Fall 2021 – Winter/Spring 2022

CONTINUING PROFESSIONAL DEVELOPMENT

Dentistry and Dental Hygiene

cpd-umanitoba.com
Year at a Glance

Continuing Professional Development
Dentistry and Dental Hygiene

Competency-based programs with/without assessments that have lecture +/- hands-on component

Single or multi-day certification programs with assessments that have lecture +/- hands-on components

Lecture program of interest to all oral healthcare providers and business staff.

Certification Courses

**September 17-19, 2021 | March 18-20, 2022**
- Cone Beam Radiology Technique and Interpretation Certification for Dentists
  - Dr. Meredith Brownlee, Dr. Ingvar Fife, Dr. Idris Elbakri
  - 18 CE credit hours | Fee: $2645

**October 2, 2021 - NEW DATE: April 9, 2022**
- Oral Minimal Conscious Sedation for Dentists
  - *meets certification/compliance with MDA PBM Bylaw
  - Dr. Peter Nkansah
  - 6 CE credit hours | Fee: $495

**April 22-24, 2022**
- Local Anesthetic Technique for Dental Hygienists
  - Shannon Nichol
  - 45 CE credit hours | Fee: $1650

**May/June 2022, TBC**
- Restorative Techniques for Dental Hygienists
  - TBA
  - 110 CE credit hours | Fee: $6595

Online Lecture Series

3 CE credits per course

**Single course fee**
- Dentists $195
- Dental Hygienists $95
- Dental Assistants and other $65

**Bundle fee**
- Dentists $595
- Dental Hygienists $295
- Dental Assistants $195

*All courses, as applicable to designated professionals. To register for Bundle fee, contact Sandra.Iwankow@umanitoba.ca

November 6, 2021 | “Single course fee: $295
- Cone Beam Computed Tomography Imaging in Endodontics for the General Dentist”
  - Dr. Howard Fogel
  - Dentists

November 20, 2021
- Preparing for and Dealing with Challenging Interactions with Others in Health Care
  - Natalia Mozol, Patrick Burek, Dieter Schönwetter, Leah Deane
  - Dentists, Dental Hygienists, Dental Assistants, Other

January 15, 2022
- Review of Head and Neck Anatomy
  - Dr. Aleksandra Głogowska, Leilanie Clayton
  - Dentists, Dental Hygienists, Dental Assistants

February 5, 2022
- The Essentials of the Oral Pathology Experience
  - Dr. Vimi Mutalik
  - Dentists, Dental Hygienists, Dental Assistants

April 2, 2022
- Introduction to Botulinum Toxin and Dermal Fillers in Dentistry
  - Dr. Murray Fain
  - Dentists, Dental Hygienists, Dental Assistants

April 16, 2022
- Intro to Lasers and Their Uses in Cosmetic Dentistry
  - Dr. Les Rykiss
  - Dentists, Dental Hygienists, Dental Assistants

Competency-based CDE

Lecture and Lecture/Hands-on

**October 12, 2021 | March 12, 2022**
- Socket Preservation Technique for the General Dentist
  - Dr. Hoda Hosseini
  - 3 CE credit hours | Fee: $325

**February 19, 2022**
- Cone Beam Computed Tomography Radiology Technique for Dental Hygienists and Dental Assistants
  - Dr. Sunil Mutalik
  - 6 CE credit hours | Fee: $495

Coming soon - CDE On Demand

**Open registration TBA**
- Professionalism and Ethics in Dentistry
  - Dr. Patricia Ling

**Open registration TBA**
- Record Keeping and Documentation in Dental Offices
  - Dr. Marcel Van Woensel

For a full list of courses and registration instructions, go to cpd-umanitoba.com/event

Subscribe to our e-news on cpd-umanitoba.com/about-us and receive updates on all upcoming courses and programs delivered right to your inbox.

Questions? Email us for more information: Sandra.Iwankow@umanitoba.ca or Nancy.Auyeung@umanitoba.ca
Welcome back to Continuing Professional Development (CPD) at the University of Manitoba (UM)!

