



Penn Medicine

MAY 7-9

CONCEPTS AND TRENDS FOR BREAST CANCER DIAGNOSIS & TREATMENT

CME CREDITS: 20.5 SAM: 4

MAY 9-11

BUILDING A BRIDGE BETWEEN RADIOLOGY AND ORTHOPAEDICS:

CONTROVERSIES & COMPLICATIONS

CME CREDITS: 19.25



Hilton Tel Aviv | Tel Aviv, Israel

2018



MAY 7-9, 2018

CONCEPTS AND TRENDS FOR BREAST CANCER DIAGNOSIS & TREATMENT

OVERVIEW

This three-day course is designed to meet the educational needs of breast imaging and general radiologists, as well as other clinicians, who are involved in the care of patients undergoing diagnostic or interventional radiology procedures. Faculty will present current methods and future trends in breast cancer detection and diagnosis. Digital breast tomosynthesis, ultrasound, and MRI will be discussed, as well as secondary screening techniques (abbreviated MRI, whole breast ultrasound, and molecular breast imaging) and screening controversies. Minimally invasive biopsies and new therapies will be reviewed. Current research and methods to include under-represented populations will be considered. This meeting will address breast cancer topics from a multidisciplinary point-of-view, presented by speakers from Europe, the United States, and Israel.

COURSE OBJECTIVES

Upon completion of this activity, participants should be able to:

- ❑ Explain the roles and potential benefits of digital breast tomosynthesis in the screening and diagnosis of breast cancer and benign breast diseases
- ❑ Discuss the data on screening breast ultrasound in women with dense breasts
- ❑ Summarize the emerging technologies of ultrasound elastography, diffusion-weighted breast MRI and molecular breast imaging
- ❑ Discuss the methods of breast cancer risk assessment and how they can be integrated into breast imaging practices
- ❑ Improve image-guided breast biopsy skills
- ❑ Identify the changes in the new BI-RADS 5th edition for breast MRI
- ❑ Discuss the data on the use of breast MRI in the screening of high and intermediate risk women

SCHEDULE

MONDAY, MAY 7, 2018

- 8:00a Welcome
- 8:10 A Brief History of Breast Imaging
Brian S. Englander, MD
- 8:30 Trends in Breast Cancer in Israel
Lital Keinan-Boker, MD, PhD, MPH
- 9:00 Interventional Oncology of Breast Cancer and its Metastases (US, MRI)
Christiane K. Kuhl, MD
- 9:45 Break
- 10:00 "Tricks of the Trade" of Abbreviated Breast MRI (MRI)
Christiane K. Kuhl, MD
- 10:45 **SAM:** MRI: Pitfalls and Limitations (MRI)
Susan Roth, MD
- 11:45 Breast Cancer Screening with MRI Mammography (MRI)
Christiane K. Kuhl, MD
- 12:30 Lunch (provided for course registrants)
- 1:30 Diffusion MRI: Principles and Current Applications (MRI)
Julia Camps-Herrero, MD
- 2:00 Preoperative Staging for Breast Cancer with MRI (MRI)
Christiane K. Kuhl, MD
- 2:45 Break
- 3:00 Primary Management of Breast Cancer: POMB Trial (MRI)
Kerstin Sandelin, MD, PhD
- 3:30 Post-Treatment Evaluation and Follow-up of Patients with Breast Cancer (US, MRI)
Julia Camps-Herrero, MD
- 4:15 High-Risk Pathology at Core Biopsy: Is Excision Really Necessary? (US, DM, MRI)
Susan Roth, MD
- 5:00 Adjourn
- 5:30 Welcome Reception (complimentary for course registrants and a guest)

TUESDAY, MAY 8, 2018

- 8:00a **SAM:** The Core Biopsy: Ultrasound to MRI (MRI)
Brian S. Englander, MD
- 9:00 Breast Cancer and Pregnancy (US, MRI)
Brian S. Englander, MD
- 9:30 Current Management of Nipple Discharge (US, MRI)
Julia Camps-Herrero, MD

Schedule subject to adjustment: Check the website for most current information.

