COURSE NO. 4
THE EDGEWISE MECHANO-THERAPY
TREATMENT OF CLASS II DIVISION 2 CASE (NONEXTRACTION THERAPY) & EARLY ORTHOPEDIC TREATMENT FOR CLASS II CASES

PLACE: 28/111 Top of Soi Jaeng Wattana - Parkkred 34, Jaeng Wattana Road, Parkkred, Nonthaburi 11120

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<td>General Discussion of technical problems</td>
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<td>Rapid palatal expander (Biedermann-Hyrax)</td>
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Lingual arch without and with spikes in open-bite case
Lip Bumpers and buccal attachment with LB tubes
Extraoral Forces: The Headgear & Face Mask
Functional Jaw Orthopedic Appliance
Frankfurt Orthopedic Maxillary Appliance (FOMA)

12.30 Lunch

14.00 Introduction to Straight Wire Appliances (Repeat)
Inside the Alexander’s Brackets
Modification for Thai patients
Brackets for Class II division 2

THE TREATMENT PHASES
1. The leveling phase:
   How should the case look like at the end of the leveling phase?
   Leveling of the extraction vs. non-extraction cases
   Leveling using round wire

2. The Movement phase
   How should the case look like at the end of the movement phase?
   Distalization of the maxillary canines are completed.
   Side effect of the Distalization (See Biomechanics Manual)
      The Row Boat Effect.
      Demo. Insertion of the headgear

18.00 Class finish

LAB WORK: CAN BE DONE AS HOME WORK AND INSPECTED AT THE MEETING
Fabrication of the 3-3 retainer (Direct & Indirect technique) 0.7 mm round SS, hard wire
Day 3 - Friday

9.45  3. The Contraction phase

How should the case look like at the end of the contraction phase?

The contraction arch wires 0.016" x 0.022" SS (CAW 1) or 0.017" x 0.022" SS(CAW 2)

Retraction Technique of the anterior teeth:

- Maxillary arch vs. Mandibular Arch (See Biomechanics Manual)
- Side effects of the Closing Loop Mechanics. The Bowing Effect and Wire Stiffness
- 0.017" x 0.025" Supercontraction arch wire

12.30  Lunch

14.00  4. The adjustment phase

How should the case look like at the end of the adjustment phase?

- Finishing arch wires with/without tie-back loops
- Sweep and the curve of Spee
- The action of Sweep and Torque
- 0.016" x 0.022" or 0.017" x 0.022" SS and tie-back loops
- Segmentalizing of the arch wire

5. The retention phase

How should the case look like at the end of the retention phase?

15.30  Class finish
WHAT TO BRING ALONG?

Course participant need to have orthodontic pliers, instruments and material as listed below:

As in course No. 1 - 2

1 Typodont (Articulator) with acrylic white teeth
1 set of 018 slot Mini WICK Brackets
Washbon ORMCO bands with Alexander 1st & 2nd molar attachments,
1 Headgear low pull

TYPODONT SET UP:
Rt. side : in a Class II Molar relationship
Lt. side : in a Class II end-on Molar relationship
Class II div. 2 malocclusion with slightly anterior crowding of max. dentition with retrusion of the central incisors and protrusion of the lateral incisors. Deep-bite

FOR WIRE BENDING EXERCISE
Clinical Pliers Wire Bending Exercise Book
Laboratory pliers
1x Krampong pl. Dentaurum 013-522
1x Heavy wire cutter Dentaurum 044-177
1x Young's pl. Dentaurum 012-074

WIREs:
0.016" SS round wire 0.016" x 0.016" SS
0.016" x 0.022" SS 0.017" x 0.022" SS

LAB WORK: CAN BE DONE AS HOME WORK AND INSPECTED AT THE MEETING

Homework EXERCISE from Course No. 2 : 3-3 RETAINER
Prepare 1 Mand. Model with good anterior teeth alignment
0.7 mm round Dentaurum SS hard wire (provided by the club)
1x #325 pl. SS WHITE or AEZ (or 7765)