As I am writing this message, Canada as well as many parts of the world are continuing the battle against the pandemic and with the implementation of mass vaccination on a global level, we are hopeful and looking forward to better and brighter days in the future.

In the spirit of resilience and to support lifelong learning, UM is committed to providing innovative ways to deliver programs by implementing safety protocols and engage technologies to respect and safe-guard our learners during these challenging times. In this year’s calendar of events, CPD has continued with a strategic focus on the development of programs that are competency-based continuing dental education (CDE) to help dental practitioners build and support their skill sets for practice. Clinical competence can be defined as a set of knowledge, skills and abilities exhibited by a care provider that complies with a standard of practice in the course of patient care. In supporting dental practitioners to strive for excellence in clinical competence, CDE programs will be offered in digital and hybrid formats supported by interactive tools that enable teacher-learner interactions combined with in-person hands on training, as applicable. Though aspects of course delivery may be different, the concept of didactic combined with direct hands-on instruction remains the gold standard in achieving competence as you did so in your dental training.

**What’s new?**

This year, CPD is offering a diverse brochure of events that includes our highly-recognized and sought-after competency-based certification programs as well as newly developed online CDE as well as CDE On Demand. Competency-based courses enable learners to build upon their knowledge and clinical skills to expand their scope of practice.

Certification courses are developed to meet the competency requirements of dental regulatory authorities, as applicable. The online CDE Lecture Series has been developed to address access to learning issues and provide greater opportunities for education that better suits the individual learner. Learners may opt to select courses individually and for those who seek CDE on a span of dental topics, we are offering an online lecture series bundle fee which provides all the online courses, as applicable to designated dental professionals. Keep an eye out for CDE On Demand, online courses offered asynchronously, i.e. available for registration on a 24/7 basis to suit your busy schedule.

Come back to the university setting where your educational journey began or initiate a new beginning – the University of Manitoba will be the foundation to support you on your path to practice success! As September approaches, the UM campuses will cautiously re-open operations and programs with the health and safety of all as a priority. Please take a moment to review this year’s course brochure of events and I encourage you to complete our online survey to let us know how CPD can further support your continuing dental education needs.

Let us look to brighter days and renew our vigor for lifelong learning! I look forward to learning together!

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**Nancy Auyeung**

B.Sc. (Dent), DMD

Director, Continuing Professional Development for Dentistry & Dental Hygiene
Our instructors

Excellence in education begins with excellent teachers. The presenters are trained academic educators and leaders in their fields, chosen for their outstanding skills and expertise!

Meredith Brownlee  
DMD, B.Sc., MDS, (OMFR), FRCD(C), Dip. ABOMR  
Dental specialist in oral maxillofacial radiology with private practices in Manitoba and Ontario.

Patrick Burek  
BFA MA, Med Counselling Psychology  
Academic presenter for University of Manitoba.

Leilanie Clayton  
B.Sc., M.Sc.  
Main pro-sector in the Human Anatomy and Cell Science, Max Rady College of Medicine.

Leah Deane  
BA, MSW, RSW  
Director of Student Services at UM’s Bannatyne campus, providing confidential and private support to all Rady Faculty of Health Sciences learners.

Idris Elbakri  
PhD, MCCPM  
Assistant professor, radiology, Max Rady College of Medicine; imaging physics, CancerCare Manitoba.

Murray Fain  
DMD, FRCD(C)  
Oral maxillofacial surgeon with a private practice in BC, focusing on facial cosmetic and reconstructive surgery. Has held faculty positions at both UM and the University of British Columbia.

Howard Fogel  
DMD, MS, FRCD(C), FICD  
Instructor for 35 years at the Dr. Gerald Niznick College of Dentistry, past president of the Canadian Academy of Endodontics; private practice in Winnipeg, MB.

Ingvar Fife  
PhD, CRadP, CSc, MIPEM  
Assistant professor, radiology, Max Rady College of Medicine; adjunct professor, physics and astronomy, Faculty of Science; head, radiation protection and imaging physics, medical physics, CancerCare MB.

