



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 9-11, 2018

BUILDING A BRIDGE BETWEEN RADIOLOGY AND ORTHOPAEDICS: CONTROVERSIES & COMPLICATIONS

OVERVIEW

The bridge between Radiology and Orthopaedics is a key component to the success of providing patients with the best quality of care. This teamwork becomes even more significant when dealing with complications and with controversial issues. Our 3-day CME course will cover, in-tandem, topics in musculoskeletal medicine including trauma, joint replacement, sports medicine, and spine from the radiologist and orthopaedist point of view. Imaging of these topics in all modalities including ultrasound-guided intervention is included. Each clinical talk delivered by a radiologist and orthopaedist will address, "What does the Radiologist need to know?" and "What do I need to know from the Radiologist?" Each session includes a multidisciplinary panel composed of internationally renowned radiologists and orthopaedic surgeons who will debate on "How I do it" They will also discuss interesting cases submitted by our course participants.

COURSE OBJECTIVES

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

- ❑ Improve the quality of their reports
- ❑ Identify controversial issues in musculoskeletal medicine and the relevant imaging findings
- ❑ Recognize surgical techniques and post-operative imaging
- ❑ Describe the utilization of different imaging modalities and image-guided interventions
- ❑ Demonstrate improved communication between radiologists and orthopaedists

SCHEDULE

MAY 9, 2018

- 7:00a Registration
- 8:00 Opening Remarks
L. Scott Levin, MD, FACS
Nogah Shabsbin, MD, MBA
- MORNING SESSION: SPORTS MEDICINE**
Brian Sennett, MD; Nogah Shabsbin, MD;
Ronnie Sebro, MD, PhD
- 8:15 Shoulder Instability and Imaging of the Glenohumeral Joint: Return to Play & Surgical Management
- 8:55 Patellofemoral Instability:
 - *Surgical Decisions based on Imaging*
 - *Surgical Techniques*
- 9:35 Osteochondral Defects
- 10:00 Coffee Break
- 10:30 Meniscal Pathology and Treatment
 - *Meniscectomy, Repair, Transplantation*
 - *Surgical Techniques & Post-Op MR Imaging*
- 11:15 Anterior Cruciate Ligament Instability:
 - *Imaging and Management*
- 11:35 The Anterolateral Ligament
 - *What? Where? MRI? Repair?*
- 12:10 SIFK? SONK? Bone Marrow Edema Syndromes of the Knee
- 12:30 An Israeli-American International Debate
- 1:00 Lunch (provided for course registrant)

AFTERNOON SESSION: TRAUMA

- Samir Mehta, MD; Ted Miller, MD;*
Elena Taratuta, MD
- 2:00 Hardware Imaging: What to Use, Why & When?
 - 2:20 Damage Control Orthopaedics
"The New Initial Treatment"
 - 2:40 Non-Union of Fractures
 - 3:10 Osteomyelitis: Imaging Diagnosis and Current Management
 - 3:30 Pilon Management: When and How; Imaged-Based Decision-Making
 - 3:50 An Israeli-American Trauma Debate
 - 4:10 Coffee Break
 - 4:30 Industry Talks (non-CME)
 - 5:30 Adjourn

MAY 10, 2018

MORNING SESSION: FOOT AND ANKLE

- Netanel Berko, MD; Mark Schweitzer, MD;*
Keith Wapner, MD
- 8:00 Total Ankle Arthroplasty
 - *MRI & CT in assessing Talar AVN, cysts around the ankle & concomitant tendinopathy*
 - *Weight bearing evaluation of coronal plane deformity with emphasis on a novel standing CT*

- TAR versus fusion: How does the surgeon decide and what does the radiologist need to know?

- 8:40 The Hallux Sesamoid Complex:**
- Metatarsal head imaging: CT? MRI? Both?
 - Bone marrow edema syndromes of the foot
 - Plantar plate injury & turf toe in the eyes of the Surgeon & Radiologist
 - Hallux Rigidus: fusion vs. arthroplasty
- 9:20 Tendinopathy: Bracing or Surgery**
- MRI versus dynamic ultrasound: Which one is better for guidance in conservative versus surgical treatment?
 - Dynamic US of the foot and ankle: How I do it.
 - Bracing or surgery: How does the surgeon decide and what does the radiologist need to know?
- 10:00 Coffee Break**
- 10:30 Image-Guided Procedures of the Foot and Ankle**
- 10:40 Tendon Transfer: Surgical Techniques and MR Imaging**
- 11:00 Radiology Questions for the Foot Surgeon**
- 11:20 The Sinus Tarsi:**
- Normal & abnormal MR imaging
 - From the surgeon: The impact of the radiology report & treatment planning
- 11:40 Panel Discussion: Experts weigh in**
- 12:10 Lunch (provided for course registrant)**