- 10:00 Risk Reducing Mastectomy in High Risk Individuals
Kerstin Sandelin, MD, PhD
- 10:30 Break
- 10:45 Radiotherapy and Implants: Multidisciplinary Perspective
Kerstin Sandelin, MD, PhD
- 11:30 Imaging Biomarkers in Breast Cancer
Julia Camps-Herrero, MD
- 12:00 Case Conference: Multimodality Imaging (DBT, US, MRI)
Tamar Sella, MD
- 12:30 Lunch (provided for course registrants)
- 1:30 Harmonizing Breast Cancer Screening Guidelines in the Era of Personalized Care
Marcia C. Javitt, MD, FACR
- 2:15 Cryoablation for High Risk Breast Lesions and Breast Cancer (US)
Brian S. Englander, MD
- 3:00 Molecular Breast Imaging: Secondary Screening and Diagnosis (NM)
Brian S. Englander, MD
- 3:30 Adjourn

■ WEDNESDAY, MAY 9, 2018

- 8:00a The Effectiveness of Quality Controlled National Mammography Screening – The Israel Experience
Miri Ziv
- 8:30 Swedish National Quality Register Data: What We Have Learned
Kerstin Sandelin, MD, PhD
- 9:00 SAM: Asymmetries and Distortion in the Age of Tomosynthesis (DBT)
Susan Roth, MD
- 10:00 Break
- 10:15 Topics in Tomosynthesis (DBT)
Tamar Sella, MD
- 10:45 **SAM:** BI-RADS 3: Mammography, Ultrasound, and MRI (DBT, US, MRI)
Susan Roth, MD
- 11:45 Advanced Ultrasound Techniques (US)
Tamar Sella, MD
- 12:30 Lunch (provided for course registrants)
- 1:30 The Role of AI in Radiology for a Growing Population in Developing Countries
Eldad Elnekave, MD

- 2:15 Breast-Cancer Malignancy on Mammography: Automated Detection and Localization Using Deep Learning
Eldad Elnekave, MD
- 3:00 Break
- 3:15 Case Conference: Multimodality Imaging (DBT, US, MRI)
Susan Roth, MD
- 3:45 What's Next: The Future of Breast Imaging
Brian S. Englander, MD
- 4:15 Adjourn

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Postgraduate Institute for Medicine and Penn Medicine. The Postgraduate Institute for Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Jointly provided by Postgraduate Institute for Medicine and Penn Medicine's Department of Radiology



Postgraduate Institute
for Medicine



Penn Medicine

CREDIT DESIGNATION

The Postgraduate Institute for Medicine designates this live activity for a maximum of **20.5 AMA PRA Category 1 Credit(s)**[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity. The total credits in this course may be applied toward MSQA requirements.

Monday: 7.5 | Tuesday: 6.25 | Wednesday: 6.75

The following is a breakdown of breast hours by modality.

MRI: 11.0	DM: .75	NM: .5
US: 7.0	DBT: 3.5	

MAINTENANCE OF CERTIFICATION (MOC)

Participants in this activity will have an opportunity to earn up to **4 Self-Assessment credits (SAM)**. These modules meet the ABR's criteria for a self-assessment activity in the ABR Maintenance of Certification program.



PERELMAN SCHOOL OF MEDICINE AT THE UNIVERSITY OF PENNSYLVANIA FACULTY

Brian S. Englander, MD
COURSE DIRECTOR
Chairman, Department of Radiology
Pennsylvania Hospital

Susan Roth, MD
Professor of Radiology
Pennsylvania Hospital

GUEST SPEAKERS

Lital Keinan-Boker, MD, PhD, MPH
Deputy Director
Israel Center for Disease Control
Ministry of Health, School of Public Health
University of Haifa
Haifa, Israel

Eldad Elnekave, MD
Chief Medical Officer
Zebra Medical Vision
Director of Interventional Oncology Clinic
Davidoff Cancer Center
Petah Tikva, Israel

Julia Camps-Herrero, MD
Head of Radiology Department
Hospital Universitario de la Ribera
Alzira, Spain