Aleksandra Glogowska  
PhD  
Faculty member in Human Anatomy and Cell Science; academic instructor at Max Rady College of Medicine and Dr. Gerald Niznick College of Dentistry.

Hoda Hosseini  
DMD, MDent (Perio), FRCD(C)  
Board certified periodontist with a private practice with special interests in esthetics and functional rehabilitation; sessional clinical instructor at the Dr. Gerald Niznick College of Dentistry; executive member of the Canadian Academy of Periodontists.

Natalia Mozol  
MA Counselling Psychology CCC  
Counselling background includes working in post-secondary, mental health, community and disability settings.

Sunil Mutalik  
BDS, MS, MDS, FRCD (C)  
Dental specialist in oral maxillofacial radiology; sessional faculty, Dr. Gerald Niznick College of Dentistry; maintains private practice in Winnipeg, Manitoba.

Vimi Mutalik  
BDS, MDS, MS, Dip ABOMP  
Assistant professor, oral pathology, dental diagnostic and surgical sciences, Dr. Gerald Niznick College of Dentistry.

Shannon Nichol  
Dip. DH, RDH  
Sessional clinical instructor, Dr. Gerald Niznick College of Dentistry; maintains private practice as a registered dental hygienist in Winnipeg.

Peter Nkansah  
MSc, DDS, Dip. Anaes., FADSA, Specialist in Dental Anaes (ON), FFPA, FACD  
Certified specialist in dental anesthesia; maintains a private practice at Sleep for Dentistry in Toronto, Ontario; assistant professor, Faculty of Dentistry, University of Toronto; course director for intravenous conscious sedation continuing dental education, Western University (Canada); course director for Advanced Cardiac Life Support program, Sunnybrook Health Sciences Centre; team dentist for Toronto Raptors, the Raptors 905, the Toronto FC, and the University of Toronto Varsity Blues.

Lorraine Reinfot  
RTR  
Staff, Ross McIntyre Dental Imaging Centre, Dr. Gerald Niznick College of Dentistry.

Les Rykiss  
DMD, dip. ABAD, FASDA, FIADFE, FICD  
General dentist in private practice, Winnipeg; current editor for Oral Health Dental Journal; past president of Alpha Omega Dental Fraternity; past clinical instructor, Dr. Gerald Niznick College of Dentistry.

Dieter Schönwetter  
BTh, BA, MA, PhD  
Director of Student Affairs and Academic Services at the Dr. Gerald Niznick College of Dentistry, University of Manitoba.
CONE BEAM RADIOLOGY TECHNIQUE AND INTERPRETATION CERTIFICATION FOR DENTISTS

FRIDAY, SEPTEMBER 17 – SUNDAY, SEPTEMBER 19, 2021*
OR FRIDAY, MARCH 18, 2022 – SUNDAY, MARCH 20, 2022*

For general dentists and dental specialists alike, the emerging world of three-dimensional (3D) imaging can be an exciting yet overwhelming venture. Although incorporating this technology into the dental practice can prove to be a challenge, it can reward the practitioner with the advantages of visualizing regions of interest without distortion or superimposed anatomical structures.

This three-day certification course in cone beam computed tomography (CBCT) taught by experts from oral and maxillofacial radiology and radiation protection and imaging physics, is the first CBCT certification program taught within the province.

The program will include a didactic portion and a hands-on clinical portion that utilizes the CBCT in the Ross McIntyre Digital Imaging Centre at the University of Manitoba, Dr. Gerald Niznick College of Dentistry. The didactic component will span Friday and Saturday and will thoroughly explore the principles of CBCT imaging technology. This broad scope of topics will educate general practitioners and dental specialists in the realm of oral radiology and the use of the CBCT in their practice, as well as emphasize the responsibilities of the clinician inherent in utilizing this imaging modality. The Sunday morning session will encompass an interpretation seminar with discussion of patient cases. In the afternoon, the attendees will gain experience exposing CBCT images, and attend a mini-seminar on the manipulation of the images in the third-party 3D software.

