



Practical Clinical Orthodontics (PCO) Course

New York

www.practicalbraces.com



Presented by:

Dr. Thomas Lien

Dr. Edmund Khoo

Dr. Tatiya Ungphakorn

An American Education Concept:

"American Orthodontic Training"

"Certified clinicians with academic experience"

"Extensive hands-on Experience"

Course in Singapore

2018 - 2019

17-19 December 2018

21-23 February, 24-26 May & 1-3 July 2019

4 Modules (12 Days)

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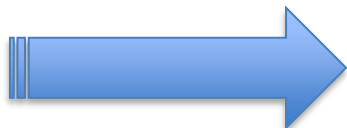
Organizers:



about Practical Clinical Orthodontics (PCO)

Practical Clinical Orthodontics (PCO) is an American Continuing Education Group, based in New York specialized in Orthodontics Training at all levels. PCO was designed with the General Dentists Orthodontists, other specialists and Orthodontic assistants in mind. It is a system based on science, teaching experience and more importantly, clinical results! The program is designed into **practical** and **efficient** three-day modules by a collective team of American Trained Orthodontists with academic experience, designed into efficient modules to meet your time commitment and skill set levels. Each module is formulated to allow you to **immediately** use your new skills and knowledge in your clinic to **strengthen** the relationship with your patients, grow your patient base and **improve** continuity of patient care! Every module comes with post-module support for patient diagnosis and treatment planning to enhance your confidence in treating patients right after!

PCO's difference



For more information on PCO, please log on to www.practicalbraces.com

- ✓ **Created & Formulated by 100% American Trained Orthodontists**
- ✓ **Trained by ABO (American Board of Orthodontist) certified Faculty Trainer**
- ✓ **2 Trainers for each module with local Faculty Support**
- ✓ **Extensive hands-on components**
- ✓ **Flexible Module Structure (Choose module to attend depending on your level)**
- ✓ **Start Practicing Basic Orthodontics after your First Module (The PCO Guarantee!)**
- ✓ **Post-Module Patient Diagnosis & Treatment Planning Support**



about DSS Academy

DSS Academy is a leading privatized provider for Dental Continuing Professional Education in Singapore. It provides a myriad of courses and live-surgeries workshops, which include but not limited to disciplines in Implant Dentistry, Periodontology, Prosthodontics, Oral Surgery Facial Esthetics, Orthodontics and Patient Management.

Beside conducting internal courses, DSS Academy is also an education partner with a number of American based Education Groups such as Howard Farran, Levin Group, PCO (Practical Clinical Orthodontics Inc), I.A.D.I (International Academy of Dental Implant) and Premium Dental Institute (P.D.I) offering quality and efficient education.

For more information of upcoming DSS Academy's courses, please follow us on Facebook www.facebook.com/DssAcademy Singapore



DSS Academy is an ADA CERP Recognized Provider.

ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry. Concerns and complaints about a CE provider may be directed to the provider or to the Commission for Continuing Education Provider Recognition at ADA.org/CERP.

Faculty Members

PCO and DSS Academy

Dr. Thomas Lien, President and Co-Founder



- ❖ BSc, University of California Los Angeles (UCLA)
- ❖ DDS, New York University (NYU)
- ❖ OKU, NYU
- ❖ Certificate in Orthodontics and Dentofacial Orthopedics, NYU
- ❖ Certificate in Invisalign Training, NYU
- ❖ Past Director, Pre-doctoral Invisalign Program, NYU
- ❖ Past Part-Time Faculty, Post-doctoral Orthodontic Program, NYU
- ❖ Full-time, Private Practice, New York, USA
- ❖ Diplomate, American Board of Orthodontics - Eligible

Dr. Edmund Khoo, Invited Faculty



- ❖ BSc (hons), University of Western Australia
- ❖ Certificate in Orthodontics and Dentofacial Orthopedics, NYU
- ❖ Certificate in Orthodontic Education, NYU
- ❖ Councilor, American Dental Education Association
- ❖ Editorial Advisory Board, Orthotown Magazine
- ❖ Fellow, International College of Dentists
- ❖ Diplomate, American Board of Orthodontics
- ❖ Full-time Faculty, NYU

Dr. Tatiya Ungphakorn, Invited Faculty, PCO, New York



- ❖ DDS, Chulalongkorn University
- ❖ Certificate in Orthodontics and Dentofacial Orthopedics, New York University
- ❖ Certificate in Orthodontic Education, New York University
- ❖ Previous Clinical Instructor, Pre-doctoral Invisalign Program, New York University
- ❖ Full-time Private Practice, New York
- ❖ Diplomate, American Board of Orthodontics

Module 1: Orthodontic Initiator

Course Overview

Our most **popular** module. The Orthodontic Initiator module is designed and formulated to equip the clinician with the **essential** knowledge and skills required to treat patients with braces in **simple, efficient** and **effective** methods. This is an **intense** three to four days of learning how to diagnose and treat orthodontic patients. It covers a **broad** range of topics from cast analysis, facial analysis, cephalometry, phases of treatment planning, bracket placement, wire and accessory placement and retention. All aspects of training are coupled with **hands-on** and **typodont** exercises for maximum clinical experience. It also eliminates a lot of unnecessary fluff and empirical philosophies so that the clinician may **focus** only on the real goals; treating patients to an **excellent** clinical standard. This module sets the foundation for subsequent modules but it is by no means just an introduction to orthodontics.

