

## OAR CBMD Advanced ADT “Case Study” Course 2018

### Course Director: David Lyons, MD FRCPC

“This course will be of interest to technologists who have already earned their ADT Designation.”

This course is designed for technologists who wish to enhance their understanding of the Canadian Association of Radiologists Guidelines for the performance and reporting of Bone Mineral Densitometry and how these are used to achieve standardization in reporting of examination results, and for those who wish to enhance their individual performance in providing BMD services and to ensure the highest level of QA/QC standards in their departments.

*This is a one-day intense case-study course during which participants will work through more than 3 hours of case presentations and 2 hours of interactive quizzes.*



### Overall Course Objectives:

#### At the end of this event, participants should be able to:

- Apply to their daily practice, the appropriate quality control and quality assurance protocols that will ensure accuracy in the acquisition and analysis of BMD data
- Apply to their daily practice, positioning techniques and scan acquisition “tips and tricks” for unusual and difficult adult and paediatric cases
- Have an understanding of the critical role of the imaging physician in monitoring the technologist’s performance of DXA
- Identify, review and discuss the critical elements of the bone density report and have an understanding of the critical importance of implementing the Canadian Association of Radiologists Guidelines for the performance and reporting of Bone Mineral Densitometry
- Review and discuss how radiologists and nuclear medicine physicians use the CAR guidelines to determine diagnostic category
- Review and discuss how radiologists and nuclear medicine physicians use the CAR guidelines to determine 10-year absolute fracture risk
- Have an understanding of the importance of precision and how radiologists and nuclear medicine physicians use the CAR guidelines to achieve the proper application of the facilities Least Significant Change (LSC) in follow-up scans to monitor changes in BMD
- Explain how the CAR guidelines can be used to avoid pitfalls in the reporting of DXA to facilitate BMD reports that are accurate, easier to read and understand, and which provide the referring physician with a better understanding of the patient’s bone health

Saturday, May 5	
07:00 – 07:30	<b>Registration &amp; Hot Breakfast</b>
07:30 – 07:40	<b>Welcome, Opening Remarks</b> <i>Dr. Giuseppe Tarulli</i>
07:40 – 08:00	<b>Facility Accreditation (How are we doing?)</b> <i>Ms. Terry Corbett</i>
08:00 – 08:30	<b>Interactive Quiz on DXA Scanners, Quality Control and more</b> <i>Dr. Peter Raaphorst</i>
08:30 – 09:00	<b>Interactive Quiz on Equipment Changes, Radiation Safety and more</b> <i>Mr. Peter O'Brien</i>
09:00 – 09:15	<b>The Physicist Panel to Answer Submitted Questions</b> <i>Dr. Peter Raaphorst and Mr. Peter O'Brien</i>
09:15 – 09:45	<b>Interactive Quiz on Technical Pitfalls</b> <i>Ms. Terry Corbett and Ms. Carrie Orr-Lusk</i>
09:45 – 10:00	<b>Morning Break</b>
10:00 – 10:30	<b>Interactive Quiz on Pediatric BMD</b> <i>Ms. Mandy Kohli</i>
10:30 – 11:00	<b>The CAR Guidelines for Bone Densitometry Reporting</b> <i>Dr. Nimu Ganguli</i>
11:00 – 11:45	<b>Case Presentations</b> <i>Dr. David Lyons</i>
11:45 – 12:15	<b>Case Presentations</b> <i>Dr. Ian Hammond</i>
12:15 – 12:30	<b>Q &amp; A</b>
12:30 – 13:30	<b>Lunch</b>
13:30 – 14:00	<b>Case Presentations</b> <i>Dr. Nimu Ganguli</i>
14:00 – 14:45	<b>Case Presentations</b> <i>Dr. David Lyons</i>
14:45 – 15:15	<b>Case Presentations</b> <i>Dr. Ian Hammond</i>
15:15 – 15:30	<b>Afternoon Break</b>
15:30 – 16:00	<b>Case Presentations</b> <i>Dr. Nimu Ganguli</i>
16:00 – 16:45	<b>Case Presentations</b> <i>Dr. David Lyons</i>
16:45 – 17:15	<b>Panel Discussion to Answer Submitted Questions</b>



### **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.

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### **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.

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### **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.

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### **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.

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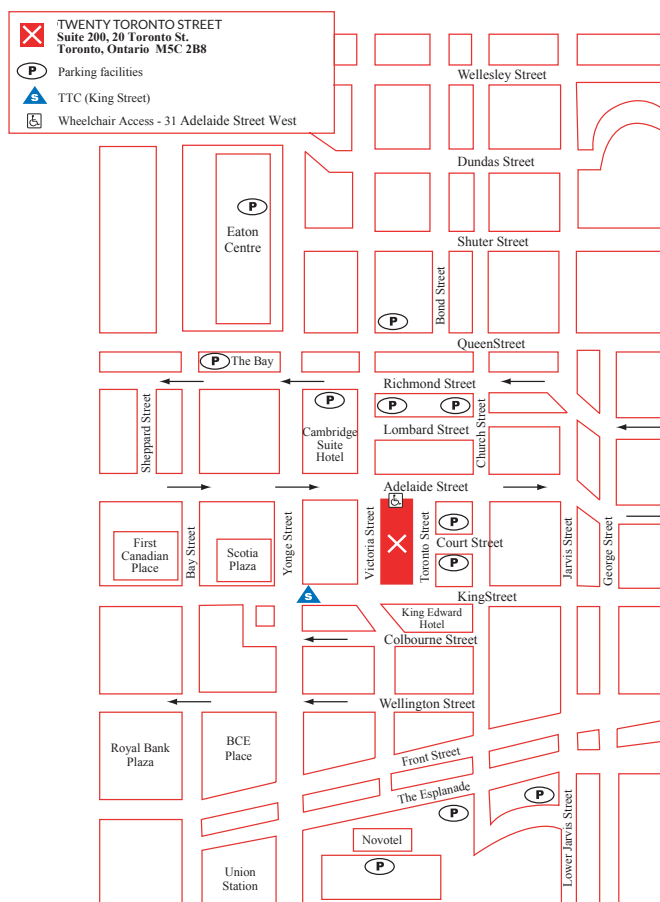
### **Peter Raaphorst, Phd, FCCPM, PPhys**

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.





## Location:

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

## OAR CBMD Advanced ADT “Case Study” Course 2018

### TECHNOLOGIST BROCHURE

Saturday, May 5, 2018

### REGISTRATION

*Includes meals, refreshment breaks, and electronic course materials*

Technologists **\$350** (before April 1, 2018) **\$400** (after April 1, 2018)



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.