Upon successful completion of written assessment, participants will be issued a certificate of completion.

Learning objectives
Upon completion of this course, participants will be able to:

• Integrate the principles of CBCT into their clinical dental practice
• Apply the clinical indications for CBCT radiography and explore CBCT applications
• Identify appropriate patient selection criteria and radiographic image prescription
• Recognize the detrimental biological effects of ionizing radiation and weigh them against their benefits
• Quantify radiation dosimetry
Dental anxiety is an unfortunate reality for many Canadians. While there are a number of ways to address this situation for patients, one of the most effective is the use of oral sedatives.

There are a number of categories of medications available for this purpose, including benzodiazepines, antihistamines, “natural” sleep aids (e.g. melatonin, chamomile), and a host of others. One of the keys in the management of dentally anxious patients is, for dentists, to learn to make the safest and most effective pharmacologic choices for them.

This course will focus on how to recognize patients that might benefit from minimal conscious sedation; that is, relaxation that allows patients to independently maintain their own airway while making their dental experience less frightening. Patients in this state can ask and answer questions during their appointment.

Upon successful completion of a written assessment, participants will be issued a certificate of completion.

Learning objectives
At the end of the course, participants should be able to:
- Review provincial sedation bylaws
- Conduct appropriate patient selection and assessment
- Understand sedative medication pharmacology
- Understand oral sedation protocols
- Recognize and manage sedation emergencies
LOCAL ANESTHETIC TECHNIQUES
CERTIFICATION FOR DENTAL HYGIENISTS
FRIDAY, APRIL 22, 2022 – SUNDAY, APRIL 24, 2022*

This course is designed for dental hygienists who would like to become competent in the administration of both block and infiltration local anesthesia. Emphasis is placed on the mechanisms of pain and a thorough understanding of the pharmacology of drugs used in dentistry and their interactions with the patient’s current medical conditions and medications. The participants are required to do a home self-study component prior to the three-day course. A pre-clinical examination on day one of the course will be administered which has a passing grade of 70 per cent. During days two and three, participants will receive over the shoulder coaching as they administer local anesthesia on each other. Upon successful completion of the written and clinical competency examination at the end of the program, participants will be issued a certificate of completion.

Learning objectives
At the end of the course, participants should be able to:

• Discuss the mechanism of pain including its generation, perception, sources and classifications
• Discuss both traditional and non-traditional methods of pain control
• Identify the anatomy of the head and neck as it pertains to the administration of anesthetic agents
• Discuss the significance of the medical history as it relates to the administration of anesthetic agents
• Describe the pharmacology of dental anesthetics and vasoconstrictors, including adverse reactions, side effects and contraindications
• Administer local anesthesia safely utilizing acceptable infiltration and block anesthetic techniques
• Identify the landmarks, site depth of penetration and anatomy anesthetized for all injections
RESTORATIVE TECHNIQUES CERTIFICATION FOR DENTAL HYGIENISTS
MAY/JUNE 2022*

Designed specifically for dental hygienists, participants of this course will acquire the necessary knowledge and skills to place technically-sound and clinically acceptable dental restorations using a variety of restorative materials. In preparation for the course, registrants must complete a six-week self-study period using the required textbook and laboratory manual. Participants will receive prepared model teeth, to practice restorative techniques using armamentarium and supplies (amalgam and composite) available in their usual practice settings. On the first day of the course, participants will submit their restored models for evaluation and feedback. The three-week course is comprised of pre-clinical lectures and lab work during the first week, followed by two weeks of rotation at a community dental clinic where participants restore teeth prepared by a dentist during the live patient care, alternating with lab time to refine technique. Participants of this course will be evaluated for both their knowledge and competency in placing clinically acceptable dental restorations (amalgam and composite). Passing grade for this evaluation is 70 per cent.

