

OAR The Bright Side of the Breast: Contrast Enhanced Mammography CME

Saturday, October 3, 2020

Course Director: Dr. Anat Kornecki

Target Audience: Radiologists, Diagnostic Imaging Residents and Fellows, General Surgeons and Surgical Residents and Fellows, Medical Radiation Technologists and Diagnostic Medical Sonographers



Why Should I Attend

This conference will highlight the advantages and challenges associated with CESM. The goal is to provide suggestions and tips to allow radiologists and technologists to gain insight as to why their role is valuable and essential for a successful implementation of CESM program.

Contrast-enhanced mammography (CESM) is a growing technique for breast cancer detection and diagnosis that uses contrast-enhanced recombined images for assessment of tumor angiogenesis similar to MRI. Because of its similar performance and ease of implementation, CESM is being adopted for multiple indications previously reserved for MRI.

The utilization of CESM in Canada is currently low and available at a small number of breast imaging centers, but could increase rapidly given many potential indications for clinical use.

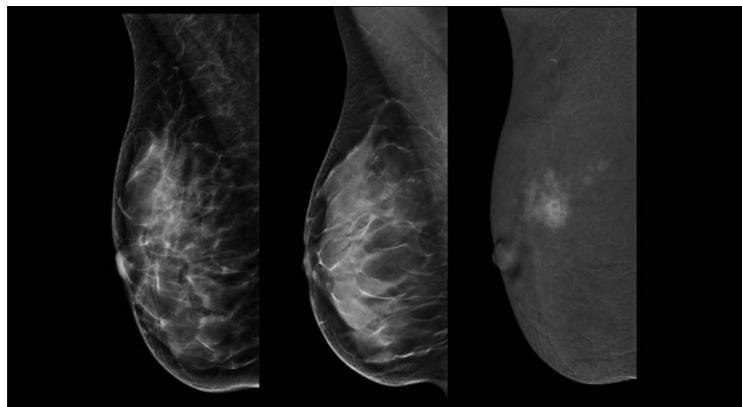
The low rate of adoption of CESM may result from a lack of familiarity with this technology and uncertainty regarding how to incorporate CESM into existing breast imaging practices.

The purpose of this conference is to present an overview of CESM specifically pertaining to the implementation and future use of CESM in Canada.

Course Objectives:

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

1. Evaluate the requirements for implementing CESM program
2. Discuss the clinical indications for performing CESM
3. Recognize the benefits and disadvantages of CESM
4. Describe benign and malignant features on CESM
5. Review the reporting lexicon of CESM exam
6. Assess the added value of vascular breast imaging over anatomic breast imaging
7. Discuss the value of CESM vs. MRI for breast imaging
8. Identify populations and appropriate screening paradigms for patients at increased risk for breast cancer
9. Identify appropriate options for patients with abnormalities depicted by CESM
10. Review and illustrate common and routine artifacts related to contrast enhanced mammography and how to overcome them
11. Review a broad spectrum of interesting and challenging cases
 - The CanMed roles being addressed in the course are Medical Expert and Scholar



Schedule: OAR The Bright Side of the Breast

Note: Most lectures contain 5 minutes of interactive Q&A using an ARS (audience response system) except for the 45-minute lectures, which contain 10 minutes of interactive Q & A and Case-study Interactive Workshops, which are more than 50% interactive Q & A.

07:30 - 07:40	Welcome, Opening Remarks <i>Dr. Giuseppe Tarulli</i>
07:40 - 08:10	Review of Course Objectives <i>Dr. Anat Kornecki</i>
08:10 - 08:50	Introduction for CESM <i>Dr. Maxine Jochelson</i>
08:50 - 09:20	Physics of CESM <i>Dr. Martin J. Yaffe</i>
09:20 - 09:45	Contrast Enhanced Spectral Mammography: Program Implementation <i>Mrs. Sandra McFarlane</i>
09:45 - 10:05	Interactive Case Studies
10:05 - 10:20	Q & A Session
10:20 - 10:30	Morning Break
10:30 - 10:55	Clinical Indications for CESM <i>Dr. Olga Shmuilovich</i>
10:55 - 11:20	CESM as a Screening Tool <i>Dr. Maxine Jochelson</i>
11:20 - 12:00	Q & A Session
12:00 - 13:05	Lunch
13:05 - 13:35	Reporting Lexicon of CESM <i>Dr. Anat Kornecki</i>
13:35 - 14:00	Benign and Malignant Features <i>Dr. Illanit Ben-Nachum</i>
14:00 - 14:20	CESM Limitations and Artifacts <i>Dr. Nasir Khan</i>
14:20 - 14:40	Interactive Case Studies
14:40 - 15:00	Management of CESM Abnormalities <i>Dr. Anat Kornecki</i>
15:00 - 15:25	Case Base Review <i>Dr. Giulio Muscedere</i>
15:25 - 15:40	Q & A Panel Discussion and Final Remarks <i>All Speakers</i>

Course Director



Dr. Anat Kornecki

Dr. Anat Kornecki is an Associate Professor at the department of Medical Imaging at St. Joseph's Health Care in London, Canada. She graduated medical school and radiology residency program in Tel-Aviv University and completed Abdominal Imaging and Women Imaging fellowships at the University of Toronto. She is the head of the Division of Breast Imaging at Western University, Canada and Scientist Associate at Lawson and Robarts institutes, focusing on breast imaging.

Dr. Anat Kornecki has organized and presented at many national and international educational events.

