



# THE K.I.S INITIATIVE

**PRACTICAL & PREDICTABLE  
PERIO-IMPLANT SOLUTIONS FOR  
THE GENERAL DENTIST**

**Venue : NUSS Kent Ridge Guild House**



**ALVIN B.K. YEO  
ASSOCIATE PROFESSOR**

## **Module 1 - Practical Periodontal Therapy Master Course**

**29 - 30 Aug 2024 | 9am - 6pm | Lecture + Hands on (typodont)**

**31 Aug 2024 | 9am - 6pm | Hands on (pig's jaw)**

**90 CDE  
POINTS**

## **Module 2 - The ABCs to Surgical & Prosthetic Implantology Course**

**3 - 4 Oct 2024 | 9am - 5pm | Surgical Lecture + Hands on (typodont)**

**5 Oct 2024 | 9am - 5pm | Prosthetic Lecture + Hands on (typodont)**

## **Module 3 - Practical GBR Master Course**

**14 - 15 Nov 2024 | 8:30am - 6pm | Lecture + Hands on (typodont)**

**16 Nov 2024 | 9am - 6pm | Hands on (pig's jaw)**

## **Module 4 - Practical Soft tissue Master Course**

**10 Jan 2025 | 8:30am - 6pm | Lecture + Hands on (eggplant + typodont)**

**11 Jan 2025 | 9am - 6pm | Hands on (pig's jaw)**

*Organized by:*



*Gold Sponsor:*



*Hands-on Sponsors:*



*Silver Sponsor:*





**ALVIN B.K. YEO**  
**ASSOCIATE PROFESSOR**

BDS (1997), National University of Singapore  
Certificate in Periodontics (2003),  
University of North Carolina, USA  
MS (2003), University of North Carolina, USA  
PhD (2010), University of Groningen, Netherlands

# THE K.I.S INITIATIVE



**PRACTICAL & PREDICTABLE PERIO-IMPLANT  
SOLUTIONS FOR THE GENERAL DENTIST**

Prof. Alvin Yeo is currently working as an Associate Professor and Senior Consultant at the National University of Singapore (NUS) and National University Centre for Oral Health Singapore (NUCOHS) respectively. He assumes the position of Director of the Postgraduate Residency Program in the Department of Periodontics at the National University of Singapore. In addition, he is currently a member of the Dental Specialist Accreditation Council (DSAC) in Periodontics assigned to conduct exit assessments and recommendations for new Periodontist specialist accreditation.

Prof Yeo graduated in Periodontics at the University of North Carolina at Chapel Hill, USA in 2003 with a Certificate in Periodontics and a Master of Science (MS) degree in Oral Biology. He received his Bachelor of Dental Surgery (BDS) degree from the NUS in 1997. He was conferred Fellow in the Academy of Medicine, Singapore (FAMS) in 2007. He was awarded a Doctorate of Philosophy (PhD) from the University of Groningen, Netherlands after successfully defending his PhD thesis in March 2010.

Prof Yeo sits on the Editorial Advisory Board of the Journal of Periodontology and the Journal of Implantologicum from the ITI. Furthermore, he is currently appointed as Key Opinion Leader (KOL) for Straumann Dental Implants, Geistlich Biomaterials and the ITI within the Asia-Pacific region. He lectures and conducts workshops actively both locally and internationally on topics related to Periodontology and Implant Dentistry.

## **COURSE SYNOPSIS**

This comprehensive program is for general dental practitioners who wish to further their skills and knowledge in the disciplines of periodontology & implantology. Spanning 11 days, "K.I.S initiative" is a four part continuum designed to elevate your understanding and appreciation of these two crucial, interconnected disciplines.

The program will focus on the theory and practice of periodontal, peri-implant hard and soft tissue management techniques.

The initiative of this program is to "**Keep It Simple**". Our goal is to impart practical and predictable solutions, tips and tricks to course participants to meet the treatment needs of their busy clinical practice. Whether you're new to implant dentistry or seeking to refine your existing skills, this comprehensive program will equip you with the knowledge and techniques to achieve predictable, long-lasting results for your patients.