Learning objectives
At the end of the course, participants should be able to:
• Fabricate and safely place clinically and cosmetically acceptable permanent restorations, involving but not limited to:
  • Selection of patient-appropriate materials
  • Matrix system placement
  • Anatomy reformation
  • Retraction cord placement
  • Esthetic considerations
  • Occlusal adjustment
  • Polishing/finishing of restorations
• Fabricate and place clinically acceptable temporary restorations
• Assess the integrity and the appropriate procedures and techniques involved in the placement of implant supported prosthetics
• Recognize and prevent errors and potential complications associated with dental restorations
• Determine the most appropriate pain management for individual restorative procedures
• Describe theories related to the protection of the pulp through the use of liners and bases, and placing liners and bases
• Incorporate necessary personal protective equipment for both the clinician and patient during restorative dental procedures
• Utilize four-handed techniques while performing restorative procedures
Bone loss after extraction is inevitable. There is significant reduction in the available bone volume within the first three months post-extraction.

If not managed at time of extraction, this loss in volume may necessitate extensive bone graft surgery to create an optimal site before dental implant placement. This will lead to additional surgery, time required for healing, and cost. These factors may ultimately discourage the patient from choosing an implant as an option.

This hands-on lecture will provide the learner with the knowledge and clinical skills to offer ridge preservation as a treatment option in an efficient and effective manner for patients.

Learning objectives
Upon completion of this course, participants will be able to:

• Understand the principles of ridge preservation and its indications for treatment
• Understand the stages and timeline of bone and soft tissue healing
• Understand the rationale in material selection and its appropriate use
• Learn a new clinical skill and be ready to implement it the next day at your practice
The advent of cone beam computed tomography (CBCT) has revolutionized the dental imaging. Most dental clinics that perform surgical procedures employ CBCT in their practice. The image acquisition is mostly performed by the hygienists and dental assistants. It is important to recognize that the dose from CBCT is almost four to eight times greater than that of a panoramic radiograph depending on the field of view and exposure parameters. The higher radiation dose also increases chances of radiation risk. Adolescent and pediatric populations are at greater risk than adults as they are undergoing active cellular growth and organ development. The machines, however, provide operator with different technique modifications to reduce the dose. The image quality is another important aspect of the CBCT imaging. It is very important to maintain highest quality of images for clinical tasks such as endodontic retreatments, minor oral surgical procedures and certain implant evaluation.

The participants of this course will have opportunity to work on CBCT machine at Ross McIntyre Digital Imaging Centre at the University of Manitoba, Dr. Gerald Niznick College of Dentistry. The participants will be taught how to optimize the dose and subtle technique modifications to avoid artifacts and practice radiation safety that are inherent to CBCT imaging. Self study reading materials may be provided prior to course date.

Learning objectives
Cone beam CT

**Didactic:**
- Explain the principles of CBCT and radiation safety
- Discuss radiation exposure from CBCT in relation to other imaging modalities
- Discuss theory behind image acquisitions and related instrumentation
- List advantages and limitations of CBCT imaging
- List common indications of CBCT imaging in maxillofacial region

**Hands-on:**
- Demonstrate patient positioning appropriate modification of imaging parameters for optimal CBCT imaging
- Recognize common errors in CBCT imaging and correct them
Endodontic diagnosis depends, in part, on radiographic assessment. Endodontic treatment is guided by radiographic images. Intraoral and panoramic radiography have the limitation of providing two-dimensional representations of three-dimensional anatomic structures. These technologies have been augmented by the introduction of limited field of view, high-resolution Cone Beam Computed Tomography (CBCT). The advent of CBCT has made it possible to visualize the dentition, the maxillofacial skeleton, and the relationship of anatomic structures in three dimensions. CBCT allows three-dimensional assessment of odontogenic and non-odontogenic lesions, root and canal morphology as well as root and alveolar fractures and resorptive lesions. This aids in diagnosis and treatment planning for both non-surgical and surgical endodontic treatment.

