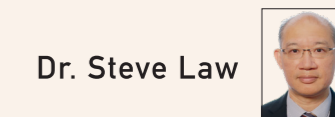




Professor Kyung gave us a lecture in Hong Kong on 9 Feb 2003

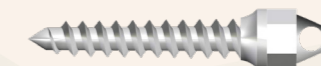
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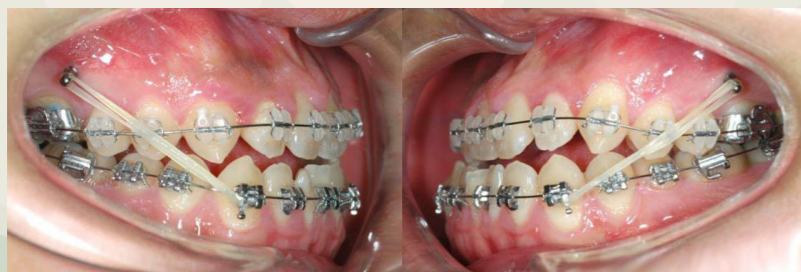


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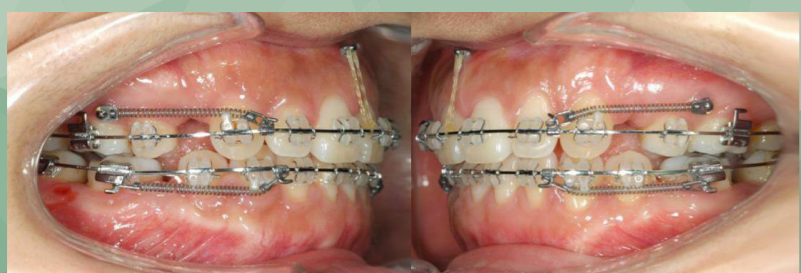
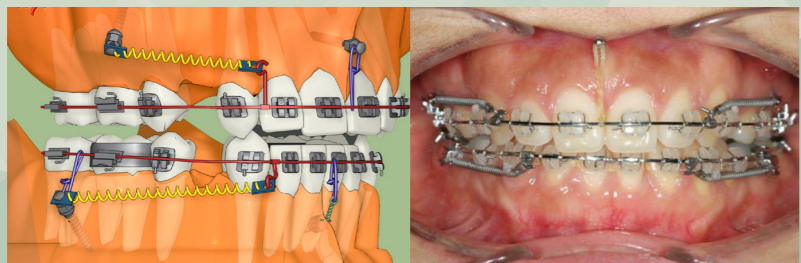
# Micro - Implant Anchorage (MIA) in Orthodontic Treatment



Case1



Case2



The above cases are treated by Professor Kyung

## Enrolment Form

Name : \_\_\_\_\_

中文姓名 : \_\_\_\_\_

Address : \_\_\_\_\_

Phone No. : \_\_\_\_\_ Fax No. : \_\_\_\_\_

Mobile No. : \_\_\_\_\_

Email : \_\_\_\_\_

Cheque No. : \_\_\_\_\_ Bank : \_\_\_\_\_

**I would like to enroll in the lecture :**

- A) **Lecture** - 5 August 2018 (Sun) 9:00am - 6:00pm
    - HKD 1,000 (Before 31 July 2018)
    - HKD 1,500 (on or after 31 July 2018)
  - B) **Hands on course** - 6 August 2018 (Mon) 9:00am - 6:00pm
    - HKD 2,000 (Before 31 July 2018)
    - HKD 3,000 (on or after 31 July 2018)
- Course fee includes: coffee breaks and lunch

Should you have any enquiries, please feel free to contact - *Ms. Phyllis Wong 2388 2798*

email : [forevergreendental@gmail.com](mailto:forevergreendental@gmail.com)

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

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post to : *Unit 1202, Lippo Sun Plaza, 28 Canton Road, Tsim Sha Tsui, Kowloon, 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 the fees will be refunded.

Date & Time: **Lecture**  
 A) 5 Aug 2018 (Sun) 9:00a.m - 6:00p.m  
**Hands on Course**  
 B) 6 Aug 2018 (Mon) 9:00a.m - 6:00p.m

Venue: Forever Green Dental Products Limited  
 Unit 1202, Lippo Sun Plaza, 28 Canton Road, Tsim Sha Tsui, Kln

Language : English

CME Points : NONE

## About the Speaker

### Professor Hee - Moon KYUNG

Department of Orthodontics, School of Dentistry,  
Kyungpook National University(KNU)



#### APPOINTMENTS

- 1974.03 -1980.02: College of Dentistry,  
Kyungpook National University,  
Daegu, Korea
- 1980.03 - 1983.02: Orthodontic training, Infirmary Hospital of Dental College,  
Kyungpook Natl. University
- 1986.05 - present: Fulltime Instructor--> Prof.,Dental School, Kyungpook Natl. Univ.
- 1991.04 - 1992.03: Visiting Professor, Department of Orthodontics,  
Faculty of Dentistry, Osaka University, Japan
- 1996.01 -1997.12: Visiting & Clinical Associate Professor, Department of Orthodontics,  
Faculty of Dentistry, The University of British Columbia, Canada
- 2001.1 - 2003.1: Dean, College of Dentistry, Kyungpook National University
- 2003.10 - present: Founding member of World Society of Lingual Orthodontics
- 2007.11 - 2010.04: President, Korean Association of Lingual Orthodontists
- 2010.04 - present: Active member of Angle Society (East Branch)
- 2015.07 - 2017.06: President of World Society of Lingual Orthodontics
- 2016.04 - 2018-03: President of Korean Association of Orthodontists

Dr. Hee-Moon Kyung is Professor of the Department of Orthodontics at Kyungpook National University in Daegu, Korea.

