



ACADEMY OF FIXED ORTHODONTICS

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LEVEL II COURSE

Duration – 5 Days

Timing – 10.00 am to 5.00 pm each day

STRAIGHT WIRE ORTHODONTICS DEMYSTIFIED

Benefits of our courses

1. Course Manual (A handbook - spoon feeding for the beginner)
2. DVD with Lecture and Practice Videos - You can revise the subject anytime you want
3. 5 years free post course mentoring and 10mts discussion time for all your cases
4. Access to clinical photographs, patient searchable databases and Course videos online. Click on link below to see a sample
<http://www.youtube.com/watch?v=LWQaolQdHT0>
5. Access to free Online Ceph
6. Courses for everyone at every stage of practice (budget) - Start from Level I and go upto Lingual

Topics

Day 1

Introduction

Growth & Development

Biomechanics

1. Demonstration of Petit Face Mask
2. Demonstration of Hyrax
3. Demonstration of Preorthodontic Trainer

Clinical Examination, Diagnosis & Treatment Planning

1. Cast Analysis – Using the Cast Analysis Form (Participants to bring patient 1 cast, divider, measuring scale)
2. Cephalometrics – Practicals in Ceph Tracing (Participants to bring patient Lateral Ceph, protractor, measuring scale)
3. Photography in Orthodontics
4. AFO case presentation Template Explained

Day 2

Space gaining (Extractions and non Extraction methods)

Orthodontic wires – Demonstration of Wires

Preadjusted Edgewise Appliance (Straight Wire) and the MBT System

Elastics in Orthodontics - Demonstration

Anchorage Control

Mechanotherapy

Retention and Relapse

Armamentarium

Banding and Bonding

Hands-on Typodont -

1. Placing Separators – Modules
2. Banding on Typodont with Preformed Bands with Tube
3. Welding Lingual Sheath
4. Bonding
5. Placing Lingual Button

Day 3

Handson Course continued

4. Placing Lacebacks
5. Placing Upper and Lower Niti 012 Wire - Sizing, Heating
6. Placing Elastic Ligatures
7. Placing Bendback
8. Placing Eruption Appliance
9. Lingual Rotation Tie
10. Removing Elastic Ligature
11. Removing Upper and Lower 012 NiTi wire
12. Repeat steps 2 to 8 with Upper and Lower 014 NiTi
13. Repeat steps 2 to 8 with Upper and Lower 016 NiTi

14. Placing Upper and Lower 018 SS
15. Placing Canine to Canine Power chain – Long, Medium, Continuous
16. Removing Power Chain
17. Removing wire and then Remove the Laceback
18. Placing Open Coil Spring
19. Placing SS Ligature wire
20. Placing Reverse Curve Niti – 17 x 25
21. Placing Upper and Lower 19 x 25 NiTi wire, Sizing, Heating, Ligating
22. Phase II – Overbite correction – Rocking Chair Bends (Sweep) in Deepbite,
Demo of Openbite correction
23. Placing TPA on typodont
24. Placing Figure of “8” on anteriors
25. Placing Posterior Figure of “8”
26. Making Individualized Archform on 19 x 25 SS
27. Placing Rectangular 19 x 25 SS Wire
28. Placing Crimpable Hook
29. Placing Active Tiebacks, Elastics, Power Chain, Closed Coil NiTi
30. Finishing - Placing 016 NiTi, Passive tieback and Vertical Elastics
31. Debonding and Debanding – Demo on a premolars and Upper molar
32. Bonding buccal tube (Upper Molar)
33. Forming canine band with 004 band material on cast
34. Forming Upper molar Bands with Welded Lingual Sheath on Cast
35. Soldering Palatal Arches
36. Demonstration of Thermal NiTi
37. Demonstration of Jones Jig on Cast
38. Demonstration of Headgear

Day 4

Biomechanics of Wire bending within PEA – Why?

Practicals - Basic Wire Bending – Straight, Circle, Square

Functional Appliance

Twin Block

Bite registration

Making Adam’s Clasp and Ball end clasp with Labial Bow on Cast

Demonstration of Acrylisation of Twin Block

Day 5

Biomechanics of Wire bending within PEA II – Leveling and Aligning

V bends / Stops

In out

Offsets

Cantilever Spring

Demonstration of Turret for making archform

Bypass Arches – Intrusion Arch (Various Types)

Biomechanics of Wire bending within PEA II –Space Closing

Space closing loops
T loops
Torquing
Placing Finishing Bends 014 SS
Interceptive Orthodontics
Realistic Treatment Philosophy™ – Case Discussion
Open Session

INSTRUMENT & MATERIAL LIST FOR AFO LEVEL II 5 DAYS COURSE

(All participants will have to bring these for the course)

Banding:

Separating pliers – 1 nos
Elastic Separating module – 8 nos
26 SWG Brass wire – 2 inch piece – 4 nos
NiTi Separators – 2
Band cutting scissors – 1 nos
How's plier Curved – 1nos
Mershon Band pusher – 1 nos
Bands – 0.005 and 0.004 band material 2 inch length - – 4 nos each
Prewelded Bands with Buccal Tube – 0.022, MBT, Upper Double, Lower Single – 1 patient kit (The organizers will provide 1 set with size according to the molars size on Typodont)
Bondable buccal tube (Upper Double) – Left and Right

Bonding

Bracket holding tweezers – 1 nos
Super Glue – 2 nos
Boone's Gauge or Bracket Height Gauge – 1 nos
MBT 0.022 Bracket Kit (5 – 5), with 3.4.5 hook – 1 patient Kit

Debonding

Bracket Removing pliers – 1 nos
Posterior Band removing pliers – 1 nos
Explorer – 1 nos

Wirebending

Glass Marker Pencil Yellow– 1 nos
Light wire / Begg's / Long Nose pliers – 1 nos
Mosquito (Straight / Curved – 5 inch size) – 1 nos
Pin & Ligature cutter – 1 nos
Heavy Wire Cutters – 1 nos
Crimpable Hook placement pliers – 1 nos

Wires & Elastics

NiTi Wires (Preformed)
– Round 0.012, 014, 016 (Ovoid) Upper and Lower– 2 nos

- Rectangular 0.019 x 0.025 (Ovoid) Upper and Lower – 2 nos
- Stainless Steel Wire (Preformed)– 0.018 round (Ovoid) Upper and Lower – 2 nos
 - Rectangular 0.019 x 0.025(Ovoid) Upper and Lower – 2 nos
 - Round 0.014 SS Ovoid , Upper and Lower – 2 nos
- Thermal NiTi – 0.016 ovoid upper
- Elastomeric Ligatures Ties (Styx Ligature)- 4 Sticks
- Power chain- closed (Continuous, Short and Long)– 4 inch piece – 2 nos each
- 0.010 SS Ligature Wire – 15 piece of 5 inch length
- Elastics – Yellow (5 x 16” – 2 oz), Green (5 x 16” – 3.5oz), Red– 8 nos each
- NiTi open coil 1 inch piece – 2 nos
- NiTi closed coil springs– 2 nos
- Bondable Lingual Button – 2 nos
- Crimpable Hooks 0.019 x 0.025 – 4 nos
- Trans Palatal Arches – Mesial 45mm for Typodont 1 nos and TPA for Patient cast-1 nos
- Lingual Sheath for Palatal Bar, Weldable – 2 nos (sized to the Typodont)
- Lingual cleat / Eruption Appliance

TYPODONT – 1 nos

Good Lateral Cephalogram of an orthodontic patient

A good Maxillary and Mandibular cast of an orthodontic case (all teeth must be present)