Course Objectives

- Classification of Skeletal & Dental Malocclusions
- Formulating the Diagnosis
- Developing the Problem List
- Six Phases of Treatment Planning
- Bracket and Band Positioning
- Wire Placement Techniques
- Retention Methodology

Course Content

1. Introduction to PCO
2. Orthodontics for GPs
3. Clinical Photography
4. Cephalometric Landmarks
5. PCO Cephalometric Analysis
6. Cast Analysis: Space Analysis and Bolton Analysis
7. Diagnosis Formulation: Analysis of all planes, Dental, Skeletal and Soft Tissue
8. Treatment Planning Techniques 1
 - a. Development of a treatment plan
 - b. Problem list prioritization
 - c. The 6 phases of treatment
 - d. Utilizing the therapeutic diagnosis
 - e. Space Creation: Expansion, IPR and Extraction
 - f. The PCO VTO

Day
1

1. Bands
 - a. Separators
 - b. Selection and Placement
 - c. Stabilizing a Pickup Impression
2. Bracket Positioning
 - a. Cast Analysis method
 - b. Direct Typodont Placement
 - c. Differential Bracket Positioning
3. Biomechanics I
 - a. Wire properties: Materials, Geometry, Thickness and Length
 - b. Bracket properties: Single-winged, Double-winged and Methods of ligation

Day
2

1. Tying in the wire: Placement of various wires on the crowded Typodonts
2. Wire Bending I: Circles, Steps and Curves
3. Attachment placement on crowded Typodont
 - a. Open coils
 - b. Close coils
 - c. Power chain
 - d. Kobayashi hooks
 - e. Power thread
 - f. Rotational wedges
4. Retention Methodology
 - a. Retention selection
 - b. Hands-on fixed retainers
5. Case study discussion

Day
3

Course Dates:

17 – 19 December 2018
(Mon, Tues & Wed)

Course Time:

0900 – 1900 hrs

Course Venue:

DSS Training Centre

Blk 28 Kallang Place #05-16/17
Singapore 339158

Module 2: Orthodontic Integrator

Course Overview

As the old medical adage goes, "**Prevention is Better than Cure**". Successful Phase I, early and interceptive treatment has been shown to **reduce** the need for more complex, aggressive and traumatizing treatment when the patient is older. This module is specifically designed with an emphasis on preventive/interceptive orthodontics. It aims to train the candidate to detect potential problems in all planes of space when the patient is **young** and how to manage these problems to avoid a myriad of more complex problems in Phase II. Over the course of three days, candidates will be taught how to diagnose and treatment plan for Phase I, how to establish **realistic** goals and objectives and how to use an array of appliances to achieve success. The candidate will be exposed to habit breakers, lip bumpers, head gears, face-masks, space maintainers and other functional appliances to treat patients when young and reduce the need for extractions and or orthognathic surgery when they are older. In addition to this, more in-depth biomechanics will be introduced to build upon what has been taught in the previous module. Candidates will also be taught a method of mapping clinical treatment so as to determine what options are best for their patients.

Course Objectives

- Establishing Phase I Goals and Objectives
- Mixed Dentition Analysis
- Phase I Treatment Planning
- Phase I Treatment Devices
- Arch Development
- Biomechanics and Mechanotherapy I
- Mapping Clinical Treatment

Course Content

1. Introduction to Module 2
2. How to Time your Treatment?
 - a. Chronological age
 - b. Dental age
 - c. Skeletal age
3. Etiology and Diagnosis of Malocclusions: Transverse, Vertical and Sagittal
4. Mixed Dentition Analysis
5. Treatment Planning Techniques 2
 - a. When to begin treatment?
 - b. Establishing goals and objectives
 - c. What to and not to treat in early treatment
 - d. When to end treatment
6. Soft Tissue Predictions
7. Cephalometric Superimpositions
 - a. Overall superimposition
 - b. Maxillary superimposition
 - c. Mandibular superimposition