**Developed by**  
**College of**  
**General Dental**  
**Practitioners**  
**Singapore**

**A/Prof Alvin Yeo will be the main speaker for the 4 modules.**

**He will be assisted by a team of Periodontists, Prosthodontists, OMS Surgeon and Oral & Maxillofacial Radiologist.**

# THE K.I.S INITIATIVE

**PRACTICAL & PREDICTABLE PERIO-IMPLANT SOLUTIONS  
FOR THE GENERAL DENTIST BY ASSOCIATE PROFESSOR ALVIN B.K. YEO**



## LEARNING OBJECTIVES

- 1 Understand & recognize the pathogenesis & risk factors of periodontitis.
- 2 Be updated in the latest World Workshop (2017) periodontal disease classification & diagnosis.
- 3 Ability to perform tooth & patient-level prognostication of periodontally challenged cases.
- 4 Discuss management strategies of surgical & non-surgical periodontal therapy & the use of chemotherapeutics.
- 5 Identify & select the appropriate use of scalers, curettes & interdental aids for debridement & maintenance therapy.
- 6 Understand role of dental implants in dentistry & criteria for outcome measures.
- 7 Recognize general & local risk factors that influence long-term implant therapy success.
- 8 Identify degree of complexity and potential risk involved in implant treatment cases via a classification system.
- 9 Understand how to analyse a basic implant site.
- 10 Discuss surgical & clinical considerations during surgical implant treatment planning.
- 11 Review the different implant placement timing protocol.
- 12 Discuss the importance of implant supportive care & maintenance.
- 13 Learn about prosthetic consideration for choice of dental implants.
- 14 Understand the different abutments available for single crowns or bridge and practical considerations in prosthetic design.
- 15 Understand the different restorative material choices for different prosthetic designs.
- 16 Identify and manage simple prosthetic complications.
- 17 Learn how to communicate with the dental laboratory and to handle the completed prostheses.
- 18 Discuss oral surgery principles, surgical set-up & infection control.
- 19 Understand and perform the use of CBCT analysis in implant site treatment planning and review implant-related anatomy of the maxilla & mandible.
- 20 Discuss indications of alveolar ridge preservation (ARP).
- 21 Discuss principles of GBR & indications for contour augmentation.
- 22 Understand the important zone of keratinized mucosa & soft tissue or gingival thickness and their implications on aesthetics & health.
- 23 Learn and perform basic to advanced suturing techniques.
- 24 Learn and perform the proper use of hand instrumentation and application of locally-delivered antibiotics in periodontal debridement therapy.
- 25 Learn and perform proper flap elevation, different flap & incision designs.
- 26 Learn and perform implant site osteotomy & implant placement, followed by making a digital or conventional implant impression.
- 27 Learn and perform alveolar ridge preservation (ARP) and contour augmentation around perio-implant defects with biomaterials.
- 28 Learn and perform periodontal osseous surgery.
- 29 Learn and perform sharp dissection to achieve split thickness dissection.
- 30 Learn and perform the harvesting and fixation of free gingiva graft (FGG) and subepithelial connective tissue graft (SCTG).
- 31 Learn and perform the fixation of collagen matrices as soft tissue augmentation substitutes.

# THE K.I.S INITIATIVE

**PRACTICAL & PREDICTABLE PERIO-IMPLANT SOLUTIONS  
FOR THE GENERAL DENTIST BY ASSOCIATE PROFESSOR ALVIN B.K. YEO**



## Module 1

Practical Periodontal Therapy Master Course

### Lecture

- 1 Pathogenesis & risk factors of periodontal disease
- 2 Update on periodontal disease classification & diagnosis
- 3 Non-surgical periodontal therapy
  - a Examination & prognostication
  - b Periodontal charting & periodontal risk assessment tool
  - c EFP S3 Clinical Practice Guidelines: Stage 1 & 2 Initial periodontal therapy (IPT)
  - d Management of furcation involved teeth
  - e Management of acute-periodontal & perio-endo lesions
  - f Adjunctive therapy & chemotherapeutics
  - g Maintenance/Supportive periodontal therapy (SPT)
- 4 Surgical periodontal therapy
  - a Objectives & indications of periodontal surgery
  - b Principles & considerations of flap design
  - c Access flap, osseous & regenerative Surgery
- 5 Contraindications & medical risks to periodontal surgery
- 6 Biologic width & supra-crestal attachment

