2016 Clinical Breast Imaging: A Multidisciplinary Approach

Designated for SA-CME

This enduring material activity counts towards the SA-CME requirement for the ABR, similar to a SAM activity

ENTIRE PROGRAM: 22.25 AMA PRA Category 1 Credit(s)™

- Breast MR 11.75 AMA PRA Category 1 Credit(s)[™]
- Breast Ultrasound 8.5 AMA PRA Category 1 Credit(s)™
- Digital Mammography
 5.5 AMA PRA Category 1 Credit(s)[™]

- Screen-Film Mammography 10.5 AMA PRA Category 1 Credit(s)[™]
- Stereotactic Breast Biopsy 1.0 AMA PRA Category 1 Credit(s)™
- Tomosynthesis .5 AMA PRA Category 1 Credit(s)TM

Release Date: June 1, 2016

About This CME Teaching Activity

This CME activity provides a comprehensive review of diagnostic breast imaging with pathological and therapeutic correlations. Focus is placed on a systematic approach to breast imaging and interpretation strategies. Technological advances in breast imaging techniques, including tomosynthesis, contrast enhanced mammography, radioisotope seed localization and whole breast ultrasound are discussed. Updates in image guided breast biopsy and surgical intervention completes the program emphasizing the importance of surgical/pathological correlations.

Target Audience

This CME activity is primarily intended and designed to educate diagnostic imaging physicians who perform and interpret breast imaging examinations. The CME activity should also benefit referring physicians who order breast imaging studies.

Scientific Sponsor

Educational Symposia

Educational Objectives

At the completion of this CME teaching activity, you should be able to:

- Assess the current and future applications of breast imaging.
- Develop imaging protocols and algorithms to accurately assess breast pathology.
- Recognize subtle signs of breast carcinoma utilizing multiple imaging modalities.
- Correlate breast imaging results with pathological and surgical outcomes.
- Discuss the controversies surrounding breast cancer screening.
 - No special educational preparation is required for this CME activity.

Accreditation

Physicians: Educational Symposia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Educational Symposia designates this enduring material for a maximum of 22.25 *AMA PRA Category 1 Credit(s)*TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

SA-CME: Credits awarded for this enduring activity are designated "SA-CME" by the American Board of Radiology (ABR) and qualify toward fulfilling requirements for Maintenance of Certification (MOC) Part II: Lifelong Learning and Self-assessment.

All activity participants are required to pass a written or online test with a minimum score of 70% in order to be awarded credit. (Exam materials, if ordered, will be sent with your order.) All course participants will also have the opportunity to critically evaluate the program as it relates to practice relevance and educational objectives.

AMA PRA Category 1 Credit(s)[™] for this activity may be claimed until May 31, 2019.

This CME activity was planned and produced by Educational Symposia, a leader in diagnostic imaging education since 1975.

This activity was planned and produced in accordance with the ACCME Essential Areas and Elements.

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Faculty

Robyn L. Birdwell, M.D., FACR

Associate Professor of Radiology Harvard Medical School Section Head, Division of Breast Imaging Brigham and Women's Hospital Boston, MA

Marcela Bohm-Velez, M.D., FACR

Clinical Assistant Professor Department of Radiology University of Pittsburgh President Weinstein Imaging Associates Pittsburgh, PA

Christopher Comstock, M.D.

Attending Radiologist Director of Breast Imaging Postgraduate Training & Education Department of Radiology Memorial Sloan Kettering Cancer Center New York, NY

Adriana Corben, M.D., FACP

Assistant Attending Director Breast Pathology Fellowship Department of Pathology Memorial Sloan Kettering Cancer Center New York, NY

Stamatia V. Destounis, M.D., FACR

Elizabeth Wende Breast Care, LLC, Clinical Professor of Imaging Sciences University of Rochester School of Medicine and Dentistry Rochester, NY

Regina J. Hooley, M.D.

Assistant Professor of Diagnostic Radiology Yale School of Medicine New Haven, CT

Allison W. Kurian, M.D., M.Sc.

Assistant Professor Departments of Medicine (Oncology) and of Health Research & Policy Stanford University School of Medicine Stanford, CA

Carol H. Lee, M.D.

