

COURSE NO. 09

EXTRACTION OF THE 1ST MOLARS

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

COURSE CONTENTS:

Day 1 - Wednesday

- 10.00 General Discussion of any problems. Case Conferences
- 12.30 Lunch
- 14.00 Differential diagnosis & Treatment planning
Indications & contraindications.
Prerequisite of the case. The presence of all bicuspid and the 3rd Molars.
Preparation of the typodont and other Discussions
- 18.00 Class finish

Day 2 - Thursday

- 09.45 Skeletal pattern and decision making for extraction of the 1st molars
The roll of facial types & malocclusion to the treatment
Application of basic analysis procedure for planning the mechano-therapy.
Biomechanics for molar extraction case and Force system
Treatment planning & conduction of the treatment
Extraction pattern and timing –
The principle tooth extraction
 A. Maintain the symmetry and
 B. Balancing extraction
Case demonstration
- 12.30 Lunch
- 14.00 Decision-making for Space closing, opening or maintaining
Bite opening : Headgear, Bite plate & Extrusion mechanics
Bite closing mechanics with Anterior rotation of the mandible
Up-righting of the mesially tipped molars and attachment selection
- The unwanted effects of molar extraction.
 Bite opening. The Vertical Control
The relationship of the extraction of the 1st molar & TMD
Clinical examination, palpation of the TMJ areas
Possible combination of extraction of the max. 1st bicuspid

Arch wire sequence
 Wire bending exercise
 016 SS leveling arch wire
 016 x 016 SS or 016 x 022 TMA Intermediate arch wire with intrusion/extrusion steps
 Torque control in the mand. anterior segment & bracket selection
 016 x 022 or 017 x 022 SS Contraction arch wire

18.00 Class finish

Day 3 - Friday

09.45 Biomechanics for molar extraction case (cont.)
 Anchorage principle. The use of anterior palatal anchorage
 Monitoring of the host response
 Case demonstration
 Wire Bending Exercise (cont.)
 0.016" x 0.022" or 0.017" x 0.022" SS Finishing arch wires (FAW) with tie-back loops

12.30 Lunch

14.00 Fine tuning of the occlusion
 Selective grinding, Recontouring & Stripping
 Conclusions:
 Esthetics
 Functional occlusion
 Treatment time
 Post-treatment Stability

15.00 Class finish

WHAT TO BRING ALONG?

- Pliers & Wires
- Wire Bending Exercise Book
 - 1 Typodont with acrylic white teeth.
 - 1 set of 018 slot Mini WICK Brackets bonded
- ORMCO banded with Alexander 1st & 2nd molar bands, 018 slot
 - 1 super glue
 - 1 set cementation kit
 - 1 "Stabilo" Waterproof Marker, M size, Black

TYPODONT SETUP

Please set up your typodont in class I or class III tendency, open-bite
 All 1st molars are extracted
 2nd molars and 3rd molars are mesially tipped.

Don't forget to put back your bicuspids in place!

In clinical situation : Band the 2nd molars with the 1st molar bands
Band the 3rd molars with the 2nd molar bands

In a laboratory situation :

- Replace the 1st molars with its attachments in the sockets
- Replace the 2nd molars with its attachments in the sockets
- One or two of the 2nd molars tipped forwards

NB: Buccal attachments of the mand. 2nd molars here in this case should be 171-0325 and 172-0325. An auxiliary slot may be used for up-righting spring.