Christiane C. Kuhl, MD
Chairman, Department of Diagnostic
and Interventional Radiology
Hospital of the RWTH Aachen University, UKA
Aachen, Germany

Marcia C. Javitt, MD, FACR
Chairman of Radiology
Rambam Health Care Campus
Haifa, Israel

Kerstin Sandelin, MD, PhD
Associate Professor of Surgery
Department of Breast and Endocrine Surgery
Karolinska University Hospital
Stockholm, Sweden

Tamar Sella, MD
Head, Breast Cancer Unit
Department of Medical Imaging
Hadassah Medical Center
Jerusalem, Israel

Miri Ziv
Chief Executive Officer
Israel Cancer Association
Givatayim, Israel

QUESTIONS?

Call: 215-662-6982 | Email: cme@rad.upenn.edu

► DISCLOSURE OF CONFLICTS OF INTEREST

Postgraduate Institute for Medicine (PIM) requires instructors, planners, managers and other individuals who are in a position to control the content of this activity to disclose any real or apparent conflict of interest (COI) they may have as related to the content of this activity. All identified COI are thoroughly vetted and resolved according to PIM policy. The existence or absence of COI for everyone in a position to control content will be disclosed to participants prior to the start of each activity.

► DISCLOSURE OF UNLABELED USE

This educational activity may contain discussion of published and/or investigational uses of agents that are not indicated by the FDA. The planners of this activity do not recommend the use of any agent outside of the labeled indications.

The opinions expressed in the educational activity are those of the faculty and do not necessarily represent the views of the planners. Please refer to the official prescribing information for each product for discussion of approved indications, contraindications, and warnings.

► DISCLAIMER

Participants have an implied responsibility to use the newly acquired information to enhance patient outcomes and their own professional development. The information presented in this activity is not meant to serve as a guideline for patient management. Any procedures, medications, or other courses of diagnosis or treatment discussed or suggested in this activity should not be used by clinicians without evaluation of their patient's conditions and possible contraindications and/or dangers in use, review of any applicable manufacturer's product information, and comparison with recommendations of other authorities.

AMERICANS WITH DISABILITIES ACT

Event staff will be glad to assist you with any special needs (ie, physical, dietary, etc). Please contact Angela Scott at least two weeks prior to the live event at 215-662-6982 or via email at cme@rad.upenn.edu.

► MEETING MATERIALS – ALL ON OUR APP!

Our meeting app includes lecture slides, SAMs, evaluations and instructions to obtain your online CME certificate. We also hope you will join the Activity Feed and share pictures of meals you are enjoying and places you are visiting.

Prior to the course, registered attendees will receive an invitation to go to the App Store or Google Play and download Attendee Hub. Using the course code from your email, you will be able to access this content. In addition to the app, a complimentary electronic syllabus will be provided at Registration. A paper syllabus is not available. If you do not have a Smartphone and wish to earn SAM credits, please contact our office at 215-662-6982 or cme@rad.upenn.edu.

► COURSE CANCELLATION POLICY & TUITION REFUNDS

A full refund for the enrollment fee, less a \$100 administrative cost will be made upon receipt of a written request (via fax or email) if received by 5:00 pm on Friday 4/20/2018. Refunds will not be made after this date.

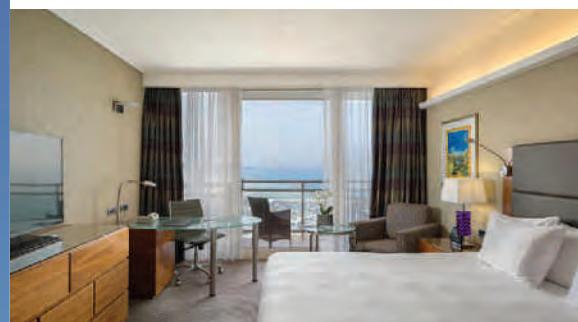
Penn Medicine's Department of Radiology reserves the right to cancel or postpone any activity due to unforeseen circumstances. In the unlikely event of cancellation or postponement, Penn Radiology will refund registration fees but will not be responsible for related costs or expenses to participants, including cancellation fees assessed by airlines, travel agencies and hotels.