This course is based on the Updated Joint Position Statement of the American Association of Endodontists and the American Academy of Oral and Maxillofacial Radiology. It will provide scientifically based guidance to clinicians regarding the use of cone beam computed tomography in endodontic diagnosis and treatment.

This course is designed to teach and update dentists how to systematically review 3D CBCT data to maximize imaging diagnosis in endodontics. Lecture and cases will cover evidence-based practice techniques, focusing on advanced 3D navigation of small field of view, high resolution CBCT volumes.

Endodontic diagnosis and treatment can be challenging and complex—but those challenges can be overcome with knowledge, understanding and confidence.

**Learning objectives**

At the end of the course, participants should be able to:

- Justify the use of 3D imaging in endodontics
- Be familiar with navigation of 3D volumes
- Appreciate the use of CBCT in the assessment of root and canal morphology
- Understand the use of CBCT in the detection and diagnosis of periapical lesions
- Recognize the usefulness of CBCT in nonsurgical and surgical endodontic treatment planning
- Understand diagnosis and detection of resorptive defects
- Be aware of the benefits and limitations of CBCT for the detection of cracked teeth and vertical root fractures

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**UP TO 3 HOURS CDE CREDITS (LECTURE)**
AGD Subject Code 070

**Fee**

Dentist: $295 single, $595 Bundle

**Course Instructors**

Howard Fogel, DMD, MS, FRCD(C), FICD
Diplomate of the American Board of Endodontics

**REGISTER NOW**
PREPARING FOR AND DEALING WITH CHALLENGING INTERACTIONS WITH OTHERS IN HEALTH
SATURDAY, NOVEMBER 20, 2021 | 10:00 – 11:30 AM

Natalia, Patrick, Dieter and Leah combine their expertise in counseling, social work and psychology to offer a webinar that will prepare faculty, staff, and students who deal with challenging situations when working with people, specifically clients and patients. As the result of attending the “flipped” webinar, participants will receive a set of tools to strengthen the care of patients, students, and dental colleagues.

Format of this session:
- 120 minute pre-training video completed prior to the “live” session.
- 90 minute “live” session applying the pre-training to real client/patient cases

Learning objectives for the pre-training session:
Upon completion of the pre-training 120 minute asynchronous video course, participants will be able to:
- Define challenge
- Describe the dynamics and patterns involved in a challenging encounter and how these are fueled to go on
- List the types of common challenging encounters
- Distinguish the difference between a challenging person and a challenging encounter
- List, describe and apply the tools for dealing with challenging encounters
- Describe the significance of body language and the importance of boundaries
- Describe the SOAP-F model and apply it to cases

Learning objectives for the “live” session:
Upon completion of the “live” session, participants will be able to:
- Apply the principles and best practices to real client/patient cases in small groups.
REVIEW OF HEAD AND NECK ANATOMY
JANUARY 15, 2022

This course is aimed to provide a dense anatomical review related to the structures of the oral cavity. Perfect for any person working in the dental profession, the main objective of this course is to stress the importance of anatomical structures and use them as landmarks in dental practice, thereby bridging both subjects.

Included in the studies are; function of facial expression muscles in movement of the oral vestibule, importance and location of salivary glands, and the connection of oral cavity with fascias of neck and thorax to explain possible spread of infection.

The use of 3D anatomical software and cross-sectional imaging related to radiological images used in dental clinics, will give the student a complete and in depth understanding of the anatomy of the head and neck. Along with professionally prepared anatomical human specimens accompanied by a knowledgeable instructor will enable the participants to take part in a blended lab setting creating a great learning environment to simply absorb, discuss and review.

Learning objectives
At the end of the course, participants should be able to:
• Describe dental anatomy of oral cavity and relate to dental practice
• Identify and implement the normal landmarks of the oral cavity
• Identify the anatomical structures of the head and neck including bones, dental cranial nerves, arterial/venous blood supply and lymphatics and describe the relevance of these structures in dental practice
• Recognize oral cavity structures

UP TO 3 HOURS CDE CREDITS
(LECTURE)
AGD Subject Code 010

Fee(s)
Dentist: $195 single, $595 Bundle
Dental hygienist: $95 single, $295 Bundle
Dental assistant: $65 single, $195 Bundle

Course Instructor
Dr. Aleksandra Glogowska, PhD
Leilanie Clayton, B.Sc., M.Sc.

