



**SINGAPORE DENTAL ASSOCIATION
PROUDLY PRESENTS**

comprehensive orthodontics for general dental practitioners

This comprehensive orthodontic education programme is based on the orthodontic curriculum of a CODA-accredited US orthodontic training program and has been designed to provide the necessary knowledge and skills to the general dentists who wish to provide orthodontic treatment to their patients.

From orthodontic diagnosis through to treatment and retention phases, this course will cover craniofacial growth and development, biomechanics, biology of tooth movement, treatment timing, orthodontic treatment planning, interceptive orthodontics, removable appliance therapy, growth modification treatment, fixed appliance therapy, and interdisciplinary diagnosis and treatment planning.

At the end of this course, participants will be able to treat mild to moderate malocclusions in their offices and produce optimal esthetic and functional outcomes for their patients.

**112
hours**
of didactic lectures
and hands on
workshops

Professor Sundaralingam Premaraj

- BDS (Hons), University of Peradeniya, Sri Lanka
- MS (Orthodontics), Postgraduate Institute of Medicine, University of Colombo, Sri Lanka
- Certificate, Orthodontics, The Ohio State University, Columbus, OH, USA
- PhD, The Ohio State University, Columbus, OH, USA
- Diplomate, American Board of Orthodontics
- Fellow of The Royal College of Dentists of Canada (FRCD)

Dr Premaraj is the current Chair at the Department of Orthodontics, College of Dental Medicine, Nova Southeastern University (NSU). Prior to this, he was first the Program Director of Advanced Education Program in Orthodontics, then the Vice-Chair at the Department of Growth and Development at University of Nebraska Medical Centre College of Dentistry (UNMC). As part of these roles, he was involved in revamping both predoctoral and postdoctoral curriculum to increase the diversity of content and make the curriculum contemporary and evidence based. Dr Premaraj is also a Diplomate of the American Board of Orthodontics and Fellow of The Royal College of Dentists of Canada.

He is actively involved in practicing orthodontics in the intramural faculty practices at UNMC, Omaha Children's hospital and NSU, and supervision of clinical care provided by the graduate orthodontic residents. One of the key areas of his clinical activity is orthodontic management of patients with cleft lip/palate and other craniofacial anomalies.

His key research interests are in biology of tooth movement, craniosynostosis, cleft lip and palate, and obstructive sleep apnoea.

Currently, Dr Premaraj is a member of the cleft palate and craniofacial team at Joe DiMaggio Children's Hospital, Hollywood, FL. From 2018-2021, he was part of the cleft teams at Omaha Children's Hospital and Boys Town National Research Hospital, Omaha.

Meet our speaker.

Brace yourself.

monthly
diadactic
live zoom
webinars,
3.5 hours
per module.

Module 1

- Scope of orthodontics and common terminology
- Etiology and classifications of malocclusions in primary and mixed dentitions
- Goals, benefits and undesirable effects of orthodontic treatment

Modules 2 & 3

- Clinical assessment, diagnostic records and formulating orthodontic diagnosis
- Cephalometric basics, identification of selected cephalometric landmarks
- Perform and interpret simple cephalometric analyses
- Diagnose and classify a malocclusion
- Development of prioritized problem list

Module 4

- Problem-oriented approach to orthodontic treatment planning
- When to start orthodontic treatment of different types of malocclusions
- When and how to use dental age and skeletal maturation in timing of orthodontic treatment
- How to treat Class I malocclusions

Module 5

- Treat Class II and III malocclusions in children and adults
- Treat posterior crossbites and anterior open bites in children and adults
- Determine whether extractions are needed for orthodontic purposes and which tooth/teeth to extract

Module 6

- Craniofacial growth and development
- Basic principles and biology of growth modification in orthodontics and of orthodontic tooth movement
- Approaches/methods available to modify growth to correct skeletal class II and III malocclusions in growing individuals

Module 7

- Mechanics of tooth movement and how orthodontic forces are produced
- Elastic materials and different types of orthodontic archwire materials
- Biomechanical concepts of one and two couple systems

Module 8

- Anchorage in appliance therapy
- Planning, management, types of anchorage selection of anchorage modality and loss of anchorage

Module 9

- Scope, limitations, design and indications for removable orthodontic appliances
- Patient selection and patient management for removable orthodontic appliances
- Scope, limitations and production process of clear aligners
- Case selection and patient management for clear aligner therapy

