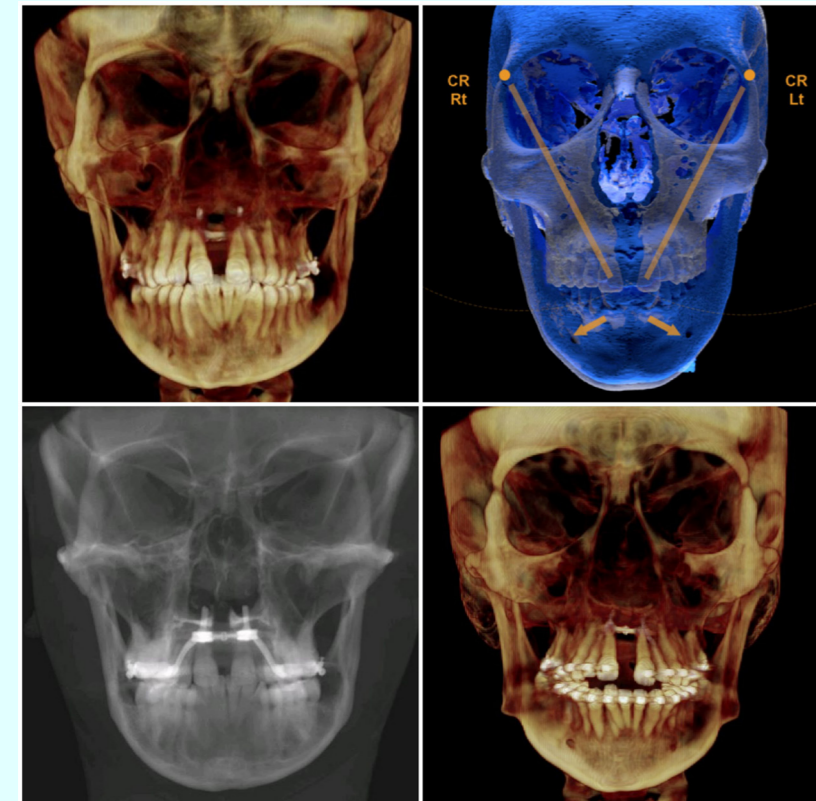
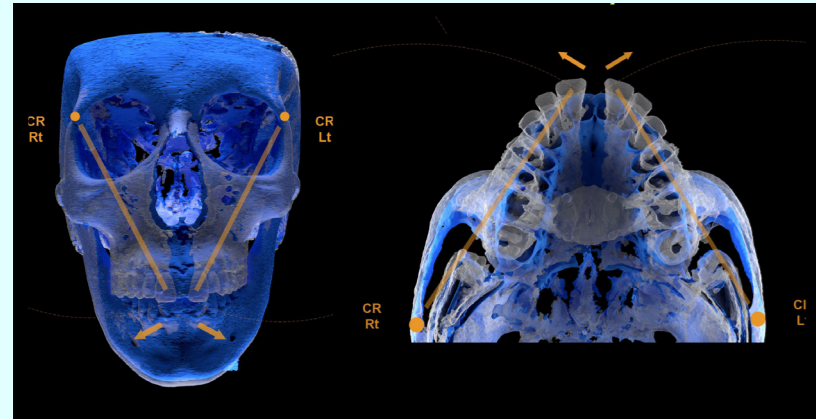


MSE: Midfacial Skeletal Expander



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I would like to enroll in the lecture :

A) MSE Seminar

22 Aug 2023 (Tue) - 9:00am - 4:30pm

HKD 3,000 (on or before 10 Aug 2023)

HKD 4,000 (on or after 11 Aug 2023)

B) MSE Hands-on Exercise

22 Aug 2023 (Tue) - 4:30pm - 6:30pm

HKD 4,000 (on or before 10 Aug 2023)

HKD 5,000 (on or after 11 Aug 2023)

Course fee includes: coffee breaks, lunch and certificate



Scan me for the Online Application

Should you have any enquiries, please feel free to contact - Ms. Lucy Law 9012 9598

email: forevergreencourse@gmail.com

Please complete the enrolment form together with a crossed cheque payable to

Forever Green Dental Products Ltd.

post to : Unit 1308, Wing On Kowloon Centre, 345 Nathan Road, Jordan, Kln, Hong Kong

Disclaimer: The organizer reserves the right to cancel, postpone or change the venue, date and time of the event due to unforeseen circumstances. In the event of cancellation, only course fees will be refunded.