Attending Radiologist Memorial Sloan Kettering Cancer Center Professor of Radiology Weill Cornell Medical College New York, NY

Elizabeth A. Morris, M.D., FACR

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Program

- Breast MR
- Breast Ultrasound

Session 1

Breast MRI Acquisition: What is Needed *Christopher Comstock, M.D.*

How to Interpret Breast MRI *Janice S. Sung, M.D.*

The New MRI BI-RADS[®] *Elizabeth A. Morris, M.D., FACR*

Breast MRI Indications and Utilization *Carol H. Lee, M.D.*

Session 2

MRI CAD: Necessary or Not? *Christopher Comstock, M.D.*

What is the Hype with Background Parenchymal Enhancement? *Elizabeth A. Morris, M.D., FACR*

Incidental Enhancing Lesions on MRI Carol H. Lee, M.D.

Breast MRI Case Review Christopher Comstock, M.D.

Session 3

Screening Controversies & Breast Density Carol H. Lee, M.D.

The Spectrum of ADH & DCIS: When Is It Overdiagnosis? *Adriana Corben, M.D., FACP*

Surgical Management of DCIS *Virgilio Sacchini, M.D.*

Understanding Risk & Risk Models *Allison W. Kurian, M.D., M.Sc.*

- Digital Mammography
- Screen-Film Mammography
 - Session 4



Breast Cancer Genetics Allison W. Kurian, M.D., M.Sc.



Supplemental Screening CEDM, MRI, MBI Janice S. Sung, M.D.

Risk Adapted Screening for Breast Cancer Allison W. Kurian, M.D., M.Sc.

Debate: Preoperative Breast MRI - Should We Do It? Christopher Comstock, M.D. Elizabeth A. Morris, M.D.

Stereotactic Breast Biopsy

Tomosynthesis

Session 5



The Many Biological Faces of Breast Cancer *Allison W. Kurian, M.D., M.Sc.*

Pathology Stains: What Are We Looking At? *Adriana Corben, M.D., FACP*



Imaging Margin Assessment Carol H. Lee, M.D.

Pathologic Margin Assessment: How Is It Done? Adriana Corben, M.D., FACP

Session 6



Radioactive Seed Localization *Janice S. Sung, M.D.*

Oncoplastic Surgery, Implants & Autologous Reconstruction *Virgilio Sacchini, M.D.*

Imaging After Oncoplastic Surgery & Implants *Elizabeth A. Morris, M.D., FACR*

Nipple Sparing Mastectomy: Why, When, How *Virgilio Sacchini*, *M.D.*

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- Digital Mammography
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Session 7

Optimizing Targeted Chemotherapy in the Era of Personalized Medicine *Allison W. Kurian, M.D., M.Sc. Elizabeth A. Morris, M.D.*

Pathology Assessment After Neoadjuvant Chemotherapy *Adriana Corben, M.D., FACP*

Sentinel Node Biopsy in Neoadjuvant Chemotherapy *Virgilio Sacchini*, *M.D.*

Radiologic Management of the Axilla *Christopher Comstock, M.D.*

Session 8

Biopsy Under Ultrasound and Stereotactic Guidance: What is New? *Janice S. Sung, M.D.*



MRI Guided Breast Biopsy Carol H. Lee, M.D.



High Risk Lesions: What to Excise? *Adriana Corben, M.D., FACP*

Case Based BI-RADS[®] Update *Carol H. Lee, M.D.*

Session 9

Tomosynthesis in Clinical Practice *Janice S. Sung, M.D.*

Debate: Should We Be Doing Screening US? Carol H. Lee, M.D. Janice S. Sung, M.D.



Management of the Palpable Breast Mass *Carol H. Lee, M.D.*

How to Monitor for Breast Cancer Recurrence *Janice S. Sung, M.D.*

Session 10

Positioning in MRI: Basics Make for the Best Outcome Quality *Robyn Birdwell, M.D., FACR*

Stereotactic Breast Biopsy

Tomosynthesis

Update on MRI BI-RADS[®] *Stamatia V. Destounis, M.D., FACR*

Normal Background Enhancement in Breast MRI Robyn L. Birdwell, M.D., FACR

MRI of the High Risk Patient Stamatia V. Destounis, M.D., FACR

Session 11

MRI in the Post Treated Breast: Benign and Malignant Procedures *Robyn L. Birdwell, M.D., FACR*

Screening Breast Ultrasound: Techniques and Controversies *Regina J. Hooley, M.D.*

BI-RADS[®] for US: Update Marcela Bohm-Velez, M.D., FACR

Session 12

Ultrasound Evaluation of the Breast: How to Improve Sensitivity and Specificity *Regina J. Hooley, M.D.*

Breast Microcalcifications and Axillary Lymph Nodes: How Can Ultrasound Help? *Regina J. Hooley, M.D.*

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