

### Day 1 Diagnosis

- 1) Occlusion, Anchorage, growth
- 2) Biology of PDL, Bone biology
- 3) Examination & Photography
- 4) Diagnostics Part 1
- 5) Diagnostics Part 2
- 6) Radiography

### Day 2 Treatment Planning

- 1) Cephalometrics & Record keeping
- 2) Aetiology of malocclusion
- 3) Case selection & indices
- 4) Treatment Planning 1
- 5) Treatment Planning 2
- 6) Interceptive Orthodontics

### Day 3 Materials

- 1) Alloys & Metals
- 2) Brackets
- 3) Adhesives elastics
- 4) SLB
- 5) Fixed Placement (Bonding)
- 6) Fixed Placement

### Day 4 Class I

- 1) Crowding
- 2) Removable Appliances
- 3) Cases
- 4) Wire bending
- 5) Wire bending
- 6) When to refer and scope and limitations of GP practice

### Day 5 Class II

- 1) Class II div I
- 2) Class II div II
- 3) Head gear
- 4) Functional
- 5) Functional
- 6) Cases

**Aims** – Prepare the clinician to be able to diagnose the orthodontic patient and prepare a precise problem list, note the risks, and attain consistent photographic evidence.

**Objectives** – Understand the basics of growth and development; review the anatomy of the oral cavity. Understand the fundamentals of Anchorage. Understand the basic examination of the orthodontic patient and a review of radiography in orthodontics.

**Aims** – Be able to treatment plan an orthodontic patient and acquire consistent records.

**Objectives** – Understand the basics of cephalometry; review the importance of record keeping. Understand the causes of common malocclusions; follow careful case selection procedures and understand common indices used in orthodontics. Review a step-by-step treatment planning protocol. Review the early treatment and interceptive orthodontic practices.

**Aims** – Prepare the clinicians to understand the development and uses of different materials and devices in orthodontics and their application.

**Objectives** – Understand the basics of metallurgy; bracket development and adhesives commonly used as well as the advances in orthodontic resources. Clinicians should also know the basic process of fixed appliance placement.

**Aims** – Ensure the clinician understands the basics of a Class I malocclusion and its treatment, simple removable appliances as well as how to manipulate them.

**Objectives** – Understand the causes of Class I malocclusions and their treatment. Clinicians should understand the concepts of crowding and when and when not to extract. Be able to use contemporary removable appliances as well as adjust them. Boundaries of general practice orthodontics should be clear.

**Aims** – Ensure the clinician understands the basics of a Class II div 1 and div 2 malocclusion and their treatment.

**Objectives** – Understand the causes of Class II malocclusions and their treatment; know the differences between the divisions as well as the difficulties in each. Be able to formulate treatment plans using extractions, camouflage techniques, functional appliances and head gear. Understand the limitations of functional appliances and the contemporary arguments for and against.

### Day 6 Class III

- 1) Class III
- 2) Extra oral & Face mask
- 3) Transverse
- 4) Vertical Open Bite
- 5) Vertical Deep Bite
- 6) Cases

### Day 7 Other Malocclusion

- 1) Impactions
- 2) Supernumeraries and hypodontia
- 3) Surgical orthognathic
- 4) Periodontal
- 5) Adult Orthodontics
- 6) Iatrogenic

### Day 8 Retention & Stabilization

- 1) Retention & Stability
- 2) Retention & Stability
- 3) Long Term Changes After Orthodontics
- 4) Management of Relapse
- 5) Cases
- 6) Cases (Fixed retainer demo)

### Day 9 Allied Orthodontics

- 1) TMJ & TMD
- 2) Airway & Breathing
- 3) Aesthetics
- 4) Medico legal responsibilities and consequences
- 5) Psychology
- 6) Guide Lines

### Day 10 Advances

- 1) Advances
- 2) Lingual
- 3) Tads
- 4) Aligners
- 5) Controversies & Opinions + Research
- 6) Adjunctive Therapy

**Aims** – Ensure the clinician understands the basics of a Class III malocclusion and their treatment.

**Objectives** – Understand the causes of Class III malocclusions and their treatment; know the causes and the difficulties and limitations of conventional orthodontics. Be able to consider and understand the various appliances to enhance maxillary growth and/or restrict the mandibular growth pattern. Appreciate the difficulties in vertical and transverse discrepancies and consider their treatment options.

**Aims** – Recognise and be able to give advice on local malocclusions. Understand the orthognathic surgical protocol. Understand the limitations on adult orthodontics as well as periodontal concerns in orthodontics. Note the main iatrogenic affects of orthodontics and how to avoid them.

**Objectives** – Know the various techniques used in impacted, supernumery and missing teeth, incidences as well as decision-making protocols. Know the basic referral process and advice possible in the orthognathic patient. Understand the flow of treatment and when to refer. Know various periodontal considerations in orthodontics as well as considerations with the adult patient. Iatrogenic affects should be enumerated including how to avoid and manage the situations.

**Aims** – Understand the physiology, limitations of stability; the background to relapse and the various ways to enhance retention post orthodontics.

**Objectives** – Understand the physiologic component of stability and relapse in both the short and long term. Know the main risk factors in high relapse rates and how to ensure stability. Know the various techniques used in enhancing relapse. The simple techniques on how to place fixed retainers.

**Aims** – Know the complex nature and background of TMD, airway and breathing. Understand the components of aesthetics in orthodontics and the psychological element. Be aware of the medico-legal background in orthodontics as well as the local guidelines.

**Objectives** – Understand the physiology of the TMJ. Know the various symptoms and treatment aspects of TMD and its complex nature. Understand airway physiology and how orthodontics can affect the breathing. Understand the complex nature of aesthetics and the importance of involving the patient early as well as review basic dental psychology and its importance in orthodontics. Understand the general review on medico legal responsibilities related to orthodontics, consequences and management options with emphasis on contemporary guidelines.

**Aims** – Know the contemporary advances in orthodontics, uses as well as limitations.

**Objectives** – Know the basics of aligner therapies including their confines. Be aware of lingual braces, their limitations and overview on their techniques. Review adjunctive anchorage modifications. In general be able to scrutinise scientific papers and formulate decisions on effectiveness of contemporary advances in orthodontics.