Course Objectives:

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

- Apply the OAR’s Canadian Bone Mineral Densitometry Reporting Standard to produce consistent BMD reports

- 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 CAR guidelines to avoid pitfalls in the reporting of DXA

- Review and discuss how to use the CAR guidelines in the reporting of diagnostic category and 10-year absolute fracture risk

- Identify and discuss the complexities encountered in the performance and reporting of Paediatric DXA

- 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

- 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
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>07:00−07:30</td>
<td>Registration and Hot Breakfast</td>
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<tr>
<td>07:30−07:40</td>
<td>Welcome &amp; Overview of Status of CBMD Facility Accreditation Program</td>
<td>Dr. Giuseppe Tarulli</td>
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<tr>
<td>07:40−08:20</td>
<td>Interactive Workshop 1: Review of CAROC 2010 and the CAR Technical Standards for the Reporting of Bone Densitometry</td>
<td>Dr. Steven Burrell</td>
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<tr>
<td>08:20−09:00</td>
<td>Interactive Workshop 2: Review of the Paediatric BMD Report</td>
<td>Dr. Reza Vali</td>
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<tr>
<td>09:00−09:40</td>
<td>Interactive Workshop 3: What we are teaching your technologists that you need to know – the Patient Questionnaire!</td>
<td>Dr. Ian Hammond</td>
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<td>09:40−10:20</td>
<td>CBMD Facility Accreditation – Setting the Standard</td>
<td>Dr. David Lyons</td>
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<td>10:20−10:30</td>
<td>Q &amp; A Session</td>
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<td>10:30−10:45</td>
<td>Morning Break</td>
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<tr>
<td>10:45−11:25</td>
<td>CBMD Facility Accreditation – Does it Benefit Fracture Risk Assessment?</td>
<td>Dr. David Lyons</td>
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<tr>
<td>11:25−12:05</td>
<td>The CBMD Reporting Standard (The Report Builder Program) Live Demonstration/Workstation Testing</td>
<td>Dr. David Lyons, Dr. Ian Hammond, Dr. Steven Burrell</td>
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<tr>
<td>12:05−12:15</td>
<td>Q &amp; A Session</td>
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<tr>
<td>12:15−13:00</td>
<td>Lunch</td>
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<tr>
<td>13:00−15:00</td>
<td>Workstation Case Review and Reporting Using the OAR CBMD Reporting Standard</td>
<td>Dr. David Lyons, Dr. Ian Hammond, Dr. Steven Burrell</td>
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<td>15:00−15:15</td>
<td>Afternoon Break</td>
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<tr>
<td>15:15−17:15</td>
<td>Workstation Case Review and Reporting Using the OAR CBMD Reporting Standard</td>
<td>Dr. David Lyons, Dr. Ian Hammond, Dr. Steven Burrell</td>
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<tr>
<td>17:15−17:30</td>
<td>Q &amp; A Session</td>
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Note: Each of the speakers in the Workstation Case Review sessions will be working with participants using the CBMD reporting standard (on their individual workstations) to build reports using a report builder program developed specifically for this course based on the CBMD report standard.

Case studies will emphasize the CAROC 2010 criteria for the determination of 10-year absolute fracture risk and clinical circumstances (e.g. aromatase inhibitors, androgen deprivation etc.) that require further assessment in the determination the 10-year absolute fracture risk.

Some, but not all, of the clinical situations to be presented include:

- Young adults (18 to less than 50 years) - baseline and follow-up exams
- Osteoporosis in the young adult
- Adult patients (>50 years) – baseline and follow-up exams for each of the low, moderate and high risk categories
- Attention will also be paid to reporting the adult male and the determination of fracture risk
- Case studies include patients on bone active drug therapy (> 5 years).
- The significance of fragility fractures
- Cases that emphasize the difference between diagnostic category and 10-year absolute fracture risk.
- And many more!

**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.
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, Renfew 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.

Reza Vali, MD. FEBNM

Dr. Reza Vali has been working as an assistant professor at the University of Toronto, in the Division of Nuclear Medicine since October 2014. Dr. Vali received his medical degree from Ahwaz Medical University in 1995, and completed his Nuclear Medicine residency program at Tehran medical University in Iran in 2000. Subsequently, Dr. Vali completed a fellowship at the Vincent Hospital in Austria in PET/CT oncology in 2007/2008. Recently, he completed his fellowship in Pediatric Nuclear Medicine in the Department of Diagnostic Imaging at The Hospital for Sick Children from January 2012 to October 2014. He is a member of Radiological Society of North America, Canadian Society of Nuclear Medicine, Society of Nuclear Medicine, American Society of Nuclear Cardiology and European Society of Nuclear Medicine.

Dr. Vali’s main research interests are new radiotracers in PET and pediatric BMD including PQCT.

Steven Burrell, MD, FRCPC

Professor 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. Following Medical School he completed a combined Diagnostic Radiology and Nuclear Medicine Residency, all 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’s clinical and research interests include bone mineral density (BMD), as well as oncology imaging and PET. He has been on a number of BMD-related committees with CAR, OAR, and Osteoporosis Canada, and has led several initiatives in Nova Scotia around fracture risk and BMD reporting. He was a member of the committee authoring the 2013 CAR technical standards for BMD reporting.

Dr. Burrell is past Residency Program Director for Dalhousie Nuclear Medicine and past Research Director for Dalhousie Radiology. He was Young Investigator of the Year for the Canadian Society of Nuclear Medicine and for the Canadian Association of Radiologists.
Location:
Twenty Toronto Street
Conferences and Events
20 Toronto Street
2nd Floor
Downtown Toronto

OAR CBMD PHYSICIAN WORKSTATION CME

REGISTRATION
(Includes meals, refreshment breaks, and course materials)

• OAR Member $600 (Before Sept. 1, 2015) $700 (After Sept. 1, 2015)
• Non-OAR Member $800 (Before Sept. 1, 2015) $900 (After Sept. 1, 2015)

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 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 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.