

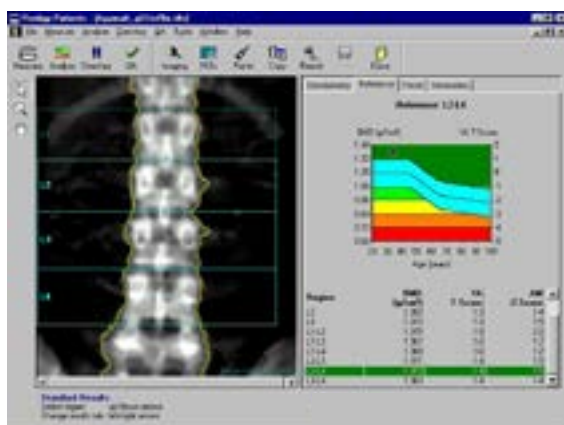
Physician Brochure Saturday, October 25th, 2014

OAR Canadian Bone Mineral Densitometry Reporting Physician CME 2014

Co-Course Directors: Dr. David Lyons & Dr. Amer Shammass

“This course will be of interest to Radiologists, Radiology Residents & Fellows and other physicians reporting BMD.”

The University of Toronto has approved this course for 6.5 RCPSC Section 1 Credits plus 2.5 RCPSC Section 3 Credits.



Course Objectives:

At the end of this event, participants through didactic lectures and interactive 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 onsite and ongoing quality assurance of equipment and technologists, and for the independent validation of results
- Explain the critical importance of accreditation 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
- Recognize and discuss the critical importance of implementing the Canadian Association of Radiologists Technical Standards for Bone Mineral Densitometry Reporting 2013 to achieve standardization in reporting of examination results
- Explain how to use the new guidelines to avoid pitfalls in the reporting of DXA
- Review and discuss how to use the new guidelines in the reporting diagnostic category and 10-year absolute fracture risk
- Relate and discuss the critical importance of fragility fractures
- Identify and discuss the complexities encountered in the performance and reporting of Paediatric DXA
- Review and discuss the critical role of the imaging physician in monitoring the technologist's performance of DXA
- Assess and relate the importance of precision and apply the concept of least significant change (LSC) in determining the validity of any interval change in bone mass that may occur with changes in the patient's health status, or as a response to treatment

Note: Each lecture (except for the two one-hour interactive Case-Study Workshops and the two 15-minute interactive Q&A Sessions) contains 5 minutes of interactive Q&A using ARS (audience response system).

07:00–07:30	Registration and Hot Breakfast
07:30–07:40	Overview of Status of CBMD and the New Physician Program <i>Dr. Giuseppe Tarulli</i>
07:40–07:50	Review of Course Objectives <i>Dr. David Lyons</i>
07:50–08:00	Importance of CBMD Technologist Program – Why Your Technologist Needs ADT (Accredited Densitometry Technologist Designation) <i>Dr. David Lyons</i>
08:00–08:30	DXA Scanners: Principles of Operation & Changing Technologies and the Impact on BMD Determination & Quality Control <i>Dr. Peter Raaphorst</i>
08:30–09:00	CBMD Site Accreditation and Policies & Procedures <i>Dr. Peter Raaphorst</i>
09:00–09:15	Interactive Q&A Session with ARS <i>Dr. Peter Raaphorst</i>
09:15–09:30	Morning Break
09:30–10:00	Equipment Changes/Cross-Over Precision <i>Mr. Peter O'Brien</i>
10:00–10:30	Radiation Safety and Quality Control <i>Mr. Peter O'Brien</i>
10:30–10:45	Interactive Q&A Session with ARS <i>Mr. Peter O'Brien</i>
10:45–11:30	The Essentials of the Adult BMD Report (the Canadian Standards) – Part I <i>Dr. David Lyons</i>
11:30–12:15	Lunch
12:15–12:30	Review of Case Study Quiz Questions & Submission of Answers
12:30–13:15	The Essentials of the Adult BMD Report – Part II <i>Dr. David Lyons</i>
13:15–13:45	The Importance of Fragility Fractures <i>Dr. Steven Burrell</i>
13:45–14:15	CAR Recommendations for Reporting Fracture Risk Assessment <i>Dr. Steven Burrell</i>
14:15–14:45	Paediatric BMD <i>Dr. Amer Shammass</i>
14:45–15:00	Afternoon Break
15:00–16:00	Interactive Workshop: Test Your Knowledge with BMD, DXA and Osteoporosis Case Reviews <i>Dr. Ian Hammond</i>
16:00–17:00	Interactive Workshop: Fracture Risk Assessment in the Era of CAROC 2010 and the 2013 CAR Guidelines <i>Dr. Steven Burrell</i>
17:00–17:20	Panel Discussion: Answers to Submitted Questions <i>All Speakers</i>
17:20–17:30	Quiz Case Review & Results/Draw

This program was developed in response to on-going requests for CME from radiologists reporting BMD.



Steven Burrell, MD, FRCPC

Associate Professor, Department of Radiology, Dalhousie University; Staff Radiologist, QEII Health Sciences Centre and Clinical Head of Nuclear Medicine, IWK Health Centre, Halifax, Nova Scotia

Dr. Burrell originally studied engineering, obtaining a master's degree from the Technical University of Nova Scotia. Following Medical School he completed a combined Diagnostic Radiology and Nuclear Medicine residency at Dalhousie, and is RCPSC certified in both specialties. This was followed by a fellowship in the Harvard Joint Program in Nuclear Medicine, with emphasis on oncology and cardiac imaging.

