

COURSE NO. 7

THE EDGEWISE BIOMECHANICS (PART III) TREATMENT OF CLASS III NONSURGERY CASE - EXTRACTION OF THE TEETH 15, 25, 34 & 44. EARLY ORTHOPEDIC TREATMENT FOR CLASS III CASES

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

COURSE CONTENTS:

Day 1 - Wednesday

- 10.00 Continue of the old Typodont Set-up. The Finishing Phase
General Discussion of any problems
Case conference. Diagnosis & Treatment planning
- 12.30 Lunch
- 14.00 TREATMENT PLANNING OF CLASS III NONSURGERY
- Control of the Transverse Dimension
 - Rapid Maxillary Expander
 - Biedermann-Hyrax and Bonding type
 - Face mask. When & How to use. Over-correction in the maxilla.
- TREATMENTS PLANNING FOR CLASS III
- A. Early treatment and 2 phase treatment
 - B. Treatment for Teenager and precaution.
 - C. Treatment for Adult and precaution.
 - D. Extraction vs. Nonextraction. Open-bite vs. Deep-bite cases

TYPODONT SET UP:

In Class III malocclusion or Class III tendency. Protrusion of the maxillary anterior teeth. Moderate crowding with palatally erupted. #12 or #22 or both.

One max. canine highly erupted. Retrusion of the mand. anterior teeth

Overbite = 3-4 mm Overjet = -3 mm and anterior x-bite

In the class the teeth 15,25,34 and 44 will be extracted

18.00 Class finish

Day 2 - Thursday

10.00 Control of the Vertical Dimension

Extraction pattern and timing

Characteristics of the Class III extraction case

Failures in Class III extraction therapy

Open space for palatally erupted #12 or #22

The Adjustment phase. How should the case look at the end of this phase?

The retention phase and Retainers

12.30 Lunch

14.00 **WIRE BENDING EXERCISE :**

Maxillary 0.016 SS leveling arch wire with stop-loop between 11 and 21 and coil spring for space opening for 12 and 22.

Mand. 0.016 SS leveling arch wire with tie-back loops mesial to 16, 26 or

Mand. 0.016 x 0.022 D-RECT arch wire

Maxillary 0.016 x 0.016 SS intermediate arch wire with std. closing loops distal to 14, 24 or in clinical situation 0.016 x 0.022 TMA arch wire is recommended.

Mand 0.016 x 0.016 SS intermediate arch wire with std. closing loops distal to 43 and 33

Maxillary 0.016 x 0.022 CAW with std. closing loops distal to 14, 24

Maxillary 0.016 x 0.022 FAW with std. closing loops distal to 16, 26

to engage max. 2nd molars or

Maxillary 0.016 x 0.022 FAW with 2 Teardrop loops distal to 12, 22 and T.B. loops

distal to 16, 26 to engage max. 2nd molars

18.00 Class finish

Day 3 - Friday

10.00 Revision of the previously taught principles of the edgewise technique

Control of the Sagittal Dimension

Biomechanics for correction of Anterior X-Bite

The roll of interincisal angle

The inclination of the max. anterior teeth and TMD

Over-retraction of the mand. anterior teeth

Mandibular posterior bite plate/ Bonded type

WIRE BENDING EXERCISE :

Mandibular 0.017 x 0.022 contraction arch wire with bull loops distal to 43, 33 with intrusion step for anterior segment, # 37 and #47 are engaged, the sweep and progressive torque in the posterior segments

12.30 Lunch

14.00 Conclusions:

Biomechanics during 5 treatment phases of

A. Class III Open-bite cases

B. Class III Deep-bite cases

C. Class III Asymmetry cases

Retraction technique (see details in Biomechanic Manual)

15.00 Class finish

WHAT TO BRING ALONG?

Pliers & Wires (size see above)

Wire Bending Exercise Book & other Manuals

1 Articulator (Typodont) with acrylic white teeth

1 set of 018 slot Mini WICK Brackets (ORMCO)

Banded with Alexander 1st & 2nd molar bands (washbon),

Open coil spring

1 Super glue

1 Set cementation kit

1 "Stabilo" Waterproof Marker, Medium Black