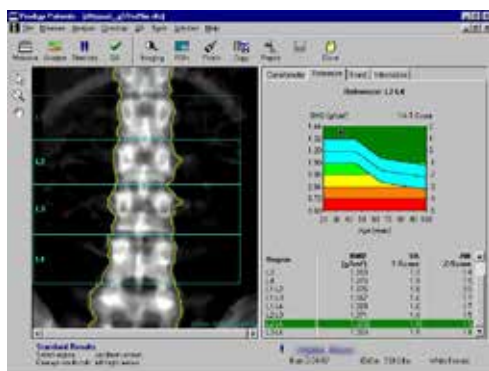


OAR CBMD Accredited Densitometry Technologist (ADT) CME 2018

Course Director: David Lyons, MD FRCPC

"This course will be of interest to Medical Radiation Technologists providing BMD services."



Overall Course Objectives:

At the end of this event, participants through didactic lectures and workshops, should be able to:

- Describe the fundamentals of radiation safety and quality control as it applies to DXA; the importance of quality assurance and quality control and elements of a QA/QC program for densitometry
- Discuss the vital role of the medical physicist in on-site and on-going quality assurance of equipment and technologists, and for the independent validation of results
- Develop knowledge and understanding of the critical importance of accreditation to facilitate BMD scans that are accurate, and which support the reporting physician in generating a report that accurately reflects patient's bone health
- Develop knowledge and understanding of the critical importance of implementing the Canadian Association of Radiologists' Technical Standards for Bone Mineral Densitometry Reporting 2013 as it applies to the performance of DXA
- Have an understanding of the complexities encountered in the performance and reporting of Paediatric DXA
- Identify the common errors encountered in the performance of DXA, as identified through the CBMD facility accreditation program to facilitate DXA scans that accurately reflect the patient's bone mass; identify common positioning mistakes; describe and demonstrate positioning techniques used to correct positioning errors and recognize and "Trouble-Shoot" unusual cases/situations
- Understand and demonstrate the technologist's responsibility for QA/QC within the facility and recognition of the importance of precision and why it is critical in determining the validity of interval change in bone mass
- Recognize the importance of a well-documented osteoporosis questionnaire that will allow the reporting imaging physician to accurately report 10-year absolute fracture risk. (The technologist must have an understanding of the risk factors that lead to bone loss in men and women; the importance of fragility fractures and what a fragility fracture is; and knowledge of the treatment options for patients at high-risk for fracture.)



SCHEDULE:

Saturday, May 26	
07:00 – 07:30	Registration & Hot Breakfast
07:30 – 07:40	Opening Remarks & The Importance Of CBMD Facility Accreditation Program <i>Dr. Giuseppe Tarulli</i>
07:40 – 08:30	CBMD Facility Accreditation: Setting the Standard <i>Dr. David Lyons</i>
08:30 – 09:10	DXA Scanners: Principles of Operation & Changing Technologies And The Impact on BMD Determination & Quality Control <i>Dr. Peter Raaphorst</i>
09:10 – 09:55	Quality Control And Policies And Procedures: The Technologist & The Physicist's Visit <i>Dr. Peter Raaphorst</i>
09:55 – 10:10	Interactive Q & A Session With ARS <i>Dr. Peter Raaphorst</i>
10:10 – 10:50	Equipment Changes/Cross-Over Precision <i>Mr. Peter O'Brien</i>
10:50 – 11:05	Morning Break
11:05 – 11:35	Radiation Safety And Quality Control <i>Mr. Peter O'Brien</i>
11:35 – 11:50	Interactive Q & A Session With ARS <i>Mr. Peter O'Brien</i>
11:50 – 12:00	Q & A Session – All Speakers
12:00 – 13:00	Positioning Workshop & Scan Acquisition <i>Ms. Terry Corbett & Ms. Carrie Orr-Lusk</i>
13:00 – 13:50	Lunch
13:50 – 14:30	Paediatric BMD: The Big Challenge Of Little Bones <i>Ms. Mandy Kohli</i>
14:30 – 15:30	Technical Pitfalls In The Performance Of DXA <i>Ms. Terry Corbett & Ms. Carrie Orr-Lusk</i>
15:30 – 15:45	Q & A Session – All Speakers
15:45 – 16:00	Afternoon Break
16:00 – 16:30	The Facility Accreditation Application <i>Ms. Terry Corbett</i>
16:30 – 17:00	Panel Discussion: Answers To Submitted Questions – All Speakers
Sunday, May 27	
07:00 – 07:30	Registration & Hot Breakfast
07:30 – 08:15	CAR Technical Standards for Bone Mineral Densitometry Reporting 2013 <i>Dr. Nimu Ganguli</i>
08:15 – 09:15	The Osteoporosis Questionnaire <i>Dr. Ian Hammond</i>
09:15 – 09:45	Interactive Q & A Session With ARS <i>Dr. Nimu Ganguli & Dr. Ian Hammond</i>
09:45 – 10:00	Morning Break
10:00 – 10:45	What Is A Fragility Fracture? <i>Dr. Ian Hammond</i>
10:45 – 11:00	Interactive Q & A Session With ARS <i>Dr. Ian Hammond</i>
11:00 – 11:30	The ADT Practicum: What Is Required & What Not To Do! <i>Ms. Terry Corbett</i>
11:30 – 11:45	Q & A – All Speakers
11:45 – 12:30	Lunch
12:30 – 14:30	Basic Principles: Interactive Q & A Session <i>Dr. David Lyons</i>
14:30 – 15:00	Q & A Panel Review – All Speakers
15:00 – 15:15	Exam Instructions
14:20 – 16:20	ADT Written Exam <i>Note 5 minute delay to allow for online exam access activation for webcast participants</i>



