Hee University. He has been a Diplomate of the American Board of Orthodontics since 2002.

He completed his dental education at Harvard and orthodontic education at UCLA. He studied mathematics prior to dentistry. His work has been published in various journals, and he is a co-author of seven textbooks, including the Graber's 7th Edition. He has presented these findings in over 60 countries, totaling over 650 presentations. He received multiple research grants during his tenure at UCLA, including the Groundbreaking Research Project Grant Award in 2014. Besides the numerous research and presentation awards over the years, he has received the "Faculty of the Year Award" multiple times, and he was the recipient of the "Lifetime Achievement and Faculty Dedication/Excellence Award" in 2019 and the "Best Mentor Award" in 2022. His current focus has been establishing protocols for orthopedic corrections with MI, improving the airway for patients with nasal obstruction, creating virtual patients utilizing image analysis and FEM, and developing a novel Aligner System.

His interest in mid-facial expansion began in 2004 as micro-implant became available in the USA, and he is responsible for developing Maxillary Skeletal Expander (MSE), a unique micro-implant assisted rapid palatal expander (MARPE). He has been active in advocating non-surgical skeletal expansion in both children and adult patients, especially for those who may suffer from airway restrictions. His presentation in MSE has been widely accepted internationally, and numerous peer-reviewed publications are available.

For enquiries: please contact Ms Lina Yip at lina.yip@nus.edu.sg

Registration Fee

(Inclusive of 9% GST)

Early Bird: (Early bird to end by 30 April 2025.)	S$425.10 for Seminar	S$741.20 for Seminar & Workshop
Standard:	S$534.10 for Seminar	S$850.20 for Seminar & Workshop

Programme Schedule	
8:00 – 8:30	Registration
8:30 – 10:30	Session 1 Introduction The Evolution of MSE Proper MSE Fabrication MSE Delivery Expansion Protocol
10:30 – 10:45	Tea Break
10:45 – 12:45	Session 2 MSE Options: What to Buy How Much Should We Expand? Multiple MSE Stability Troubleshooting
12:45 – 14:00	Lunch Break
14:00 – 16:00	Session 3 Airway Issues Innovative Future Application of MSE Adult Class III Corrections with MSE Q&A
16:00 – 16:15	Break for Workshop Setup
16:15 – 18:00	Digital Workshop