Modules 10 & 11

- How to treat a patient with Class I or Class II malocclusion using fixed appliance from bonding of appliances to alignment of the arch
- Indications for banding
- Leveling, space closure, overjet management, correction of Class II /III arch discrepancy with elastics, detailing and Finishing of occlusion and removal of appliances

Module 12

- Relapse and retention
- Different types of retainers and their indications
- Clinical management of patients on retainers and retention considerations

Module 13

- Management of occlusal problems including crossbites, open bites and habits
- Management of eruption problems including ectopic eruption, delayed incisor eruption, supernumeraries, over-retained primary teeth and ankylosed primary teeth

Module 14

- Interdisciplinary diagnoses and treatment planning concepts
- Anatomy of smile
- Management of missing teeth, gummy smiles, teeth wear, gingival issues and unusual crown forms

Module 15

- Management of impacted canines
- Interceptive approaches to prevent canine impaction

Module 16

- Interactive case presentations and discussions

Get your hands dirty.

hands-on,
2 sessions,
8 days,
56 hours.

Session 1

Day 1: Diagnosis and Treatment Planning

- learn to diagnose and treatment plan, using clinical data and diagnostic records of the patients from their offices.

Day 2: Banding and Bonding

- be familiarized with orthodontic hand instruments
- learn how to select bands, fit and cement bands, bond orthodontic brackets and tie an archwire

Day 3: Bracket placement and basic wire bending

- learn and practice bracket positioning using an orthodontic study cast or typodont
- learn and practice basic wire bending

Day 4: Mixed-dentition treatment

- learn and practice fabrication of 2X4 appliance, expansion appliances, auxiliaries used for space-maintenance and reinforcement of anchorage

Session 2

Day 1: Management of Class I crowding – Non-extraction case

- learn and practice the steps/stages of treatment of a Class I malocclusion (non-extraction case) using fixed appliances in a typodont
- learn and practice how to use various auxiliaries used in fixed appliance treatment

Day 2: Management of Class I crowding – Extraction case

- learn and practice the steps/stages of treatment of a Class I malocclusion (extraction case) using fixed appliances in a typodont
- learn and practice fitting, adjustment and chairside management various removable appliances

Day 3: Management of Class II division 1 mild to Moderate case in growing individuals

- learn and practice the steps/stages of treatment of a Class II division 1 malocclusion (extraction case) using fixed appliances in a typodont
- learn and practice debonding (removal) of fixed orthodontic appliances

Day 4: Clear Aligners and Functional Appliances

- Clinical management: patient selection, clincheck, attachments, overcorrection, refinement
- learn and practice fitting and clinical management of various functional appliances

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| MONTHLY DIDACTIC WEBINARS | HANDS-ON SESSIONS | CLEAR ALIGNER CERTIFICATION COURSE |
|---|--|---|
| <ul style="list-style-type: none">• FIRST SATURDAY OF EVERY MONTH• ZOOM WEBINARS | <ul style="list-style-type: none">• SESSION 1: 4 DAYS• SESSION 2: TBC | <ul style="list-style-type: none">• TBC |

Register here.



For enquiries, please contact 6258 9252 or email cde@sda.org.sg.

Limited to 30 participants.

\$ 14,000

SDA MEMBERS

\$ 17,000

NON-SDA MEMBERS

*THE COURSE WILL COMMENCE WHEN A MINIMUM OF 20 PARTICIPANTS HAVE BEEN ENROLLED.

the not-so-fine print.

PAYMENT CAN BE BY CASH, CHEQUE, FUND TRANSFER OR PAYNOW. REGISTRATION IS ON A FIRST-COME-FIRST-SERVED BASIS AND IS VALID UPON FULL PAYMENT. IF PAYMENT IS NOT RECEIVED WITHIN 1 WEEK OF REGISTRATION, THE SLOT WILL BE RELEASED TO OTHER PARTICIPANTS. THERE WILL BE **NO REFUND** FOR CANCELLATIONS OR ABSCENCE. SDA RESERVED THE RIGHT TO AMEND, CANCEL OR POSTPONE THE PROGRAMME, CHANGE THE EVENT VENUE, DATE OR TIME WITHOUT PRIOR NOTICE.

all the cool kids,
they seem to get this.

SCAN HERE TO JOIN SDA!

