

Basic Comprehensive Orthodontic Course Outline - Group 14

√ Course Module 01

- Andrew's six keys to occlusion
- Concept of **straightwire appliance (SWA)** & **Straightwire low friction (SWLF)**
- Bracket positioning and **orthodontic bonding** theory & hands-on
- **Banding** procedures
- Instrumentation in fixed appliances
- The **3 stages in SWA**, basic archwire properties and sequencing in SWA
 - **Stage 1 (Level & Align)** - theory & hands-on
 - **Stage 2 SWA Therapy** - theory & hands-on with enmasse retraction
 - **Stage 3 (Finishing)** & debanding and enamel clean up procedures
- Retention in orthodontic treatment
- Arch length discrepancy
- Introduction to **cephalometry** and **cephalometric analysis**
- Introduction to **Invisalign**
- **Fixed appliance versus Invisalign** -how and when to decide on choice?
- 4:30pm-6pm photography session* by Dr Yue Weng Cheu

* Practical Photography

How to take proper case photos.
(Participant is encourage to bring their own camera should they have any)

√ Course Module 02

- **Vertical control in SWA & SWLF - dealing with deep bites and open bites**
- **Overbite control** in SWA using Reverse Curves & Utility archwires
- Utility archwires & reverse curve archwire hands-on
- **Space gaining techniques** in orthodontics diagnosis
- **The great debate** - to extract or not to extract ?
- **Principles of anchorage** in orthodontic Treatment - minimum, moderate and maximum anchorage
- **Adult orthodontic treatment** - key differences from adolescent treatment
- **Aesthetic appliances** - ceramic appliance Ingual appliances, Invisalign
- Use of **rapid palatal expanders** to gain space in adult treatment
- **Invisalign appliance** - treatment of various malocclusions
- **Temporomandibularjoint** considerations in orthodontic treatment

√ Course Module 03

- **Overjet control** in SWA & straightwire low friction (SWLF)
- **Class II and Class III mechanics** in SWA
- **T-loop closing archwire** in deep bite Class II cases - theory and hands-on
- **Cephalometrics II** - theory and practical of location of points, planes, and cephalometric measurement
- **Finishing procedures** in SWA treatment
- **Interpretation** of cephalometric analysis, computerized cephalometrics
- **Cephalometric superimposition techniques** to assess treatment response
- Introduction to **submentovertex** to assess asymmetry
- **Limits to orthodontic** - orthognathic surgery cases
- **Principles in orthodontic** - restorative cases with SWA and Invisalign
- **Anchorage principles** in orthodontic treatment
- **Microimplant anchorage** - theory and hands-on

√ Course Module 04

- **Phase I orthodontic treatment** - indications for early orthodontic treatment
- **Carniofacial growth** and its implication to orthodontic treatment
- 2 x 4 fixed appliances
- **Functional appliances** with special reference to twin block and boinator
- **Orthopedic appliances** and its efficacy
- The use of **herbs appliance** for correcting **skeletal 2 cases** in late adolescence
- **Elastics in SWA**
- **Six keys to success** in SWA
- **3 stage 5 archwire** approach to SWA
- **Self-ligating & low friction appliances** - damon and straightwire low friction
- **Sectional mechanics** in orthodontics therapy - indications and principles
- **Sectional molar uprighting techniques** - theory and hands-on
- Management of **impacted canines, premolar and incisors**
- **Third molar protocol** in orthodontic therapy
- **Retention**