Keynote Speakers



Dr. Maxine Jochelson

Dr. Maxine Jochelson is an attending radiologist on the Breast, Body and Molecular Imaging Services in the Department of Radiology at Memorial Sloan Kettering Cancer Center, a Professor of Radiology at MSK as well as a Clinical Professor of Radiology at Weill Cornell Medical School. Her research at MSK focuses on advanced breast imaging techniques particularly for patients at increased risk of developing breast cancer, with the goal of providing accurate, cost-effective imaging to improve cancer detection, provide direction for the most effective treatment options and of course to improve patient outcomes. Her primary specific research which

directly addresses the above goals is the use of Contrast Enhanced Mammography (CEDM), a novel breast imaging method that uses intravenous contrast enhancement on a platform of digital mammography. While CEDM began as a diagnostic tool, she has led the movement toward its use in screening.

Another major interest is in the use of physiologic imaging to both diagnose, stage and follow patients with breast cancer. The use of FDG- PET/CT and other tracers is another focus of research interest. Dr. Jochelson has worked closely with her clinical counterparts in medical oncology, breast surgery and radiation therapy throughout her career to provide both integrated patient care and multidisciplinary research.



Dr. Martin J. Yaffe

Dr. Martin J. Yaffe is Professor of Medical Biophysics and a Senior Scientist at Sunnybrook Research Institute. He is also Co-Director of the Imaging Research Program at The Ontario Institute for Cancer Research. He holds the Tory Family Chair in Cancer Research.

Dr. Yaffe has been actively involved in research on breast cancer detection and breast cancer imaging for over 40 years and has published nearly 300 peer-reviewed articles. His group pioneered the development of digital mammography, now used worldwide, and quantitative measurement of breast density, an important risk factor for breast cancer. He also contributed to the early development of contrast-enhanced digital mammography. He is a principal investigator of a large randomized trial of breast tomosynthesis and is also developing imaging methods of cancer biomarkers to more accurately characterize cancers.

In February, 2016 Dr. Yaffe was inducted as a Member of The Order of Canada.

Speakers



Dr. Ilanit Ben-Nachum

Dr. Ilanit Ben-Nachum is an Associate Professor at the Department of Medical Imaging at Western University, London, Canada. Dr. Ben-Nachum completed her medical education at the Hebrew University of Jerusalem and her radiology residency in Tel Aviv University, 2008. She went on to complete a two-year fellowship in breast imaging and cross-sectional imaging at Western University in 2009 and 2011. Dr. Ben-Nachum joined the Breast Center at St. Joseph's Health Care in 2013. She is staff radiologist at the Division of Breast Imaging and Abdominal Imaging in Western University.

Dr. Ben-Nachum organized and presented at several Breast Imaging educational events. She is dedicated to the education of residents, fellows and technologists to improve the quality of breast imaging, which is an important part of her role at the Breast Center.



Dr. Nasir Khan

Dr. Khan is a staff radiologist at St Joseph's Healthcare London, member of London X-ray Associates and an Assistant Professor at Western University in London, Ontario. He is actively involved in the teaching of medical students, residents, and fellows. Dr Khan completed his fellowship training at the Joint Department of Medical Imaging (JDMI) at UHN, Mount Sinai Hospital, and Women's College Hospital in Toronto, Ontario. Prior to that, he completed his radiology residency at the University of Saskatchewan.



Dr. Olga Shmuilovich

Dr. Olga Shmuilovich completed her radiology training at the University of Tel-Aviv, Israel. In 2010, she completed a fellowship in Cross-Sectional and Breast Imaging at the University of Western Ontario, Canada after which she joined the Faculty in the Department of Diagnostic Imaging. Currently she serves as an Associate Professor at Western University and a Staff Radiologist at St. Joseph Health Care Breast Assessment Program. She is also a partner at LXA, London Ontario.

A prolific clinical teacher, Dr. Shmuilovich has a particular interest in imaging of breast and abdomen.



Sandra McFarlane MRT(R), CBI(D)

Sandra McFarlane is the Technical Coordinator for Mammography at the Breast Care Program of St. Joseph's Health Care, London, Ontario. She is a medical radiological technologist with a certificate in breast imaging in screening as well as diagnostics and has more than 25 years' experience in breast imaging. She held the Cancer Care Ontario position of Regional Mammography Technologist, responsible for Quality Control in Breast Imaging from 2014 to 2017.

Sandra has been instrumental in starting one of the busiest Contrast Mammography Programs in Canada. Sandra has always been an enthusiastic promoter of breast screening and is the founding Chair of Taking Steps Against Breast Cancer, a Canadian Cancer Society event held in St. Mary's, Ontario every October. Sandra lives on a 100-acre farm near London, Ontario, with her husband, 2 Haflinger Horses and her dog, Wallace.

We would like to thank
GE Healthcare for having
provided unrestricted
educational grants in support
of this event.



"[CESM] has been a fantastic tool in shortening the time between the initial diagnosis and the treatment plan. It's a win-win; patients get answers quickly, as we can be even more confident in our diagnosis."

DR. ANAT KORNECKI
RADIOLOGIST, HEAD OF THE
DIVISION OF BREAST IMAGING AT
WESTERN UNIVERSITY

OAR The Bright Side of the Breast

REGISTRATION

- Technologists **\$100** (before September 15, 2020) **\$150** (after September 15, 2020)

Technologist Brochure

Saturday, October 3, 2020



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. 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.