Day
1

1. Biomechanics I
 - a. Center of gravity
 - b. Center of resistance
 - c. Center of rotation
 - d. The Laws of Newton
 - e. Linear force systems
 - f. Force magnitude
 - g. Direction
 - h. Sense
 - i. Law of the transmissibility of forces
2. Biomechanics II
 - a. How linear forces act on objects
 - b. The moment of the force
 - c. The moment of the couple
 - d. How does the ratio of the moment to couple and force affect tooth movement?
 - e. Achieving:
 - i. Uncontrolled tipping
 - ii. Controlled tipping
 - iii. Bodily movement
 - iv. Root movement
 - v. Pure rotation
 - f. The friction debacle: Surface friction & Binding friction

Day
2

1. Anchorage in Orthodontics
2. Auxiliary Anchorage Devices
 - a. What a TPA can and cannot do?
 - b. The three-step method for TPA placement
 - c. Lip bumper placement
 - i. Space regaining vs maintenance
 - ii. Adjust the lip bumper to determine molar, incisal and transverse changes
 - iii. Why the lip bumper is superior to the lower lingual holding arch?
 - d. Headgear Facebow Delivery: Selection and placement, Cervical, High-pull, Combination and Unilateral
3. Wire Bending II: Finishing Bends - 1st and 2nd Orders
4. Converting the Orthodontic Patient
5. Conventional Orthodontic Treatment of Malocclusions and Clinical Treatment Mapping Guidelines – Class I, Class II and Class III

Day
3

Course Dates:
24 - 26 May 2019
(Fri, Sat & Sun)

Course Time:
0900 - 1900 hrs

Course Venue:
DSS Training Centre
Blk 28 Kallang Place #05-16/17
Singapore 339158

Module 3: Orthodontic Advancer

Course Overview

When a clinician has had a taste and satisfaction of the building blocks of foundational orthodontics, they often want to build on these skill-sets and knowledge to learn more. Clinicians who aim to **push** themselves to the next level of orthodontic training are candidates for the Orthodontic Advancer module. This module delivers three days of **extra** biomechanics, mechanotherapy, segmental mechanics and also trains candidates on how to use bone anchorage devices to maximize **desired** movements and minimize side effects. Explore the latest techniques on **accelerated** tooth movement and how this can be achieved easily in a clinical setting. Widen the envelope of basic orthodontic treatment with the Orthodontic Advancer module. Please note that this module is targeted as a refresher for **orthodontists** or for clinicians with prior orthodontic training.

Course Objectives

- **Biomechanics & Mechanotherapy II**
- **Establishing 3-Dimensional Movements**
- **Segmental Mechanics**
- **Utilizing Bone Anchorage Devices**
- **Accelerated Tooth Movement**

Course Content

1. Biomechanics III
 - a. Couple to force ratios in tooth movement
 - b. Equilibrium
 - c. One couple systems
 - d. Two couple systems
2. Segmental mechanics
 - a. Determinate systems vs indeterminate systems
 - b. Establishing your segments
 - c. Predicting segmental movements
 - d. Understand the side-effects of your movements and how to counter them
 - e. Anchorage augmentation
 - f. Using segmental wires and bypass techniques
 - g. Molar uprighting
 - h. T-loops
 - i. Cantilevers
3. Advanced TPA techniques
 - a. Distalizing
 - b. Rotation
 - c. Torque

Day
1

1. The 2x4 setup
 - a. Stop-arches
 - b. Utility arches
 - c. Intrusion arches
 - d. Extrusion arches
 - e. Advancement arches
 - f. Retraction arches
 - g. Combination arches
2. TADs
 - a. Introduction to TADs
 - b. Selection of TADs
 - c. Diameter vs length
 - d. Anatomical positions for TAD success
 - e. Indirect vs direct anchorage
 - f. Placement of TADs
 - g. Placement of passive power arms
 - h. Maximum retraction mechanics
 - i. Maximum protraction mechanics

Day
2

1. Wire Bending III
 - a. 3rd Order bends
 - b. Arch form coordination
2. Micro-osteo perforations and accelerated tooth movement
3. Non-Conventional Orthodontic Treatment of Malocclusions
 - a. Class I
 - b. Class II
 - c. Class III

Day
3

Course Dates:
1 - 3 July 2019
(Mon, Tue & Wed)

Course Time:
0900 - 1900 hrs

Course Venue:
DSS Training Centre
Blk 28 Kallang Place #05-16/17
Singapore 339158

Module 4: Esthetic Orthodontics

Course Overview

We live in a society where the **demand** for esthetic treatments and modalities is **growing** at an exponential rate. The **adult** population seeking orthodontic treatment is also becoming more prominent. The Esthetic Orthodontics module is created to allow candidates to create **straight** teeth and **beautiful** smiles without the conspicuous nature of traditional metal braces. Learn how to utilize clear aligner therapy, basic lingual braces and hybrid treatments to maximize orthodontic tooth movements without compromising esthetics and social interaction. This increasingly popular module is ideal for the clinician who treats a patient profile that requires a complete esthetic make over. Incorporate **interdisciplinary** techniques to provide your patients with the complete esthetic dentistry package.