David Lyons, MD, FRCPC,

OAR Medical Director, Facility Accreditation and OAR Medical Advisor, Continuing Medical Education Accreditation Programming

Dr. David Lyons received his medical degree at Queens University at Kingston and training in diagnostic imaging at Toronto General Hospital, University of Toronto.

Dr. Lyons has more than 25 years of experience in diagnostic imaging with special interest in BMD and ultrasound. As a radiologist involved in the reporting of DXA scans, he has a special interest in, and is a strong advocate for, quality assurance and quality control in the performance and reporting of Bone Mineral Densitometry.

Dr. Lyons pioneered the CBMD Facility Accreditation Program and has played a vital role in the OAR's continuing medical educational courses (CME) to support the Facility Accreditation Program. He extended BMD CME to the education of technologists who form the backbone of the accreditation process, and was responsible for developing the Accredited Densitometry Technologist (ADT) recognition for technologists who successfully complete an examination targeted to the accreditation process, and maintain continuing educational requirements set forth in the CBMD policies and procedures for accreditation.

He represented the CAR/OAR on the Osteoporosis Canada panel leading to the CAROC 2005 recommendations, which introduced the concept of 10-year absolute risk for fracture risk prediction, and later was the OAR representative on the panel updating fracture risk assessment to the CAROC 2010 fracture risk assessment tool.

Dr. Lyons is a radiologist involved in both hospital and clinic practices in Alberta and Ontario. He remains a driving force behind Facility Accreditation and CME.

Speakers



Terry Corbett, ADT

Terry Corbett is a recently retired Bone Density Technologist with more than 25 years experience working at the Deep River and District Hospital in Deep River, Ontario. She performed all Bone Mineral Density testing at the Deep River and District Hospital in Deep River, Ontario for 13 years and until her retirement spent 12 years as the Manager for Diagnostic Imaging.

Ms. Corbett has extensive knowledge of BMD Facility accreditation and ensured that the Deep River Hospital achieved BMD facility accreditation over the past 10 years. She has been a consulting technologist with the CBMD Facility Accreditation Program since it began in 2007 and with the CBMD ADT Program since its development in 2010.



S. Nimu Ganguli, MD, FRCPC, ABNM

Dr. Ganguli is Director of Nuclear Medicine, William Osler Health Centre and Brampton Civic Hospital and is an Adjunct Lecturer, Department of Medical Imaging, University of Toronto. Previously he spent seven and one-half years as Site Director of Diagnostic Medical Imaging for the Brampton Civic Hospital.

Dr. Ganguli is a former member of the Canadian Association of Radiologists Board of Directors, a position he held for seven years. While with the CAR, he served on the CAR Board working group and was one of the authors of the national CAR Technical Standards for Bone Mineral Densitometry Reporting 2013. He also worked with Osteoporosis Canada on a Care Gap paper for assessing fractures on chest x-rays and other imaging studies that may relate to undiagnosed Osteoporosis.

An avid proponent for facility accreditation, Dr. Ganguli is responsible for achieving OAR CBMD Facility Accreditation for two Independent Health Facilities (IHF sites) and one hospital.



Ian Hammond, MD, FRCPC

Dr. Hammond is a staff radiologist at the Ottawa Hospital and Professor of Radiology at the University of Ottawa. He also practices at a number of community hospitals in the Ottawa Valley, reporting BMD at Winchester, Arnprior, Renfrew, and Barry's Bay.