► CME CERTIFICATES

Upon conclusion of the course, participants are asked to log onto cmeuniversity.com and complete the course evaluation. Upon completion, and once you have claimed your credits, your CME certificate will be available for download to print or save to your computer.

► LOYALTY REWARD

A \$100 discount off the Medical Professional fee is available to anyone who attended a CME course in 2017 and paid the full Physician Rate. To obtain this discount enter LOYALTY2017 (case sensitive) when prompted for the CME Code. (Registrations will be verified.)



HILTON TEL AVIV

<http://bit.ly/1tVrynv>

205 Hayarkon Street

Tel Aviv 6340506

Israel

+973 3-520-2222

CUT-OFF DATE: April 6, 2018

CHECK IN: 2:00 PM

CHECK OUT: 12:00 PM



REGISTRATION



ACCOMMODATIONS

This is a very special time to visit Israel! A landmark event in the history of the Jewish people will take place on May 14, 2018 when the State of Israel turns 70. Today, Israel is a strong, globally-admired nation which in just seven decades has realized extraordinary levels of achievement. Extend your stay to tour this beautiful country and get swept up in celebration.

Our meeting will take place at the iconic Hilton Tel Aviv located in Independence Park. With direct access to the Hilton Public Beach and Tel Aviv Promenade, the Hilton is the place to stay in Tel Aviv! All guest rooms have private balconies with stunning views of the Mediterranean Sea. Hotel amenities include an outdoor salt-water swimming pool, Sheva Spa, a fully equipped gym and five restaurants and bars.

Tel Aviv, the "24-hour city" is known for its amazing markets, beaches and nightlife. To the south of downtown Tel Aviv is old Jaffa (Yafo), the ancient port city out of which Tel Aviv grew. Enjoy an old-world atmosphere with narrow passageways and ancient buildings, completely different from the rest of Tel Aviv. The streets are lined with artist galleries and studios, boutiques, craft shops and interesting restaurants.

Drive time from Tel Aviv to some popular destinations:

- Jerusalem: 1 hour
- Yad Vashem (Holocaust memorial): 1.25 hours
- Mount Zion: 1.5 hours
- Caesarea: 45 minutes
- Haifa: 1 hour
- Masada/Dead Sea: 2.25 hours
- Elat: 4 hours

SPECIAL UPENN GROUP RATES ONLY THROUGH GIL TRAVEL

Penn Radiology has partnered with Gil Travel Group, experts in travel in Israel. Gil Travel can assist with air reservations, coordinate private airport transfers, reserve your hotel accommodations in our group block and arrange optional touring throughout your visit.

UPENN has a limited block of rooms at the Hilton Tel Aviv with special group rates. These rates are available only through Gil Travel Group. Room rates begin at \$368/night for deluxe rooms with water views. Read more about other room types, rates and inclusions, optional tours, and transfers at <http://bit.ly/GilTravel>. You may book online or call Samantha Sultzer at Gil Travel toll-free at 800-223-3855 x380.



EARLY ENROLLMENT DEADLINE: MARCH 5, 2018 (11:59PM)

To register for this conference:

► **ONLINE:** Visit <http://bit.ly/PennRadiologyCME> (Visa, Mastercard or Amex accepted)

► **MAIL:** Checks (US dollars only drawn on a US bank) payable **Penn Radiology**
ADDRESS: Penn Radiology CME
3400 Spruce Street / 1 Silverstein
Philadelphia, PA 19104-4238

Telephone and faxed registrations are discouraged. Upon receipt of payment, an email confirmation will be sent. Be sure to include your preferred email address when registering.