Dr. Burrell is a staff radiologist at the QEII Health Sciences Centre, where he has worked since 2002, and is Clinical Head of Nuclear Medicine at the IWK Health Centre. His clinical interests include oncology imaging and PET, cardiac imaging, and bone mineral density (BMD). He is one of the authors who revised the CAR BMD reporting guidelines that were published in 2013.

Currently, he is leading an initiative to develop a standardized BMD reporting template for Nova Scotia. Previously, he developed a standardized provincial BMD requisition, which explicitly elicits information on fragility fractures and steroid use, in support of the fracture risk approach contained in the national reporting guidelines.

Dr. Burrell is past Research Director for Dalhousie Diagnostic Radiology, and past Residency Program Director for Dalhousie Nuclear Medicine. He was Young Investigator of the Year for the Canadian Society of Nuclear Medicine (2004) and for the Canadian Association of Radiologists (2008).

Course Director:



David Lyons, MD, FRCPC

Chair and Medical Director, OAR CBMD Facility Accreditation Program, the CBMD CME Program and the OAR Accredited Densitometry Technologist (ADT) Program

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. David 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 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 currently a radiologist at Sunridge Diagnostic Imaging in Alberta and a consulting radiologist for the Deep River and District Hospital in northeast Ontario. He remains a driving force behind CBMD Facility Accreditation and CME.



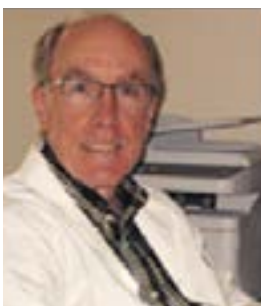
Amer Shammam, MD, FRCPC

Dr. Amer Shammam, Assistant Professor of Medical Imaging at the University of Toronto, has been Interim Head of the Division of Nuclear Medicine at the Hospital for Sick Children (SickKids) in Toronto, Ontario since July 2013.

Dr. Shammam received his medical degree from Damascus University, Faculty of Medicine in Syria in 1996. He started his Diagnostic Radiology residency program in Syria and completed his Nuclear Medicine residency program at Loyola University Medical Center in Illinois, USA in 2004. Subsequently, he completed a PET fellowship at the University of Pittsburgh Medical Center in Pennsylvania, USA in 2005. In 2008, he completed his fellowship in Pediatric Nuclear Medicine in the Department of Diagnostic Imaging at SickKids. Dr. Shammam is experienced in paediatric BMD, and has been a certified clinical densitometrist (CCD) since 2005.

He is a member of Radiological Society of North America, Canadian Society of Nuclear Medicine, and Society of Nuclear Medicine. Dr. Shammam's main research interests are PET imaging.

Speakers:



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 has been a member of the Ontario Association of Radiologists' Board of Directors since 2006, President of the Canadian Radiological Foundation since 2011, and a past President of the Canadian Association of Radiologists.



Peter F. O'Brien, M.Sc., 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.

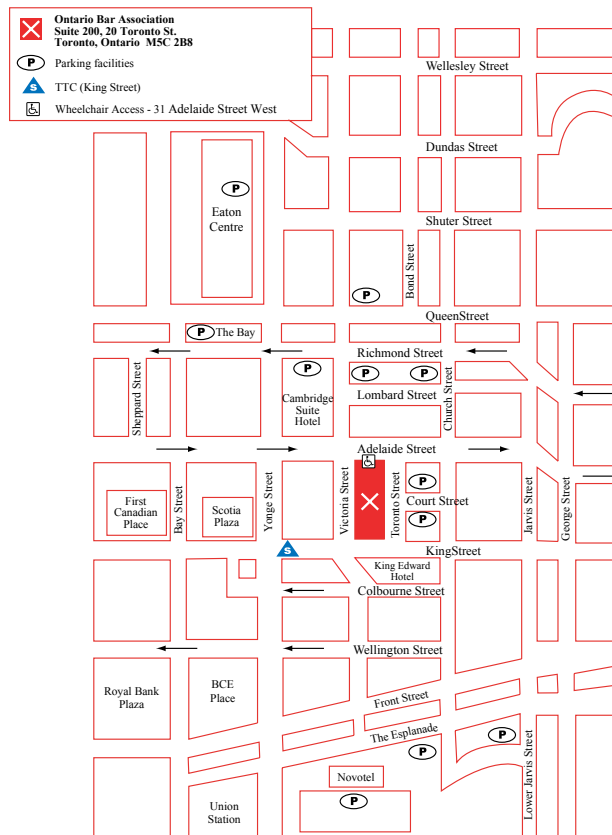


Peter Raaphorst, Phd, FCCPM, PPhys

Dr. Raaphorst is professor of physics, Carleton University; professor of radiology, Faculty of Medicine, University of Ottawa; consulting physicist Ontario Breast Screening Program; senior consulting physicist, OAR CBMD Facility Accreditation Program.

Dr. Raaphorst manages the CBMD medical physicists program and is a driving force behind ongoing CBMD policy and course development.

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



Location:

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



OAD CBMD CME

Physician Brochure

REGISTRATION

(includes meals, refreshment breaks, and course materials)

- OAR Member **\$350** (Before September 1, 2014) **\$400** (After September 1, 2014)
- Non-OAR Member **\$600** (Before September 1, 2014) **\$650** (After September 1, 2014)
- Radiology Residents/Fellows No Charge



Saturday, October 25th, 2014

Please note that on-line 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 emailed 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 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 of 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 email and a full refund will be given. Therefore it is important that you provide us with an email address and phone number. The OAR is not responsible for any other costs incurred.