



## **ACADEMY OF FIXED ORTHODONTICS**

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### **LEVEL I & II 5 COURSE - SYLLABUS**

Duration – 5 Days

Timing – 10.00 am to 5.00 pm each day

## **STRAIGHT WIRE ORTHODONTICS DEMYSTIFIED**

(Indicative only, the course content may be modified at the discretion of AFO Faculty)

### 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 can bring their patient cast if available)
2. Cephalometrics – Practicals in Ceph Tracing (Participants can bring their patient radiograph if available)
3. Photography in Orthodontics (Participants can bring their patient photographs)
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 I & II 5 DAYS COURSE – All participants will be provided with the materials and instruments needed for the course and it should be returned to AFO in good condition after the course. However, you can bring the following if you already have patients lined up to start after the course –**

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