REGISTER NOW
THE ESSENTIALS OF THE ORAL PATHOLOGY EXPERIENCE
FEBRUARY 5, 2022

This course will present an interesting potpourri of a wide range of oral pathology cases from my practice in Winnipeg. It covers a variety of conditions encountered in general and specialty dental practices. General dentists, dental hygienists, dental assistants, specialists, denturists, ENT physicians and even family physicians encounter oral lesions in their day-to-day clinical practice. Recognition and further management of these conditions is extremely vital as the level of significance/seriousness varies from one lesion to another.

Therefore, this course aims to provide a detailed overview of the etiology, clinical features, histopathological features and differential diagnosis for some of the routinely encountered lesions from my oral pathology practice in Winnipeg. This course will also address some of the important aspects of oral pathology referrals. We expect it to provide a clear guide for clinicians in formulating a differential diagnosis, which further leads to appropriate treatments and referrals if indicated.

Learning objectives
At the end of the course, participants should be able to:
• Recognize the lesions of the oral cavity that is commonly referred to an oral pathology practice
• Analyse and determine when and how to make a referral to an oral pathologist
• Identify a differential diagnosis for these lesions of the oral cavity
• Identify the commonly employed diagnostic and management strategies for these lesions of the oral cavity
Injectable substances have been used to treat certain clinical entities as well as enhance cosmetic outcomes. Botox was used early by ophthalmologists, Jean and Alistair Carruthers in the late 1980’s and was approved for cosmetic use in 2002. Its use was pioneered in 1978 for blepharospasm by Dr Alan B. Scott then expanded by the Carruthers for cosmetic use. Botox has been used both cosmetically and therapeutically to treat both the muscles of facial expression as well as the masticatory muscles in temporomandibular dysfunction. As its use has become more and more popular, various health practitioners have been involved in its delivery depending on local jurisdictions. Understanding the injectable substance and the anatomy that it is being injecting into will aid in improving outcomes and help to prevent complications. Knowing the mechanism of action of the drug will help to educate patients so they can understand what the injectables can do, and more importantly, what their limitations are. The material itself is delicate and expensive (most expensive substance on earth by weight), and it is delicate to mix. Instructions on this aspect will be demonstrated as it improves clinical response. Injectables also include fillers and the lipolytic deoxycholic acid, Kybella. Scope of practice is dictated by provincial regulatory bodies that determine which professional group can administer those substances. These guidelines will be covered to determine practitioner eligibility in Manitoba.

**Learning objectives**

At the end of the course, participants should be able to:

- Understand the therapeutic uses of Botulism toxin within the maxillofacial region
- Anatomic comprehension of where the injections are aimed and what structures to avoid
- Know the risks and complications of injecting Botox
- Have a basic understanding of other injectables
- Identify the commonly employed diagnostic and management strategies for white lesions of the oral cavity
INTRO TO LASERS AND THEIR USES IN COSMETIC DENTISTRY
SATURDAY, APRIL 16, 2022 | 9:00 AM – 12:00 PM

Creating beautiful smiles can be somewhat challenging when faced with replacing missing teeth, malpositioned teeth, gummy smiles and much more. Fortunately, technology, specifically hard and soft tissue lasers, can make our jobs that much easier and efficient.

This course will highlight the many uses of hard and soft tissue lasers in creating beautiful smiles. The differences and similarities between hard and soft tissue lasers will be discussed. As well, the benefits of each type of laser will be highlighted for specific challenges we face in esthetic dentistry. Specific areas where lasers can be used to facilitate dramatic changes will be highlighted. Several case studies will be covered with step-by-step uses of both hard and soft tissue lasers to achieve a harmonious and balanced smile. Specifically, minor gingivectomy, closed flap crown lengthening, ovate pontic formation, implant emergence profile augmentation, and more. Cosmetic changes that can be made to teeth using the newest and best ceramic materials and techniques will also be discussed.