### Hands-on - Typodont model

- 1 Identification of periodontal instruments, curettes & cleaning aids (IDB, end-tufted brush).
- 2 Non-surgical debridement demo and hands-on practice
- 3 Practical application of adjunctive antibiotics
- 4 Basic suturing techniques
- 5 Flap elevation, defect evaluation & root debridement
- 6 Osseous surgery (osteoplasty & ostectomy)
  - a Bone recontouring & pocket reduction
  - b Crown lengthening

### Pigs Jaw

- 1 Basic suturing techniques
  - a Interrupted
  - b Reverse interrupted
  - c External vertical mattress
- 2 Flap & incision designs
  - a Gingivectomy
  - b Access flap
  - c Modified Widman flap
  - d Mesial, distal wedges
- 3 Flap elevation, defect evaluation & root debridement
- 4 Osseous surgery (osteoplasty & ostectomy)
  - a Bone recontouring & pocket reduction
  - b Crown lengthening

## Module 2

The ABCs to Surgical & Prosthetic Implantology Course

### Lecture

- 1 Role of Implants in Dentistry & Overview. Survival & Success Criteria
- 2 General & Medical Risks Factors Relevant to Implant Dentistry
- 3 SAC Concept & Basic Implant Site Analysis
- 4 Osseointegration. Does Implant Design & Surface Characteristics Matter?
- 5 Implant Placement Timing Protocol. "Immediate, Early & Delayed Approach"
- 6 Implant Treatment Planning: "Clinical Considerations"
- 7 Surgical Considerations & Complications During & Post Implant Placement
- 8 Maintenance & Supportive Peri-implant Therapy
- 9 Treatment Planning & Risk Assessment: Replacing the single missing tooth
- 10 Considerations During Consent Taking
- 11 Digital Solutions and Splint designs
- 12 Designing the Implant Crown: Abutment Choice, Material Choice & Mode of Retention
- 13 Prosthesis Design & Communication with the Dental Laboratory - Handling the completed Prosthesis
- 14 Prosthetic Complications, How to Manage Them, Maintenance and Recall

### Hands-on - Typodont model

- 1 Basic Suturing Techniques and flap design (Revision)
- 2 Implant Site Osteotomy & Implant Placement
  - a Placement of Implant at lower anterior incisor/canine site (single implant-retained crown)
  - b Placement of Implants (x2) at posterior 1st premolar & 1st molar sites (3-unit implant-retained fixed bridge)
- 3 Conventional & Digital Implant Impressions

# THE K.I.S INITIATIVE

**PRACTICAL & PREDICTABLE PERIO-IMPLANT SOLUTIONS  
FOR THE GENERAL DENTIST BY ASSOCIATE PROFESSOR ALVIN B.K. YEO**



## Module 3

Practical GBR Master Course

### Lecture

- 1 Basic to advance oral surgery principles
- 2 Surgical set-up & infection control
- 3 Flap designs, periosteal releasing incisions & advanced suturing techniques
- 4 Pharmacology, pre- and post-op care, pain management
- 5 Radiographic & implant-related anatomy of the maxilla & mandible
- 6 Radiographic imaging of the implant-site;
  - a Radiographic indications & guidelines for implant planning
  - b 2D-imaging (Periapical, Occlusal, Panoramic & Lateral Cephalogram)
  - c 3D-imaging (Cone Beam CT)
- 7 General & local risk factors affecting long-term implant stability
- 8 Anatomic risks and surgical considerations during implant planning (Anterior maxilla, Posterior maxilla, Posterior mandible)
- 9 Remodelling & alterations of the alveolar ridge dimensions following tooth extraction
- 10 Indications of alveolar ridge preservation (ARP) & step-by-step protocol
- 11 Principles of GBR & bone healing
- 12 Biologic properties of bone grafts, bone substitutes and membranes
- 13 Indications of contour augmentation & step-by-step protocol