Hong Kong Stomatological Association

Presents

Midfacial Skeletal Expander (MSE)



Date & Time: 22 Aug 2023 (Tuesday)

(A) MSE Seminar

9:00am - 4:30pm

(B) MSE Hands-on Exercise

4:30pm - 6:30pm

Venue:

Forever Green Dental Products Limited

Unit 1308, Wing On Kowloon Centre, 345 Nathan Road, Jordan, Kln, Hong Kong

Language : English

DCHK CPD Points & HKDA CME/CPD Hours:

6 CPD Points (Seminar)

3 CPD Points (Hands-on Exercise)

CDSHK CME/ CPD Points: Pending

About the Speaker



Professor Won Moon

Department of Orthodontics,
Ajou University School of Medicine

Dr. 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, not necessarily limited to orthodontics because of his physical science background, and he is a co-author of seven textbooks, including the Graber's 7th Edition. He has presented these findings in over 42 countries, totaling over 550 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.

APPOINTMENTS

Professor, Department of Orthodontics, Ajou University School of Medicine

Adjunct Professor, The Forsyth Institute

Adjunct Professor, Kyung Hee University

Former Thomas R. Bales Endowed Chair in Orthodontics, UCLA (2013-2020)

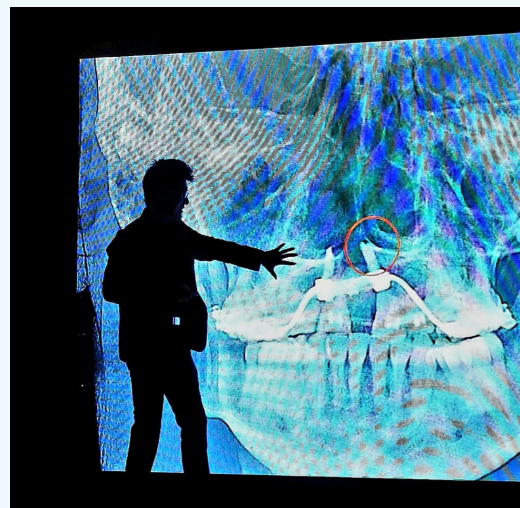
Founder, the Moon Principles International Research Institute

Co-Founder, BioTech Innovations

Diplomate of the American Board of Orthodontics, since 2002

The Moon Principles by Won

The latest developments with Midfacial Skeletal Expander (MSE): what we have learned after two decades of traveling uncharted territory.



The non-surgical Maxillary Skeletal Expander (MSE) has evolved since early 2000, and its application has been growing globally. With the proliferation of MSE-related publications by multiple authors, there is clear evidence to support its impact.

The overview of the MSE utilization will be discussed. The dental and skeletal effects of maxillary expansion using the conventional rapid palatal expander (RPE), the surgically-assisted rapid palatal expander (SARPE), and the micro-implant assisted midfacial skeletal expander (MSE) will be illustrated.

Dental expansion, bone bending, and true skeletal expansion will be compared. The adverse clinical consequences of RPE and SARPE in high-angle cases will be explored, and a new approach eliminating these problems by the use of MSE will be presented, based on research data. Clinical cases involving non-surgical midfacial expansion in both adolescent and adult patients will be examined in detail.

However, the success of MSE was not always predictable, especially for mature male patients. Over the last two decades, enormous efforts have taken place in attempts to further understand determining factors. Through clinical studies, computer simulations, and innovative treatment modifications, many of those challenging cases now can be safely treated without significant complications. During the two decades of journeying through the uncharted territory of non-surgical midfacial expansion in mature patients, not only have traditional paradigms been defied, but many initial MSE concepts have also required adjustment. Often, failures would result from misusing the appliance. In this presentation, various ways to accommodate patients with extremely thick or thin palatal bones, narrow palatal vault, massive zygoma, palatal torus, skeletal asymmetry, etc. will be discussed. Application of digital workflow in MSE fabrication and MSE modification could also enhance the success of MSE treatment in difficult cases.

Furthermore, for extremely difficult cases, various minor surgical procedures that could aid MSE will be discussed. By applying these innovative protocols, the traditional SARPE can be largely eliminated. Although the outcomes of MSE treatment may not always be predictable at this point in time, significant progress has been made by forward-thinking investigators, and the MSE technique will continue to evolve.

Clinical cases involving non-surgical midfacial expansion in both adolescent and adult patients will be examined in detail. Through these clinical examples, a proper MSE fabrication and updated expansion protocols will be illustrated. Secondly, other advantages of utilizing MSE will be demonstrated. Clinical cases and research findings illustrating the profound enlargement of nasal airways and functional improvements after MSE in both adolescent and adult patients will be closely evaluated. Furthermore, the airflow improvements will be illustrated by the dynamic airflow measurements directly from the patients and also by the computational fluid dynamics model simulations. The airway obstruction and the Obstructive Sleep Apnea Syndrome (OSAS) are related but the true impact of MSE for OSAS has not been clearly defined. The latest findings regarding the impact of MSE on OSAS will be presented.