Name: _____

Affiliation: _____

Address: _____

City, State, Zip: _____

☐ This is my home address ☐ This is my business address

Phone: _____ Fax: _____

Email: _____

(course confirmation is sent by email only)

CONFERENCE FEES (Fees listed in USD)

CONCEPTS AND TRENDS FOR BREAST CANCER DIAGNOSIS & TREATMENT

ALL MEDICAL PROFESSIONALS

- ☐ Early Registration until 3/5/2018 \$995.00
- ☐ Mid-Registration between 3/6 – 4/6, 2018 \$1,095.00
- ☐ Late and Onsite Registration between 4/7 – 5/7, 2018 \$1,245.00

SPECIFIC MEDICAL PROFESSIONALS*

- ☐ Early Registration until 3/5/2018 \$875.00
- ☐ Mid-Registration between 3/6 – 4/6, 2018 \$975.00
- ☐ Late and Onsite Registration between 4/7 – 5/7, 2018 \$1,125.00

BUILDING A BRIDGE BETWEEN RADIOLOGY AND ORTHOPAEDICS: CONTROVERSIES AND COMPLICATIONS

ALL MEDICAL PROFESSIONALS

- ☐ Early Registration until 3/5/2018 \$995.00
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- ☐ Late and Onsite Registration between 4/7 – 5/7, 2018 \$1,245.00

SPECIFIC MEDICAL PROFESSIONALS*

- ☐ Early Registration until 3/5/2018 \$875.00
- ☐ Mid-Registration between 3/6 – 4/6, 2018 \$975.00
- ☐ Late and Onsite Registration between 4/7 – 5/7, 2018 \$1,125.00

ONE FEE TO ATTEND BOTH COURSES (Earn 39.75 CME credits)

ALL MEDICAL PROFESSIONALS

- ☐ Early Registration until 3/5/2018 \$1,325.00
- ☐ Mid-Registration between 3/6 – 4/6, 2018 \$1,425.00
- ☐ Late and Onsite Registration between 4/7 – 5/7, 2018 \$1,575.00

SPECIFIC MEDICAL PROFESSIONALS*

- ☐ Early Registration until 3/5/2018 \$1,225.00
- ☐ Mid-Registration between 3/6 – 4/6, 2018 \$1,325.00
- ☐ Late and Onsite Registration between 4/7 – 5/7, 2018 \$1,475.00

*Penn Alumni, VA/Military, Retired, Trainees, Non-CME Registrants

PENN RADIOLOGY CME

2018

- ▶ **JANUARY 7-10**
Breast Imaging in the Caribbean
The Ritz-Carlton, Grand Cayman
Cayman Islands
- ▶ **MARCH 19-23**
Spring Imaging Update
Disney's Grand Floridian
Resort & Spa, Orlando, FL
- ▶ **JULY 9-13**
40th Diagnostic Imaging on Cape Cod
Chatham Bars Inn | Chatham, MA
- ▶ **OCTOBER 6-10**
**Diagnosis in the Neuroaxis:
Comprehensive Clinical Review
for the Core, CAQ & MOC**
Smilow Center for Translational Research
University of Pennsylvania,
Philadelphia, PA

CONSIDER SPENDING A FULL WEEK IN ISRAEL!

- ▶ **MAY 7-9**
**Concepts and Trends for Breast
Cancer Diagnosis and Treatment**
Hilton Tel Aviv | Tel Aviv, Israel
- ▶ **MAY 9-11**
**Building a Bridge Between
Radiology and Orthopaedics:
Controversies and Complications**
Hilton Hotel Tel Aviv | Tel Aviv, Israel

2019

- ▶ **JANUARY 7-10, 2019**
Breast Imaging at the Beach
Four Seasons Resort
Punta Mita, Mexico
- ▶ **MARCH 25-28**
Spring Imaging Update
Atlantis, Paradise Island
The Bahamas
- ▶ **JULY 8-12**
**41st Diagnostic Imaging:
Back to the Vineyard**
Harbor View Hotel | Edgartown, MA
- ▶ **JULY 28-AUGUST 1**
Around the Clock Imaging
Fairmont Pacific Rim
Vancouver, Canada

Bookmark this site—[PennMedicine.org/RadiologyCME](https://www.pennmedicine.org/radiologycme)

Questions: 215-662-6982 | cme@rad.upenn.edu



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Department of Radiology/
Continuing Medical Education
3400 Spruce Street, 1 Silverstein
Philadelphia, PA 19104-4238

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Penn Radiology is excited to bring world-renowned speakers to Israel to share their expertise!
Two very different courses provide opportunities for physicians to learn the latest in their fields.

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