### Hands-on

- 1 Practise on advanced suturing techniques using suture pads
- 2 Hands-on session with CBCT software;
  - a Navigating CBCT software
  - b Radiographic anatomy on CBCT
  - c Case discussions

### Hands-on - Typodont model

- 1 Hands-on practice on suturing techniques & ARP
- 2 Hands-on practice of contour augmentation around peri-implant defects

### Pigs Jaw

- 1 Flap designs & incision preparations
- 2 Advanced suturing techniques (horizontal & vertical mattresses, Modified Laurell, single-tooth sling, continuous)
- 3 Low trauma extraction of multiple-rooted teeth + alveolar ridge preservation with biomaterials
- 4 Periosteal releasing incisions, local harvesting of autogenous bone chips + contour augmentation with biomaterials around peri-implant defect sites

## Module 4

Practical Soft tissue Master Course

### Lecture

- 1 Anatomy of the gingiva & peri-implant mucosa interface.
- 2 Health & stability of gingiva & peri-implant mucosa.
- 3 Soft tissue phenotype & considerations around natural teeth
- 4 Soft tissue phenotype & considerations during implant treatment planning
  - Keratinized mucosa (Quality)
  - Thickness of soft tissue volume (Quantity)
- 5 Anatomic considerations & surgical variations during harvesting of SCTG

### Hands-on - Practice on eggplant

- 1 Harvesting FGG from eggplant
- 2 Placement & fixation of collagen matrix on eggplant

### Hands-on - Practice on eggplant & Typodont model

- 1 Harvesting SCTG from eggplant (de-epithelized FGG, single-incision & trap door technique)
- 2 Placement & fixation of "eggplant SCTG" & collagen matrix on typodont model

### Pigs Jaw

- 1 Sharp dissection to achieve split thickness incision
- 2 Frenectomy and/or apically repositioning of lining mucosa for vestibular extension or vestibuloplasty
- 3 Harvesting of FGG from palate & donor site wound closure
- 4 Fixation of FGG & collagen matrix using various suturing techniques
- 5 Flap design & preparation of coronally advanced flap
- 6 Harvesting of SCTG from palate
  - De-epithelized FGG
  - Single-incision technique
  - 1-sided trap door technique
- 7 Fixation of SCTG & collagen matrix using various suturing techniques

# THE K.I.S INITIATIVE

**PRACTICAL & PREDICTABLE PERIO-IMPLANT SOLUTIONS  
FOR THE GENERAL DENTIST BY ASSOCIATE PROFESSOR ALVIN B.K. YEO**



## **Assistant Instructor** Dr Christina Cheok

BDS (Singapore), MDS Periodontology (Singapore), MRD RCS (Edinburgh), FAMS (Singapore)



Dr Christina Cheok graduated from the National University of Singapore (Bachelor of Dental Surgery). She then embarked on a clinical attachment at the Department of Periodontology and Fixed Prosthetics, University of Bern, Switzerland; subsequently received her specialist training in Periodontology and obtained a Master of Dental Surgery (Periodontics) degree. She was conferred membership of the Royal College of Surgeons of Edinburgh.

Dr Cheok is a Lecturer for the NUS Periodontology Postgraduate Programme and for the NYP Oral Health Therapist Clinical Programme. Dr Cheok is also currently practicing at Le MinT'S Dental.

## **Assistant Instructor** Dr Sheralyn Quek

BDS (Singapore), M Pros RCS (Edinburgh), MDS (Prosthodontics) (Singapore)



Dr Sheralyn Quek is currently a Consultant with the Prosthodontics Unit, Department of Restorative Dentistry, at the National Dental Centre Singapore. She received her dental degree from the National University of Singapore in 2010 and obtained a Masters in Dental Surgery (Prosthodontics) in 2016. She is an accredited Prosthodontist with the Singapore Dental Accreditation Board.

She has been active in research and is investigating the clinical performance of 3D Printed Implant-Supported crowns. She is currently holding the appointment of co-head of Patient Experience in NDCS, which looks at improving the overall patient experience at NDCS.

