The request for Bone Mineral Density (BMD) education for physicians and technologists in Canada has been overwhelming. As a result, the Ontario Association of Medical Radiation Technologists (OAMRT), Mohawk College Enterprise (MCE) and the University of Toronto’s Centre for Excellence in Skeletal Health Assessment (CESHA) are pleased to offer the International Society for Clinical Densitometry (ISCD) course and certification exam in Toronto to address this need.

This ISCD BMD course is designed for experienced physicians and technologists who have worked or are working in the field. It offers an advanced curriculum, given over two days. A voluntary certification exam is offered at the end of the course and upon passing the exam allows physicians to add the credential of Certified Clinical Densitometrist (CCD) to their name and technologists to add the credential of Certified Densitometry Technologist (CDT). This course will enable the attendee to identify advances in the diagnosis and management of common endocrine conditions. Attendees will appraise the applications of DXA technology, its limitations and pitfalls, and evaluate and monitor fracture risk. Participants will also be able to interpret the clinical utility of bone densitometry and describe the x-ray science, radiation safety and quality assurance of this modality.

This program is brought to you as pre-conference workshop for the International Society of Radiographers and Radiological Technologists (ISRRT) World Congress and Canadian Association of Medical Radiation Technologists (CAMRT) Annual General Conference. For more information, please visit www.2012isrrt.org.

Bone Mineral Density for Physicians and Technologists
An Interdisciplinary Team Approach
ISCD BMD Course & Certification Exam
June 6-7, 2012
Metropolitan Hotel Toronto
108 Chestnut Street
Toronto, ON M5G 1R3

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Osteoporosis Symposia
An Osteoporosis Symposia will be hosted on the evening of June 5th at the Metropolitan Hotel Toronto. Further details to follow and updates will be made available at www.mcecor.com.

Metropolitan Hotel Toronto
Discounted guest room rate available at the venue for $179 (internet included). To guarantee the discounted rate, please make a reservation before May 14th. Call 1-800-668-6600 or email reservations@tor.metropolitan.com. Make sure to reference “BMD” and the reservations code #180360. After May 14th please contact Elizabeth Roediger at 905.667.6230 or eroediger@mcecor.com to inquire about availability.

ISRRT World Congress/CAMRT Annual General Conference
Attend the 17th World Congress of the ISRRT & the 70th Annual General Conference of CAMRT
June 7-10, 2012
www.2012isrrt.org
DAY 1

7:15 Registration opens

8:00 ISCD Introduction and Objectives
8:15 Lecture 1: Overview of Osteoporosis
9:00 Lecture 2: Basic Science of Bone Densitometry and Device Operating Principles
10:00 Lecture 3: X-Ray Science, Radiation Safety and Quality Assurance

Physician Lectures
11:15 Lecture 4: Clinical Evaluation of Bone Health
12:15 Lunch
1:00 Lecture 5: Use of Bone Densitometry for the Diagnosis of Osteoporosis
2:00 Lecture 6: Assessment of Fracture Risk
3:00 Break
3:15 Lecture 7: Monitoring with Bone Densitometry
4:15 Lecture 8: Clinical Management of Osteoporosis
5:15 Faculty Panel Discussion
5:45 End of Day One

Technologist Lectures
11:25 Lecture 4: Densitometer Quality Control
12:15 Lunch
1:00 Lecture 5: Role of the Technologist
2:00 Lecture 6: Anatomy, Positioning and Acquisition – Spine
2:45 Break
3:00 Lecture 7: Anatomy, Positioning and Acquisition – Femur & Forearm
3:45 Lecture 8: Scan Analysis and Interpretation
4:45 Lecture 9: Vertebral Fracture Assessment
5:45 End of Day One

JUNE 6

8:00 Lecture 9: Principles of DXA Scan Interpretation
9:30 Break

Physician Lectures
9:45 Lecture 10: Principles of Reporting DXA Scans
11:15 Course Ends/Lunch
12:00 Physician Certification Exam Begins
2:00 Exam Ends

This course will enable the physician to:
- Recognize the clinical utility of bone densitometry and other modalities to assess and monitor the fracture risk of your patients with low bone mass; Implement recommendations of the 2007 Official Positions to reduce DXA acquisition and interpretation errors; Recognize the utility and limitations of the WHO classification to diagnose osteoporosis; Conduct a precision assessment to ensure the accuracy and precision of BMD testing done on your patients; Apply the recommendations of the ISCD Official Positions for interpreting and reporting DXA scan results to improve patient management for your patients with low bone mass.

