

# CONTINUING DENTAL EDUCATION

Schulich School of Medicine & Dentistry, Western University



## Limited Field-of-View Cone Beam CT Imaging for Dentists : Dr. TREVOR THANG

October 4-6, 2024  
(online and in-person)

### PROGRAM OUTLINE

This course will discuss the didactic and clinical components of owning, operating and interpreting cone-beam CT image volumes. This course will review radiation physics and biology concepts, discuss common radiologic pathoses that involve the jaws and provide simulated clinical CBCT training. This course meets the RCDSO educational requirements for dentists seeking authorization to order, take, interpret and report dentoalveolar (small field-of-view) CT (DACT) scans.

### LEARNING OBJECTIVES

**By the end of the course, participants will be able to:**

- Describe the basic physics of x-ray generation and attenuation;
- Discuss the risks of radiation to a radiation-phobic patient using sound scientific knowledge;
- Explain in lay terminology what a cone-beam CT is;
- Highlight normal and variation of normal anatomy on cone-beam CT volumes;
- Describe the disease mechanisms of common gnathic pathoses including inflammatory diseases, benign space-occupying lesions, malignancies, bone dysplasias, temporomandibular joints;
- Describe a region of interest using radiologic terminology and create a differential interpretation;
- Determine which technical factors are important when purchasing a cone-beam CT machine;
- Indications and contra-indications to the prescription of cone-beam CT;
- Understand the basics of image processing and writing a CBCT medical report;
- Navigate through a CBCT volume using different viewing modes.

### Pre-Requisite Knowledge:

Prior to attendance to this course, it is expected that all participants will be familiar with:

- Osseous head and neck anatomy.
- General radiographic interpretation principles (i.e. periphery, internal structure).
- Operating basic computer software (i.e. Zoom, internet browser, and file navigation)

### TUITION

	Until Sep 4	After Sep 4
Dentist	\$3,249	\$3,449

### TIMES

Web Portal Opens: 8:30 a.m.

#### Online Lectures:

Fri-Sat, October 4-5:

9:00 a.m. – 4:00 p.m.

One-hour break from : 12:00 p.m. – 1:00 p.m.

#### Hands-on & Exam:

Sunday, October 6:

9:00 a.m. – 3:00 p.m.

Continental breakfast, breaks & lunch included.

### METHOD OF DELIVERY

#### Live Zoom Webinar

A webinar link will be sent with the confirmation letter.

#### In Person Location

Ivey Spencer Leadership Centre  
551 Windermere Road  
London, Ontario N5X 2T1

**Computers with pre-installed software supplied during the hands-on session at no extra cost.**

### CREDITS

Category 2; MCDE 17;  
AGD Code 730; 14 hours

### ABOUT THE SPEAKER



**TREVOR THANG**, DDS, Dip. Oral Radiology, MSc, MRCD(C)

Dr. Trevor Thang is a Canadian board-certified oral and maxillofacial radiologist and is currently an Assistant Professor at the University of Toronto. He completed his specialty training at UofT in 2019 and since then, he has been a proud member of the Royal College of Dentists of Canada (RCDC) and a diplomate of the American Board of Oral and Maxillofacial Radiologists (ABOMR). He is passionate about understanding the mechanisms behind diseases and advancing dental education through innovative approaches.

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