Dr. Hammond is a recent past member of the Ontario Association of Radiologists' Board of Directors and a past President, and Gold Medal Winner, of the Canadian Association of Radiologists. He has been President of the Canadian Radiological Foundation since 2011.



Mandy Kohli, MRT (N), BASc, ADT

Mandy Kohli is a Nuclear Medicine Technologist at the Hospital for Sick Children in Toronto. She is a graduate of the Michener Institute for Applied Health Sciences and received her Bachelor of Applied Science (Nuclear Medicine Technology) from Charles Sturt University.

Ms. Kohli has worked at SickKids for 18 years and has been the Clinical Coordinator and the Charge Technologist for the BMD program for the last eight years. As BMD Charge Technologist, Mandy is responsible for providing and overseeing all education for both students and staff and has implemented and sustained the BMD accreditation program. She has a keen interest in BMD research and was the primary investigator for a retrospective study comparing lateral DXA to radiography.



Peter F. O'Brien, MSc, FCCPM, FCOMP

Peter O'Brien is a consulting medical physicist with the OAR CBMD Facility Accreditation Program and a lecturer for the supporting CME events. He is a medical physics consultant with more than 35 years' experience in hospitals and cancer centres in Alberta and Ontario.

He is a former Head of Medical Physics at the Odette Cancer Centre at the Sunnybrook Health Sciences Centre in Toronto, and also a past president of the Canadian Organization of Medical Physicists, as well as the first Director of the University of Toronto Medical Physics Residency training program.

Mr. O'Brien's interests include ionizing radiation safety, quality assurance of medical radiation equipment and medical physics education.



Carrie Orr-Lusk, MRT (R), ADT

Carrie Orr-Lusk has worked at Wentworth Halton X-ray and Ultrasound for 22 years performing general x-ray and mammograms. In 1999 she began performing BMD examinations. Ms. Orr-Lusk is responsible for QC and training within Wentworth Halton X-ray and Ultrasound.

She has worked exclusively with Hologic systems and has joined the CBMD CME faculty to provide advice to MRTs working with Hologic equipment.

Ms. Orr-Lusk earned her Accredited Bone Mineral Densitometrist designation, when it was first introduced by the OAR CBMD Facility Accreditation Program and CME in 2010.



Peter Raaphorst, PhD, FCCPM, PPhys

Dr. Raaphorst is Professor of Physics, Carleton University; Professor of Radiology, Faculty of Medicine, University of Ottawa; Consulting Physicist Ontario Breast Screening Program and; Senior Consulting Physicist, OAR CBMD Facility Accreditation Program.

He is a Research Scientist engaged in biological sciences and in physics. His medical physics skills include radiotherapy, radiological imaging, quality assurance and radiation safety.

Dr. Raaphorst manages the CBMD Medical Physicists Program and has been a driving force behind ongoing CBMD policy and course development since the program began in 2007.

The OAR CBMD ACCREDITED DENSITOMETRY (ADT) EXAM AND DESIGNATION

The OAR CBMD Program adheres to the premise that there can be no accreditation without on-going education and that education to be effective and current, must continually evolve. Close to 400 MRTs across Canada, the vast majority of which are in Ontario, have earned their five-year ADT designation, at least once since the program began in 2010.

The CBMD course offers technologists the opportunity to work with/learn from radiologists, medical physicists and expert BMD MRTs in a formal continuing medical education setting. It also provides the opportunity for participants to ask questions of these experts, whether they are in the room or participating by live webcast.

The ADT is not a certification designation. This five-year designation is for “Accredited Densitometry Technologist.” The designation is important because it signifies that technologists who have earned the designation, meet the high standards set by the CBMD Program for positioning and scanning, working with medical physicists to ensure development of, and adherence to, QA/QC standards and policies and procedures for BMD services provided by their BMD facility/department.

To earn the ADT designation a technologist must write the ADT exam and achieve a minimum grade of 75 out of 100. Technologists who meet this requirement must then submit a practical exam and achieve a passing grade of 75 out of 100 or higher. Participants who pass both exam components will receive the 5-year ADT designation.

The CBMD ADT Designation & the CBMD Facility Accreditation Program

The CBMD ADT is a requirement for technologists working in OAR CBMD accredited facilities. However, since staffing changes are frequent and not all technologists can attend programs as regularly as one might like, it is understood that sites seeking accreditation will ensure that over time, all technologists working in BMD will earn their ADT designation and have their work supervised by an ADT until they do.