Technologist Lectures
9:40 Lecture 11: Clinical Management

10:40 Lecture 12: Evaluating DXA Scans – Case Studies
11:40 Lecture 13: Software Demonstration

This course will enable the technologist to:
- Identify the technique, safety and limitations of DXA scanning; Explain the value of utilizing bone densitometry to assess and monitor fracture risk; Apply knowledge of quality control and operational standards; Review patient preparation and correct positioning for DXA scanning; Identify and perform correct scan acquisition and analysis.

Course Faculty

Angela M. Cheung, MD, PhD, FR CPC, CCD is Founding Director of University Health Network (UHN)/Mount Sinai Hospital Osteoporosis Program. Lilian Love Chair in Women’s Health at UHN, Senior Scientist at the Toronto General Research Institute, and Founding Director of Centre of Excellence in Skeletal Health Assessment (CESHA), at the University of Toronto. She is Associate Professor in the Departments of Medicine, Health Policy Management and Evaluation, Public Health Sciences, Medical Imaging, Institute of Medical Sciences and Institute of Biomaterials and Biomedical Engineering at the University of Toronto.

Anita Colquhoun MRT(N), CDT is a charge technologist in the Bone Density Department of the Multidisciplinary Osteoporosis Program at the Women’s College Hospital in Toronto. Anita is a Nuclear Medical Technologist specialized in Bone Mineral Density (BMD). She has been working in the field of BMD since the early 1990s. Anita is an active member ISCD Technologist Faculty for over 12 years. She is currently serving her second term on the Governing Board of the ISCD and she also serves on several other committees within the ISCD. Anita has helped to develop a provincial competency profile for the establishment of best practice guidelines in BMD and has co-written a beginner online course in BMD for the OAMRT.

Alhya Khan, MD, FR CPC, FACP, FACE, CCD is a Clinical Professor of Medicine at McMaster University in the Divisions of Endocrinology and Metabolism and Geriatrics. She is the Director of the Calcium Disorders Clinic at St. Joseph’s Healthcare Hamilton and the past Chair of the ISCD Certification Council and ISCD Clinician Instructor of the Year 2011.

Diane Krueger, BS, CCCR, CBDT has been program manager of the University of Wisconsin Osteoporosis Clinical Research Program since 1993. She is an ISCD-certified clinical densitometrist and a certified clinical research coordinator through the Association of Clinical Research Professionals. Ms. Krueger has been involved in the field of bone densitometry for over 10 years, during which time related activities include scan acquisition, research and education. She currently serves as ISCD Vice President and is active in ISCD educational activities.

Leon Lenchik, MD, CCD is Associate Professor, Section Head, and Fellowship Director of Musculoskeletal Imaging in the Department of Radiological Sciences at Wake Forest University School of Medicine in Winston-Salem, North Carolina. He completed an undergraduate degree and received an MD from Northwestern University. After residency training in Diagnostic Imaging, he completed a fellowship in Musculoskeletal Imaging at the University of California, San Diego. His main research interest and academic focus is on body composition, bone densitometry, and osteoporosis. He has authored over sixty peer reviewed publications and more than fifteen book chapters on osteoporosis, fractures, bone densitometry, and various other aspects of musculoskeletal imaging. Dr. Lenchik is currently serving on the Board of Trustees of the International Society for Clinical Densitometry.

Credit

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Technologists will receive a joint certificate of completion from the OAMRT and MCE indicating 13 education hours and the equivalent to improve patient management for your patients with low bone mass; Implement recommendations of the 2007 Official Positions to reduce DXA acquisition and interpretation errors; Recognize the utility and limitations of the WHO classification to diagnose osteoporosis; Conduct a precision assessment to ensure the accuracy and precision of BMD testing done on your patients; Apply the recommendations of the ISCD Official Positions for interpreting and reporting DXA scan results to improve patient management for your patients with low bone mass.

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