CONTINUING DENTAL EDUCATION

Schulich School of Medicine & Dentistry, Western University

Limited Field-of-View Cone Beam CT Imaging for Dentists

Dr. Trevor Thang & Dr. Janet Jang

April 17-19, 2026
(online and in-person)

PROGRAM OUTLINE

This 3-day 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:

A. Describe the basic physics of x-ray generation and attenuation;

B. Discuss the risks of radiation to a radiation-phobic patient using sound scientific knowledge;

C. Explain in lay terminology what a cone-beam CT is;

D. Highlight normal and variation of normal anatomy on cone-beam CT volumes;

E. Describe the disease mechanisms of common gnathic pathoses including inflammatory diseases, benign space-occupying lesions, malignancies, bone dysplasias, temporomandibular joints;

F. Describe a region of interest using radiologic terminology and create a differential interpretation;

G. Determine which technical factors are important when purchasing a cone-beam CT machine;

H. Indications and contra-indications to the prescription of cone-beam CT;

I. Understand the basics of image processing and writing a CBCT medical report;

J. Navigate through a CBCT volume using different viewing modes.

This course has a 2-hour hands-on exam, the passing grade is 60%

Pre-Requisite Knowledge:

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

A. Osseous head and neck anatomy.

B. General radiographic interpretation principles (i.e. periphery, internal structure).

C. Operating basic computer software (i.e. Zoom, internet browser, and file navigation)

TUITION

$3,495

TIMES

Web Portal Opens: 8:30 am.

Online Lectures:

Friday, Apr 17: 9:00 am-4:00 pm
Saturday, Apr 18: 9:00 am-12:00 pm
Lunch break: 12:00– 1:00 pm

Hands-on & Exam:

Sunday, Apr 19: 9:00 am–3:00 pm
Lunch break: 12:00 – 1:00 pm

Continental breakfast, break & lunch included.

METHOD OF DELIVERY

Live Zoom Webinar (Apr 17, 18)

A webinar link will be sent with the confirmation letter.

In-person location (Apr 19)

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

Laptops with pre-installed software supplied to use for the hands-on session (Sunday) at no additional cost.

CE POINTS:

12 (Category 2); 12 hours

ABOUT THE SPEAKERS

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.

Janet Jang, DDS, MSc, Specialty Trained in OMR

Dr. Janet Jang earned her DDS from the University of Western Ontario and completed her MSc and specialty training in Oral and Maxillofacial Radiology at the University of Toronto. She is a Fellow of the Royal College of Dentists of Canada. Dr. Jang divides her time between a private oral radiology practice and part-time teaching in the undergraduate oral radiology clinic at the University of Toronto.

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