

CONTINUING PROFESSIONAL DEVELOPMENT  
DENTISTRY AND DENTAL HYGIENE



## PANORAMIC RADIOGRAPHS IN DENTISTRY – A SYSTEMATIC REVIEW: “IT’S NOT JUST ABOUT THE TEETH”

SATURDAY, SEPTEMBER 21, 2019

Room D25 Schwartz Theatre | Dr. Gerald Niznick College of Dentistry  
780 Bannatyne Ave. | Winnipeg, MB

UPTO  
3 HOURS CDE CREDITS  
(LECTURE AND HANDS-ON)

[cpd-umanitoba.com](http://cpd-umanitoba.com)



Artist: Sarah Piepgrass-Gander

Rady Faculty of  
Health Sciences



University  
of Manitoba



This program will be of interest to:

**Dentists, dental hygienists and dental assistants**

**FEE**

**Dentist: \$295**

**Dental hygienist: \$150**

**Dental assistant: \$110**

Continental breakfast will be provided

**REGISTRATION DEADLINE**

**September 13, 2019**

Register now:

Visit [cpd-umanitoba.com](http://cpd-umanitoba.com)

**PRESENTERS**

**Meredith Brownlee**, B.Sc., DMD, MDS, (OMFR), FRCD(C), Dip ABOMR

 **CLASS OF 2004**

Head and assistant professor, oral and maxillofacial radiology, department of dental diagnostics and surgical sciences, Dr. Gerald Niznick College of Dentistry

...and other staff from Dr. Gerald Niznick College of Dentistry

## **PANORAMIC RADIOGRAPHS IN DENTISTRY – A SYSTEMATIC REVIEW: “IT’S NOT JUST ABOUT THE TEETH”**

Panoramic radiography is a commonly used imaging modality in dental practice and can be a valuable diagnostic tool in the dentist’s armamentarium. However, the panoramic image is a complex projection of the jaws with multiple superimpositions and distortions, which may be exacerbated by technical errors in image acquisition. Furthermore, the panoramic radiograph depicts numerous anatomic structures outside of the jaws, which may create additional interpretation challenges.

Successful interpretation of panoramic radiographs begins with an understanding of the normal anatomy of the head and neck and how it is depicted in this image type. A systematic and repeated approach to examining panoramic radiographs will be reviewed to ensure that critical findings are not overlooked. Examples of challenging interpretations, including variations of anatomy, artefacts and disease, will be presented to illustrate these concepts.

**Component 1:** Lecture – Basic Principles of Panoramic Imaging (1 CDE credit for dentists, dental hygienists and dental assistants) will review the basic principles of panoramic imaging, including the physics of image capture, patient alignment issues, and anatomic landmark review.

**\*Component 2:** Lecture – Review on Interpretation of Panoramic Images (2 CDE credits for dentists and dental hygienists) will provide a systematic review of interpretation designed to retrain the mind to ensure the entire panoramic radiographic image is assessed for image quality, normal radiographic anatomy and pathologic changes. Specific case panoramic images will be presented for discussion. Participants are encouraged to submit their own panoramic images within two weeks of course date for group review.

**\*Component 3:** Hands-on clinical technique and patient positioning in the Ross McIntyre Digital Imaging Centre (2 CDE credits for dental hygienists and dental assistants) will provide participants with both demonstrations and practical experience in panoramic image exposure.

\*Components 2 and 3 are scheduled concurrently. An additional component 3 may be arranged if there is sufficient interest.

**Please contact Laura Friesen with your inquiries.**

## LEARNING OBJECTIVES

At the end of this educational activity, the participants should be able to:

### Component 1

- Understand the basic principles of panoramic radiography
- Understand the basic principles of the clinical technique and patient positioning for panoramic image acquisition

### Component 2

- Identify anatomical features of the panoramic radiograph
- Analyze the four regions of the panoramic radiograph systematically
- Perform interpretations of patient cases

### Component 3

- Calibrate appropriate patient positioning
- Calibrate radiographic technique to optimize panoramic image acquisition

## AGENDA

<b>8:30 a.m. – 9:00 a.m.</b>	Registration and continental breakfast
<b>9:00 a.m. – 10:00 a.m.</b>	Welcome and introductions Lecture: <b>Component 1</b>
<b>10:15 a.m. - 12:15 p.m.</b>	Lecture: <b>Component 2</b> Hands-on: <b>Component 3</b> (Group 1)
<b>12:15 p.m. – 12:45 p.m.</b>	Lunch break (on your own)
<b>12:45 p.m. – 2:45 p.m.</b>	Hands-on: <b>Component 3</b> (Group 2)



**Meredith Brownlee** completed her undergraduate dental training at the University of Manitoba in 2004 and received a master's degree in dental science in oral maxillofacial radiology at the University of Connecticut in 2014. She is a fellow of the Royal College of Dentists of Canada and a diplomate of the American Academy of Oral and Maxillofacial Radiology. Dr. Brownlee is a full-time assistant professor at the Dr. Gerald Niznick College of Dentistry and maintains a private practice.

# GENERAL INFORMATION

## REGISTRATION

Register online with AMEX, VISA or MasterCard at [cpd-umanitoba.com](http://cpd-umanitoba.com) or call 204-789-3562 to register by phone.

## REFUND POLICY

Registrants can receive a refund provided they give written notice no later than fourteen (14) days prior to the event. An administration fee of \$50 will be retained to cover staff costs of processing refunds and other costs associated with cancellations.

If written or verbal notice of withdrawal is received from a registrant less than fourteen (14) days prior to the date of the event requests for refund will be assessed on a case-to-case basis and are at the discretion of the Office of Continuing Competency and Assessment.

The University of Manitoba Office reserves the right to cancel or postpone any educational program due to an insufficient number of registrations. The decision to cancel will normally be made at least fourteen (14) days prior to the program date. Each registrant will be notified by email and provided with a full refund of all registration fees. The University of Manitoba is not liable for any loss, damages or other expenses that such cancellations may cause, including, but not limited to, non-refundable airline fares, hotel penalties or lost income.

## CANCELLATION

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## DISCLOSURE OF CONFLICTS OF INTEREST

In keeping with PACE criteria, instructors participating in our programs are required to disclose to the audience any involvement with industry or other organizations that may potentially influence the presentation of the educational material.

## CONTACT

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## ACCESSIBILITY

The University of Manitoba is committed to accessibility for persons with disabilities. To request accommodations, contact Laura Friesen at [Laura.Friesen@umanitoba.ca](mailto:Laura.Friesen@umanitoba.ca) in advance of your program.

## DISCLAIMER

CPD events are for educational purposes only for registered participants. Any unauthorized use, disclosure, distribution, or copying of any or all presentation content, materials, or images is strictly prohibited for all events including in-attendance or livestream lecture and hands-on courses.

The information presented in continuing education courses offered at the University of Manitoba are for educational purposes and not intended to supersede the professional judgement of participants in rendering patient care. Participants are cautioned about the dangers of incorporating techniques and procedures into their practices without adequate clinical experience.

Institutions of dental education have an obligation to disseminate new knowledge and training related to dental practice. Some courses may include controversial materials, philosophies of practice, or commercial references. When a company sponsors a continuing dental education course at the University of Manitoba, this does not imply that the University of Manitoba endorses a particular philosophy, procedure or product.

## STUDY CREDITS



This course is designed for **up to 3 hours** of Continuing Dental Education Credits. Rady Faculty of Health Sciences, University of Manitoba Nationally Approved PACE Program Provider for FAGD/MAGD

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