Certification programs do not address technologists’ QA/QC knowledge, practices and application. The CBMD facility accreditation program goes beyond certification and requires the highest standards for scanning, recording patient history and all aspects of QA/QC including precision studies, QA/QC policies and procedures, equipment maintenance, ongoing CME, etc. These are validated by the medical physicist and a CBMD technologist reviewer. Medical physicist validation is done during the physicist visit, which is an integral part of the OAR CBMD Facility Accreditation Program. CBMD technologist reviewer validation is done during the accreditation process with a rigorous review of submitted patient studies, patient questionnaires and other relevant materials and is also addressed by a diagnostic radiologist reviewer as part of the overall approval process.



The CBMD ADT EXAM

There is no charge to write the exam and the exam is voluntary!

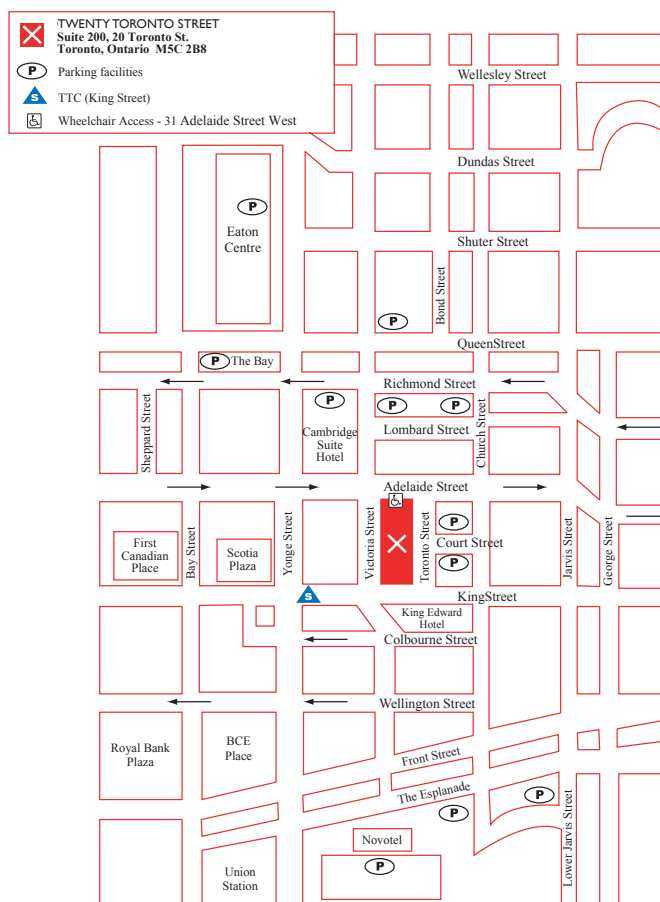
Please note that the CBMD ADT exam for the Accredited Densitometry Technologist ADT Designation will be available for both the live program and the live webcast!

Webcast participants will have the opportunity to write an on-line exam at the same time as technologists participating in the live program.

Why write the exam? A number of changes have occurred since the program was offered in 2011. New guidelines are being used for reporting fracture risk assessment and changes have been made to the accreditation process.

Technologists play a vital role in the accreditation process and deserve the opportunity to validate their competency. The exam and ancillary assignment will provide this assessment.

NOTE: There is **no charge** to write the CBMD ADT exam.



Location:

Twenty Toronto Street
Conferences and Events
20 Toronto Street
2nd Floor
Downtown Toronto

OAR CBMD Accredited Densometry Technologist (ADT) CME 2018

LIVE WEBCAST BROCHURE

Saturday, May 26 and Sunday, May 27, 2018

REGISTRATION

Includes electronic course materials

Technologists **\$450** (before April 27, 2018) **\$500** (after April 27, 2018)

NOTE: There is no charge to write the CBMD ADT exam.



Please note that online registration for all OAR CME events is available at:

<http://oarinfo.ca/cme>

Access to archived versions of the CME program will be made available to all CME participants. Two archived formats will be available. Participants can choose to access the entire event or access the program on a lecture-by-lecture basis.

Instructions on how to access the archived CME program will be e-mailed to all participants (live program and webcast of the live program) as soon as they are available.

Archived versions of the CME are usually available within 7 to 14 days of the live event.

Cancellation policy:

For OAR members, if cancellation to this event is necessary, please contact the OAR office for assistance. For non-members, a refund will be made less a \$50 processing fee, if cancellation is received in writing two weeks prior to the CME event date. No refunds will be given within two weeks of the CME event. Delegates may substitute an alternate attendee. Please advise the OAR if any changes are made. The OAR reserves the right to cancel or move the conference should it become necessary. In this case, each registrant will be notified by telephone or e-mail and a full refund will be given. Therefore it is important that you provide us with an e-mail address and phone number. The OAR is not responsible for any other costs incurred.