AFTERNOON SESSION: JOINTS

Craig Israelite, MD; Ted Miller, MD

- 1:10 Radiographic US & MR Evaluation of the Post-Operative Total Joint:**
- What does the Orthopaedist want to know?
- 1:25 The Failed Joint Implant: Radiographic Evaluation**
- 1:40 Total Joint Infection: From Imaging to Aspiration**
- 2:00 What is Surgical Disease as Evaluated by Radiographs and MRI?**
- 2:20 State-of-the-Art Joint Reconstruction with Minimally Invasive Techniques**
- Pre-Operative Radiographic Assessment for Patient-Specific Instrumentation
- 2:40 Coffee Break**
- 3:00 Unicompartamental Knee Replacement:**
- Decision with Algorithm using Multimodality Imaging & Clinical Evaluation
- 3:20 Hip Preservation? Clinical & Imaging-Based Decision-Making**
- 3:40 Panel Session: A Joint Discussion**
- 4:10 Industry Session (non-CME)**
- 5:00 Adjourn**

MAY 11, 2018

KEYNOTE LECTURE: *L. Scott Levin, MD*

- 8:00 Limb Salvage, Reconstruction, and Restoration (Transplantation)**

MORNING SESSION: HAND

S. Levin, D. Steinberg, N. Berko

- 8:45 Carpal Tunnel Syndrome**
- Imaging: Endoscopic or open?
 - US-guided CT Release
 - Percutaneous US-guided CT Release
- 9:30 Cubital Tunnel Syndrome:**
- Imaging: US versus MRI
 - Treatment: Decompression or Transposition?
- 10:00 Rock Climbers Disease: Pulley Injuries on CT & MR**
- 10:30 Brunch (provided for course registrant)**

MORNING SESSION: SPINE

Max Aebi, MD; Ronnie Sebro, MD, PhD

- 11:00 Spine**
- Lumbar: The Failed Back - Now what?
 - Deformity: How severe can deformity be treated?
 - Trauma-Center Dynamics & Multidisciplinary Approach
 - Scoliosis: Which radiographic measurements do I really need?
- 1:30 Marathon of Tumor & Tumor-like Cases: An Audience Response**
- 2:15 An International Panel Debate**
- 2:45 Closing Remarks**
- 3:00 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 **19.25 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.

Wednesday: 6.75 | Thursday: 6 | Friday: 6.5

PERELMAN SCHOOL OF MEDICINE AT THE UNIVERSITY OF PENNSYLVANIA FACULTY

L. Scott Levin, MD, FACS

COURSE CO-DIRECTOR

Paul B. Bagnuson Professor of Bone and Joint Surgery
Chair, Department of Orthopaedic Surgery

Nogah Shabshin, MD, MBA

COURSE CO-DIRECTOR

Adjunct Assistant Professor of Radiology
Penn Medicine Clinician

Netanel S. Berko, MD

Assistant Professor of Clinical Radiology

Craig L. Israelite, MD

Associate Professor of Clinical
Orthopaedic Surgery

Samir Mehta, MD

Associate Professor of Orthopaedic Surgery
Chief, Orthopaedic Trauma Service

Ronnie A. Sebro, MD, PhD

Assistant Professor of Radiology

Brian J. Sennett, MD

Associate Professor of Orthopaedic Surgery
Vice Chair, Department of Orthopaedic Surgery
Chief, Sports Medicine

David R. Steinberg, MD

Associate Professor of Orthopaedic Surgery

Elena G. Taratuta, MD

Clinical Associate Professor of Radiology

Keith L. Wapner, MD

Clinical Professor of Orthopaedic Surgery
Chief, Foot and Ankle

GUEST SPEAKERS

Max Aebi, MD, FRCS

Chief of Staff, Department of Orthopaedics
Salem Hospital
Professor & Head
Institute for Evaluative Research
MEM Center for Orthopaedic Research
University of Bern
Bern, Switzerland

Theodore T. Miller, MD, FRCR

Professor of Radiology
Weill Cornell Medical College
Hospital for Special Surgery (HSS)
New York, New York

Mark Schweitzer, MD, FRCPC

Chair and Professor of Radiology
Stony Brook College of Medicine
Stony Brook, New York

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

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.

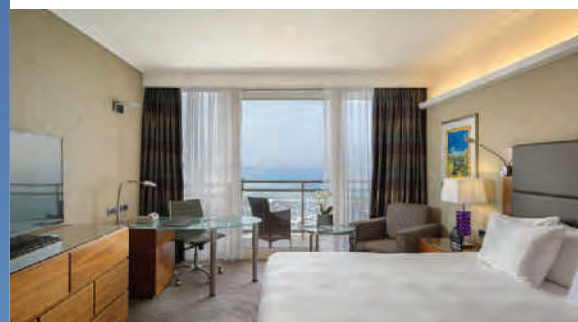
Penn Medicine's Department of Radiology reserves the right to cancel or postpone any activity due to unforeseen circumstances. In the unlikely event of cancellation or postponement, Penn Radiology will refund registration fees but will not be responsible for related costs or expenses to participants,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

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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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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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