Dr. Kyung is one of the most experienced clinicians in the development and utilization of microimplants in orthodontic treatment worldwide. He has given more than 300 courses throughout world about microimplant anchorage and lingual orthodontic treatment.

He is a principle author of the book entitled Microimplants in Orthodontics, a volume that describes in detail the protocols used by Dr. Kyung and his colleagues. He is an active member of Angle Society. He was a president of World Society of Lingual Orthodontics & a president of Korean Association of Orthodontists.

## Synopsis

Control of anchorage is one of the most important aspects of orthodontic treatment. There are times when absolute anchorage or maximum anchorage condition is needed which have a high "resistance to displacement". However, considering Newton's Third Law that an applied force can be divided into an action component and an equal and opposite reaction component, it is almost impossible to achieve absolute anchorage condition where reaction force is producing no movement at all especially with intraoral anchorage. Thus extraoral anchorage is traditionally used to reinforce anchorage. However, the use of extraoral anchorage demand full cooperation of patient as well as 24 hours of continues wears which cannot be done. Therefore, it is extremely difficult to do orthodontic treatment without compromising anchorage.

To obtain absolute anchorage, prosthetic implant have been used as intraoral anchorage. However, previous implant could not produce efficient orthodontic treatment with its bulky size and high cost. Thus smaller diameter microscrew is started to apply rather than bulky previous one. Originally, microscrew is used to fix mini plate into bone in surgical field. However, it is difficult to put orthodontic element onto screw head of surgical microscrew. This lead to place ligature wire on cervical portion of screw by forming connectional loop. Often there is periodontal involvement caused by location of ligature wire, which is under screw and toward gingiva. This location allowed gingival embedment of ligature wire producing steady irritation on gingiva and also caused difficulty to patient to keep good oral hygiene around screw. Also, embedment of orthodontic element in gingiva is frequently due to its location toward gingiva causing difficulty to place orthodontic elements on screw.

To compensate these drawbacks, we developed orthodontic Microimplant (Absoanchor ○ R), which is exclusively used for orthodontic treatment and modified its upper structure as lingual button shape. Also, by giving inclination on cervical area of button allows natural separation of elastomer from gingiva when elastomer like Ni-Ti coil spring is applied. A hole is made in upper structure for smooth application of elastomer such as elastomeric thread, or ligature wire.

At present, the smallest 1.2-1.3 mm diameter microimplants are widely used and are possible to place in-between roots. A lot of cases have been reported about successful achievement obtaining absolute anchorage by placing this microimplant in between roots.

Here, I would like to introduce types and placement of microimplant which we had developed for orthodontic purpose and to present some interesting cases.

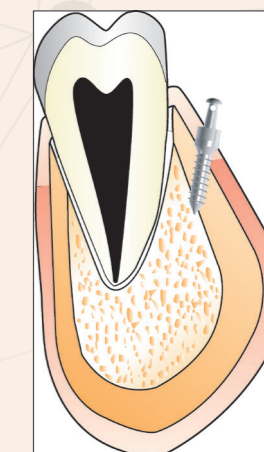
## Lecture - 5 August 2018 (Sunday) 9:00 AM - 18:00 PM

1. Introduction
2. Review of literatures and developmental background
3. Biomechanics in microimplant anchorage
4. Case Presentations

- i. Bodily retraction of maxillary anterior teeth
- ii. Scissors bite correction
- iii. Retraction of whole dentition
- iv. Class II molar correction
- v. Control of Vertical relationships (Deep bite & Open bite)
- vi. Midline correction
- vii. Asymmetric extraction
- viii. Anchorage for intermaxillary elastics
- ix. Molar uprighting & root movement
- x. Molar intrusion
- xi. Correction of occlusal canting
- xii. MIA for orthognathic surgery case
- xiii. MIA in lingual orthodontic treatment

#### 5. Clinical considerations

- i. Surgical Procedures
- ii. How to prevent root injury?
- iii. What will happen after root injury?
- iv. Success & failure of microimplants



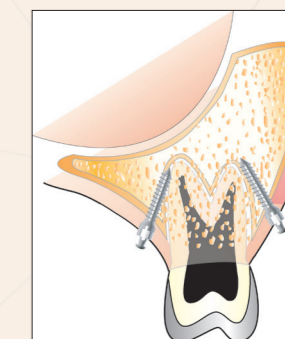
## Hands on course - 6 August 2018 (Monday) 9:00 AM - 18:00 PM

### Micro-Implant Anchorage (MIA)

1. Kinds of Absoanchor orthodontic Micro-Implant(MI)
2. Terms used in MI surgical procedures
3. General rule in choosing proper size of MI according sites
4. General rule in choosing proper size of drill & handpiece
6. Avoiding root damage & MI fracture
7. Postoperative patient management
9. Removal of MI

### Installation Exercise

1. Instrumentation for installation
2. Installation exercises on special resin model
3. Drill free and pre-drilling exercise on animal bones
4. Fracture exercise of different MIs
5. Driving exercises using different type of MI drivers
6. Force application exercise to MIs



\* The participants can keep the tyodont (no brace attached) after the course.