## **Assistant Instructor** Dr Phang Zi Ying

BDS (Singapore) MDS (Prosthodontics) (Singapore) M Pros RCS (Edinburgh)



Dr Phang is presently a Consultant in the Prosthodontics Unit, Department of Restorative Dentistry, National Dental Centre Singapore (NDCS). She obtained her Bachelor of Dental Surgery from the National University of Singapore (NUS) and completed her Master of Dental Surgery (Prosthodontics) in NUS. She is an accredited Prosthodontist with the Singapore Dental Specialist Accreditation Board.

Dr Phang has been actively involved in the educational efforts for dental officers in the prosthodontic unit. She is also a past member of the Young Clinicians' Program which offers continuing education programs targeted at recent dental graduates. Outside of work, Dr Phang is co-director of the local International Team for Implantology (ITI) Study Club.

## **Assistant Instructor** Dr Lee Wan Zhen

BDS (Singapore) MDS (Periodontology) (Singapore) M Perio RCS (Edinburgh) FAMS



Dr Lee obtained her Masters of Dental Surgery (Periodontology) from the National University of Singapore in 2013. In 2015, she became an accredited Periodontist with Singapore Dental Council. She is currently a Fellow of the Academy of Medicine, Singapore.

Dr Lee is presently a Senior Consultant and Head of the Periodontics Unit, Department of Restorative Dentistry, National Dental Centre Singapore (NDCS). She is also a Clinical Senior Lecturer with National University of Singapore Faculty of Dentistry and Clinical Assistant Professor with SingHealth Duke NUS Oral Health Clinical Programme (ORH ACP).

# THE K.I.S INITIATIVE

**PRACTICAL & PREDICTABLE PERIO-IMPLANT SOLUTIONS  
FOR THE GENERAL DENTIST BY ASSOCIATE PROFESSOR ALVIN B.K. YEO**



**Assistant Instructor** Dr William Lim  
BDS (Singapore) MDS (Oral & Maxillofacial Surgery) (Singapore) FAMS (Oral & Maxillofacial Surgery)



Dr Lim completed his Basic degree in Dental Surgery in 2008 with the Outstanding Undergraduate Research Prize.

He subsequently went on to pursue his Masters in Oral & Maxillofacial Surgery in the year 2010. Dr William Lim served as a Consultant in the National Dental Centre Singapore where he was the Head of the Oral and Craniofacial Implant Program.

Dr William Lim became a Fellow of the Academic Medicine Institute in 2016. He served as the President of the Association of Oral and Maxillofacial Surgeons Singapore in 2021 and believes in giving back to the profession.

**Assistant Instructor** Dr Lim Li Zhen  
BDS (Singapore) MSc (Oral and Maxillofacial Radiology) (North Carolina)



Dr Lim is a Senior Lecturer at the Faculty of Dentistry, National University of Singapore (NUS), and a Consultant at the National University Centre for Oral Health, Singapore (NUCOHS).

She received her BDS from NUS in 2010. She subsequently received an NUS-Overseas Graduate Scholarship to pursue a Master of Science degree in Oral and Maxillofacial Radiology at the University of North Carolina at Chapel Hill. Upon graduating in 2017, she was the first Singaporean to complete a full-time 3-year residency program in Oral and Maxillofacial Radiology. She received her board certification from the American Board of Oral and Maxillofacial Radiology in 2018.

## Who Should Attend this course?

- ✔ Dentists who wish to attain a basic to intermediate level of training in the management of periodontal, peri-implant hard and soft tissue
- ✔ Dentists who are looking to confidently treatment plan periodontal and implant cases to achieve predictable and long lasting results
- ✔ Dentists with little to no training in the field of implantology

**SMALL  
CLASS SIZE**

*Limited to 26  
participants only!*

**Course Fees | CGDP Member - \$7,500, Non-CGDP Member - \$8,000**

### Terms and Conditions:

- Participants must attend all 4 modules.
- Full payment can only be made via **PayNow**.
- Registration is on a first come first served basis and will be valid only upon full payment.
- There will be NO refunds for cancellations or non-attendance.
- If payment is not received within 24 hours of registration, the seats will be released to other participants.
- CGDP reserves the right to amend any part of the programme, cancel or postpone the programme, change the venue, date and time of the event without any prior notice.