

15TH NUS-SDA

Distinguished Speaker Programme

Main Conference (inclusive of 8% GST)	Early Bird Registration (by 20 June, inclusive)	Standard Rate Registration (from 21 June onwards)	On-site Registration
SDA Members Faculty of Dentistry Staff	<input type="checkbox"/> S\$ 162	<input type="checkbox"/> S\$ 216	<input type="checkbox"/> S\$ 324
Non-SDA Members	<input type="checkbox"/> S\$ 270		<input type="checkbox"/> S\$ 378

PARTICIPANT'S DETAILS

Please complete this form in BLOCK letters. A separate registration form must be used for each participant.

Full Name

DCR

Address
(if it is the office address, please indicate the name of the clinic / institution / company)

Email
(Mandatory)

Contact Office Mobile

Enquiry Tel 6258 9252 Fax 6258 8903 Email cde@sda.org.sg
Mailing Address Singapore Dental Association
320 Serangoon Road #10-13 Centrium Square Singapore 218108

PAYMENT MODE Cheque Fund Transfer PayNow

Payment can be by the following and please indicate the "DSP & DCR Number" for verification of the fund.

- 1) PayNow by UEN: S67SS0020A or scan QR code via the banking app
- 2) Internet banking to SDA UOB account number 213-309-005-5
- 3) Cheque payment payable to "Singapore Dental Association" with mailing address as follow Singapore Dental Association, 320 Serangoon Road, #10-13 Centrium Square, Singapore 218108
- 4) There will be **NO REFUND** for cancellations or absence.
- 5) Confirmation of registration will be upon receipt of payment and will be sent by email
- 6) Registration is subject to availability of seats based on **first-come-first-served** basis



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PROFESSOR DONALD TYNDALL

Optimizing Oral and Maxillofacial Imaging for the Practice of Dentistry

DATE:
Sunday, 16th July 2023

VENUE:
The Auditorium (Level 9)
National University Centre for Oral Health
9 Lower Kent Ridge Road Singapore 119085

ORGANISED BY:



CLICK THE LINK OR SCAN TO REGISTER:
<https://www.surveymonkey.com/r/7Z7KGL3>



PROGRAM SCHEDULE

TIME	PROGRAM
8.30am	REGISTRATION
9.00am	Fundamentals of Panoramic Imaging and Image Quality Improvement
9.40am	Cone Beam CT: What You Need to Know Selection criteria- When do you order CBCT and when do you not? Interpretation basics
10.30am	TEA BREAK
11.00am	CBCT anatomy: The Foundation of 3D Interpretation
11.45am	Basics of 2D and 3D interpretation: How to Increase Your Diagnostic Acumen
12.30pm	LUNCH
2.00pm	What to consider when purchasing a CBCT machine
2.30pm	Benign vs Malignant and How to Discern the Difference
3.15pm	Q & A
4.00pm	End of Programme

SPEAKER DETAILS



OPTIMIZING ORAL AND MAXILLOFACIAL IMAGING FOR THE PRACTICE OF DENTISTRY

BIOSKETCH

DONALD A TYNDALL DDS, MSPH, PHD, DIP ABOMR, FICD

Dr. Don Tyndall is Professor in the Division of Diagnostic Sciences at the UNC Adams School of Dentistry. Dr. Tyndall graduated from UNC-CH in 1973 with majors in Biology and Ancient history. He received his D.D.S. in 1980 from the UNC School of Dentistry, his M.S.P.H. in Environmental Sciences and Engineering in 1984 specializing in Health Physics and his Ph.D. in 1988 in Health Physics from the UNC Gillings School of Global Public Health.

Dr. Tyndall was the Director of Radiology for the School of Dentistry from 1988 to 2019. He was the creator of the UNC Adams School of Dentistry's graduate program in Oral and Maxillofacial Radiology and served as its director from 1993-2006. Currently he is serving as Director of the Oral & Maxillofacial Radiology Predoctoral Program. He is a Diplomate of the American Board of Oral and Maxillofacial Radiology and was a Director and past President from 1995-1999. Dr. Tyndall has twice served as the Councillor for Scientific Affairs and Public Policy on the Executive Council of the American Academy of Oral and Maxillofacial Radiology (AAOMR). From 2000-2006 he served on the Radiology Review Committee of the Commission on Dental Accreditation. Dr. Tyndall currently serves as President of the AAOMR. In addition, he is a Fellow in the International College of Dentists.

Dr. Tyndall currently serves on the Editorial Board of the Journal of the American Dental Association and is a member of the Journal of Endodontics Scientific Advisory Board as an expert in artificial Intelligence. He has also served as consultant to several dental imaging companies specializing in artificial intelligence, dental MRI, and intraoral tomosynthesis.

His research interests include artificial intelligence for radiologic diagnosis in 2D and 3D imaging, development of a novel multisource carbon nanotube x-ray system for cone beam CT units, 2D and 3D caries detection, applications of CBCT and stationary intraoral tomosynthesis (sLOT) in dentistry. His work as author or co-author has been published in more than 125 journal articles.

SYNOPSIS

Interpretation of radiographic imaging is fundamental to the practice of dentistry. This begins with producing good quality images and knowing what modality to use for which diagnostic task. Once a 2D image or 3D volume is obtained the clinician must then properly interpret the results, or if not trained or experienced enough, the clinician should know when to ask for help from a radiological expert.

2D or 3D interpretation begins with anatomy and a knowledge of pathoses that may occur in the field of view and ends with a review of the radiograph or volume and a determination of how to manage the patient based on what is revealed in the images. This course will address issues related to the above statements. A review of panoramic image quality and interpretation will be followed by what a clinician needs to know about cone beam CT including operating basics, applications, dosimetry, and selection criteria. A thorough overview of comparative 2D and 3D anatomy with the fundamentals of interpretation is designed to provide the clinician with the tools necessary for optimum understanding of what is revealed by the radiographic images or volumes. There will be an emphasis on how to discern the difference between benign and malignant conditions that may appear on a 2D image or 3D volume.

The last presentation will cover what the clinical needs to know prior to purchasing a CBCT system. When considering a CBCT system the clinician should know what to look for in purchasing one. It is important to optimize selection of a CBCT system in consideration of the type of practice environment in which it will be utilized. In summary this CE course will help the clinician to optimize oral and maxillofacial imaging for the practice of dentistry.