

## Cone Beam CT (CBCT) Program for Dental Assistants and Hygienists

LIMITED ENROLMENT

Dr. James Mah and Dr. Robert Langlais

### COURSE DESCRIPTION:

Cone Beam CT (CBCT) is one of the fastest growing technologies in dentistry, with approximately 100% growth per year since 2005. The applications of this technology span every dental discipline and specific functions in implant planning, TMJ, airway analysis and pathology. While there are courses on CBCT for dentists, there are very few available for dental assistants and hygienists. Yet, most offices rely upon the staff to be involved with the various aspects of CBCT imaging of patients. This program is designed to fulfill a need for continuing education on the topic of CBCT imaging, and includes practical information for the utilization of CBCT. Key topics include the fundamental technology behind CBCT, operational parameters, patient management and positioning strategies, data management and reformatting, radiation hygiene and dosimetry.

The program includes a lecture portion plus a 2 hour workshop for hands on training on 3-D visualization. Participants will be provided 3-D viewing software and practice cases to "walk through" with guidance from the presenter.

### OUTLINE:

1. What is Cone Beam Computed Tomography?  
Fundamentals of CBCT. Operational Parameters.
2. Patient Management and Positioning Strategies. Fields of view. Techniques to charged).

reduce motion artefacts

3. Clinical Examples of Utilization
4. Radiation Hygiene and Dosimetry
5. Hands-On Workshop  
(Participants will be required to carry a laptop (NO MACS), please ensure it is fully

**Dr. James Mah, DDS, MSc, DMSc**, is an Associate Clinical Professor at the University of Southern California and the University of Nevada, Las Vegas. At USC he is the Director of Redmond Imaging Center and the Director of the Craniofacial Virtual Reality Laboratory. Dr. Mah obtained his Bachelor of Science, Doctorate of Dental Surgery, Master of Science degrees and his Certificate of Specialization in Orthodontics from the University of Alberta, Canada. He graduated from Harvard Medical School with a Doctorate of Medical Science degree and completed a Post-Doctoral Fellowship in the Department of Orthopaedics at Children's Hospital, Boston. His current research has been focused on creating virtual 3-dimensional craniofacial patients upon which diagnosis, treatment planning and simulations can be performed.

**Dr. Robert Langlais, BA, DDS, MS, FRCD(C)**, is a Professor at the University of Texas Health Science Center at San Antonio, and the Director of the International Association of Dento-Maxillo-Facial Radiology (IADMF). His current areas of interest are Radiology and Oral Medicine. Dr. Langlais has presented over 500 courses and lectures in Oral and Maxillofacial Radiology and other topics in all continents of the world except Antarctica, and has over 120 scientific papers and has written eleven textbooks first edition. Currently most of his presentations are on the subject of cone beam CT. Dr. Langlais is also the National Consultant in dental radiology to the Surgeon General of the United States Air Force and holds the civilian military equivalent rank of Brigadier General. He also holds the rank of Commander (ret.) in the Canadian Navy Reserve.

## ADVANCE NOTICE

**SATURDAY**  
**JANUARY 28, 2012**  
DE 9345

### TUITION:

	Before Jan. 7	After Jan. 8
Hygienists and CDAs	\$ 195	\$225

Includes: continental breakfast, lunch and course materials.

### TIMES:

Registration starts:	7:30 am
Course commences:	8:00 am

### 8 hours of instruction

### LOCATION:

Lecture Hall #6, Instructional Resources Centre (IRC), UBC

### LAPTOP REQUIREMENT:

**Participants will be required to carry a laptop for this course. No Macs unless running Windows for Mac – must be a recent computer (no older than 5 years, due to graphic card requirements).**

### REGISTRATION APPLICATION

**Cone Beam CT (CBCT) Program  
for Dental Assistants and Hygienists**  
Saturday, January 28, 2012

<b>TUITION:</b>	<b>Before Jan. 7, 2012</b>	<b>After Jan. 8, 2012</b>
<input type="checkbox"/> CDAs	\$ 195	\$ 225
<input type="checkbox"/> Hygienists	\$ 195	\$ 225

Includes: continental breakfast, lunch and all course material.

Continuing Dental Education at the University of British Columbia designates this activity for 8 continuing education hours.



Continuing Dental Education at the University of British Columbia is an ADA CERP Recognized Provider. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry. Concerns or complaints about a CE provider may be directed to the provider or to ADA CERP at [www.ada.org/goto/cerp](http://www.ada.org/goto/cerp).

**DISCLAIMER:** Dental education institutions have an obligation to disseminate new knowledge related to dental practice. Some presentations may include controversial materials or commercial references. Sponsorship of a continuing education course by The University of British Columbia does not imply endorsement of a particular philosophy, procedure or product by The University of British Columbia.

**Cancellation Policy:** Limited Enrolment Courses requires a minimum of 15 days' notice for a full refund less \$50.00 administration fee. Cancellations made between 7 to 15 days prior to the first day of the program will receive a 50% refund. No refund will be granted for cancellations made less than 7 days prior to the first day of the program.

### PLEASE TYPE OR PRINT CLEARLY

D E 9345

Mr. \_\_\_\_\_  
 Ms. \_\_\_\_\_

Last Name First Name Initials

Mailing Address \_\_\_\_\_

City Province Postal Code

Daytime Telephone Number Fax No.

Email Address \_\_\_\_\_

BC College No. \_\_\_\_\_ Year of Grad \_\_\_\_\_

**Payment by Cheque:** Please make cheque payable to **The University of British Columbia** and forward to the following address: **Registration, Continuing Dental Education** The University of British Columbia, #105 - 2194 Health Sciences Mall, Vancouver, BC V6T 1Z3.

**If paying by credit card, please register online at [dentistry.ubc.ca/cde](http://dentistry.ubc.ca/cde)**

**To register online:**  
Go to [www.dentistry.ubc.ca](http://www.dentistry.ubc.ca), click on "Continuing Education" & "Register for a Course"

**To register by phone:**  
Local Calls 604-822-6156 or Long Distance (Toll Free) 1-877-328-7744