MSE can also aid in orthopedic correction of Class III cases when combined with a protraction device. The traditional orthopedic correction of Class III patients with RPE and facemask (FM) can often create unwanted dental movements: proclination of the incisors and buccal flare of the molars. By combining MSE with FM, a pure skeletal expansion and protraction is possible, eliminating and reversing these adverse dental side effects. The magnitude and the speed of correction are decisively greater and faster than with traditional treatment results. The high angle Class III problem can be managed with this approach using subsequent vertical correction. Clinical cases combining MSE and facemask (FM) in both growing and mature patients will be discussed, and orthopedic effects will be illustrated. The use of growth modification for young patients and distraction-like protraction techniques for mature patients, in conjunction with this new device, open the door to many new possibilities.

Schedule

08:45-09:00 Registration

09:00-11:00 Session 1
Introduction
The Evolution of MSE
Proper MSE Fabrication
MSE Delivery
Expansion Protocol

11:00-11:10 Break Time

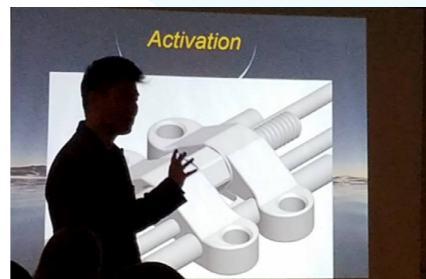
11:10-13:00 Session 2
MSE Options: What to Buy How Much Should We Expand?
Multiple MSE Stability
Troubleshooting

13:00-14:30 Lunch Break

14:30-16:30 Session 3
Airway Issues
Innovative Future Application of MSE
Adult Class III Corrections with MSE

16:30-16:45 Break for Hands-on Exercise Setup

16:45-18:30 Hands-on Exercise

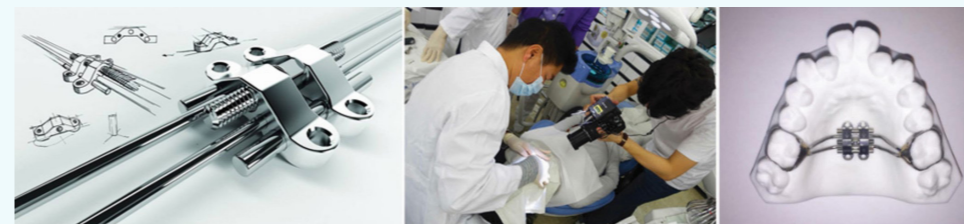


Midfacial Skeletal Expander(MSE) Seminar

22 Aug 2023 (Tue) 9:00am - 4:30pm

Learning Objectives

- Overall concept of MSE, Dx and Tx planning, and patient selection
- Craniofacial vs dentoalveolar changes with MSE
- Correct use of MSE: proper appliance fabrication and positioning, utilizing radiographic information and digital workflow
- New activation protocol based on mechanical and biological considerations
- Difficulty level assessment, and subsequent procedure or appliance design modifications for better outcomes
- Updated solution for patients with narrow palates
- Updated patients requiring multiple MSEs
- Asymmetric patients and asymmetric expansion
- Cortopuncture 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



Midfacial Skeletal Expander(MSE) Hands-on Exercise

22 Aug 2023 (Tue) 4:30pm - 6:30pm



This workshop is for those who took the basic MSE course and want to have hands-on experience.

The following will be covered during this workshop:

Part I. (Lab Work): MSE fabrication (new MSE, typodont, and pliers)

1. Overview of MSE fabrication
2. PowerPoint Presentation of Materials and Methods for the workshop
3. Proper placement of MSE on the typodont made with synthetic bone
4. Contouring the supportig arms

Part II. (Clinical): MSE insertion, activation and removal (requires: prefabricated MSE, typodont, and MSE tools from MSE kit)

1. Clinical tips through case studies
2. PowerPoint Presentation of Materials and Methods for the workshop
3. Placing prefabricated MSE onto the typodont
4. Inserting Micro-Implants into the synthetic bone using both the mini-hand-driver and Ratchet Wrench
5. MSE Activation
6. Removing Micro-Implants with the min-hand-driver

Each participant MUST bring the following orthodontic pliers : (Weingart, Mathieu, Ligature Wire Cutter, Ligature Wire Director and Bird Beak Plier)

***The participants can keep the typodont and the MSE (worth HK\$3500) after the Hands-on Exercise.**