At the end of this lecture, all attendees should be able to identify when, which type of Hard or Soft tissue lasers can be used, and which will be most beneficial in cosmetic Dentistry, as well as having a thorough understanding of minimal preparation to more aggressive preparations in order to get the desired results.

Learning objectives
At the end of the course, participants should be able to:
• Explain the differences between hard and soft tissue lasers
• Recognize when each laser should be used
• Recognize types of materials and preparations to teeth to achieve desired results
Established in 2015, Continuing Professional Development Dentistry and Dental Hygiene (CPD) was a division of the Office of Continuing Competency and Assessment (CCA), Rady Faculty of Health Sciences (RFHS), University of Manitoba.

The CCA’s vision: Health professional excellence through lifelong learning.

The CCA’s mission: Enable health professionals to meet the needs of communities with high quality education and assessment programs.

Continuing Professional Development (CPD)’s mandate: Provision and accreditation of educational activities that maintain and develop the knowledge and skills of health professionals, including the support of interprofessional collaborative practice.

Due to recent restructuring of all CPD units within the RFHS, CPD Dentistry and Dental Hygiene comes home to and operates under the umbrella of the Dr. Gerald Niznick College of Dentistry.

As CPD strives to support dental professionals who seek excellence in education, we look to the dental community to help us develop continuing dental education programs that are competence-driven and relevant to dental practice.

Completing this survey will only take five minutes. Your feedback is valuable in helping CPD develop quality continuing education courses that support your practice in dentistry.

Let’s learn together!!

TAKE THE SURVEY
General information

REGISTRATION
Online Registration (AMEX, VISA or MasterCard):
https://www.cpd-umanitoba.com

*COVID-19 STATEMENT
We are monitoring public health and provincial government directives, with the health and safety of our dental and public community at the forefront. The progression of the pandemic situation and the guidance provided by national and provincial health authorities may allow some in-person classes to go ahead in the fall. Please continue to check our website at cpd-umanitoba.com and join our mailing list to remain updated on any course changes. Registrants will be notified, by email, of any course changes that may be necessary due to the COVID-19 pandemic.

REFUND POLICY
Generally, a registration fee refund may be granted upon written request 14 days prior to the start date of the course; however, an administration fee will be retained. Please refer to each specific event brochure for exact details.

If written notice of withdrawal is received from a registrant less than fourteen (14) days prior to the date of the event, requests for refunds will be assessed on a case-to-case basis and are at the discretion of the Director of Continuing Professional Development, Dentistry and Dental Hygiene.

CANCELLATION
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 generally be made at least fourteen (14) days prior to the program date. Please refer to individual event/course registration pages for cancellation policies specific to each course prior to registration.

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.

DISCLOSURE OF CONFLICTS OF INTEREST
In keeping with accreditation guidelines, 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.

CONFIDENTIALITY OF COURSE CONTENT
Distribution, disclosure and sharing of any or all course content that includes, but not limited to, information, images and video materials presented and provided prior to, during and after educational events are strictly prohibited and will be subject to consequences in breaching intellectual property privacy and confidentiality legislation.

DISCLAIMER
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ACCESSIBILITY
The University of Manitoba is committed to accessibility for persons with disabilities. To request accommodations, contact Dr. Nancy Auyeung at Nancy.Auyeung@umanitoba.ca at least 6 weeks in advance of your program.

PROGRAM APPROVAL FOR CONTINUING EDUCATION (PACE)
These activities have been planned and implemented in accordance with the standards of the Academy of General Dentistry Program Approval for Continuing Education (PACE)

Rady Faculty of Health Sciences,
University of Manitoba
Nationally Approved PACE Program Provider for FAGD/MAGD credit.
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The current term of approval extends from July 1, 2018 to June 30, 2022.
Provider ID# 214210

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