Course Objectives

- Clear Aligner Therapy
- Lingual Social Six
- Maximizing Outcomes with Minimal Effort
- Hybrid Treatments and Contingencies
- Interdisciplinary Orthodontics and Esthetic Dentistry

Course Content

1. What is Esthetic Orthodontics and who seeks it?
2. Common Esthetic Concerns of Clinical Orthodontic patients
3. Fixed Appliances vs Clear Aligner Therapy Objectives
4. Invisalign – What is it?
5. Invisalign Patient Selection is everything!
6. Aligner Capabilities to Success
7. *Case Studies*

Day
1

Day
3

1. Common Clinical Issues with Aligner Therapy
2. Treatment Finishing with Aligners
 - a. [Hands-On] Bootstrap Elastics Technique
 - b. [Hands-On] Dental Pliers for Minor Adjustments
3. *Case Studies*

1. Auxiliary Elastics and Aligners
2. Dental Camouflage Application to Aligner Therapy
3. Invisalign Treatment Process
 - a. [Hands-On] PVS Impressions
 - b. [Hands-On] Invisalign Attachments
 - c. [Hands-On] Interproximal Reduction
4. *Case Studies*

Day
2

Course Dates:
21 – 23 Feb 2019
(Thurs, Fri & Sat)

Course Time:
0900 – 1900 hrs

Course Venue:
DSS Training Centre
Blk 28 Kallang Place #05-16/17
Singapore 339158

Registration Form

Practical Clinical Orthodontics Program

Modules	Individual Module		Full (4 Module)	
	Member	Non-Member	Member	Non-Member
Module 1 Orthodontic Initiator (17 – 19 December 2018)	<input type="checkbox"/> Normal Rates: S\$5,400 S\$5,778 (with GST)	<input type="checkbox"/> Normal Rates: S\$6,000 S\$6,420 (with GST)	<input type="checkbox"/> Normal Rates: S\$18,000 S\$19,260 (with GST)	<input type="checkbox"/> Early Bird (first 8 participants) S\$18,000 S\$19,260 (with GST)
Module E Esthetic Orthodontics (21 – 23 February 2019)	<input type="checkbox"/> Normal Rates: S\$5,400 S\$5,778 (with GST)	<input type="checkbox"/> Normal Rates: S\$6,000 S\$6,420 (with GST)		
Module 2 Orthodontic Integrator (24 – 26 May 2019)	<input type="checkbox"/> Normal Rates: S\$5,400 S\$5,778 (with GST)	<input type="checkbox"/> Normal Rates: S\$6,000 S\$6,420 (with GST)		<input type="checkbox"/> Normal Rates: S\$20,000.00 S\$21,400 (with GST)
Module 3 Orthodontic Advancer (1 – 3 July 2019)	<input type="checkbox"/> Normal Rates: S\$5,400 S\$5,778 (with GST)	<input type="checkbox"/> Normal Rates: S\$6,000 S\$6,420 (with GST)		

Personal Particulars

First Name

Last Name

Clinic Name

Clinic Address

Clinic Tel No.

Mobile No.

DCR No.

Email Address

Notes:

A. Course Fees includes:

All study and hands-on materials
Meals and Graduation Dinner
Certificate of Completion
Two FREE Case Consult (with Treatment planning)

B. Course Venue

DSS Academy Pte Ltd
Blk 28 Kallang Place #05-16/17
Singapore 339158

Payment:

For Direct Bank Transfer:

Account Name: **DSS Academy Pte Ltd**

Bank: **OCBC Bank** Account No.: **686-409897-001**

For Cheque Payment:

Please include your full name and ref: **“Grp 7 PC01819”** at the back of the cheque.

Cheque amount: \$ _____

Please make cheque payable to **DSS Academy Pte Ltd**

Mail to Blk 28 Kallang Place #05-16/17 Singapore 339158

For RSVP or more enquiries, please contact DSS Academy representatives:

Andy Poh Mobile: 9147 4633

Moon Ong Mobile: 8125 4633

Christine Joy Mobile: 9642 4633

Viji Mobile: 9658 4633

Alternatively, you can email us at
info@dssacademy.com or
call us at 6842 4802

Disclaimer & Cancellation Policy:

DSS Academy reserves the right to cancel, postpone or modify the announced course content, limit enrollment, or change the location, time, date, or speakers due to unforeseen circumstances.

A full refund of course fee will be issued if DSS Academy cancel or postpone of any courses

No refunds will be issued if you cancel the course registration; however, you are welcome to attend the next available course