BUILDING A BRIDGE BETWEEN RADIOLOGY AND ORTHOPAEDICS:
CONTROVERSIES & COMPLICATIONS

MAY 9-11
Hilton Tel Aviv
Tel Aviv, Israel

PROGRAM UPDATE:
Pleased to have Dr. Luis R. Scheker join our faculty!

CREDITS
19.25 CME

2018
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
Questions? Call 215.662.6982 or 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.

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COURSE CO-DIRECTOR
Paul B. Bagnonson Professor of Bone and Joint Surgery
Chair, Department of Orthopaedic Surgery
Professor of Surgery, Division of Plastic Surgery

Nogah Shabshin, MD, MBA
COURSE CO-DIRECTOR
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Penn Medicine Clinician

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Assistant Professor of Clinical Radiology

Craig L. Israelite, MD
Associate Professor of Clinical Orthopaedic Surgery

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Associate Professor of Orthopaedic Surgery
Chief, Orthopaedic Trauma Service

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Chief, Sports Medicine

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Associate Professor of Orthopaedic Surgery

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Clinical Associate Professor of Radiology

Keith L. Wapner, MD
Clinical Professor of Orthopaedic Surgery
Chief, Foot and Ankle

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

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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
### MAY 10, 2018

**MORNING SESSION: FOOT AND ANKLE**

Netanel Berko, MD; Mark Schweitzer, MD; Keith Wapner, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00</td>
<td><strong>Total Ankle Arthroplasty</strong></td>
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<td>• MRI &amp; CT in assessing Talar AVN, cysts around the ankle &amp; concomitant tendinopathy</td>
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<td>• Weight bearing evaluation of coronal plane deformity with emphasis on a novel standing CT</td>
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<td>• TAR versus fusion: How does the surgeon decide and what does the radiologist need to know?</td>
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<tr>
<td>8:40</td>
<td><strong>The Hallux Sesamoid Complex:</strong></td>
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<td>• Metatarsal head imaging: CT? MRI? Both?</td>
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<td>• Bone marrow edema syndromes of the foot</td>
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<td>• Plantar plate injury &amp; turf toe in the eyes of the Surgeon &amp; Radiologist</td>
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<td></td>
<td>• Hallux Rigidus: fusion vs. arthroplasty</td>
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<tr>
<td>9:20</td>
<td><strong>Tendinopathy: Bracing or Surgery</strong></td>
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<td>• MRI versus dynamic ultrasound:</td>
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<td>Which one is better for guidance in conservative versus surgical treatment?</td>
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<td>• Dynamic US of the foot and ankle: How I do it.</td>
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<td></td>
<td>• Bracing or surgery: How does the surgeon decide and what does the radiologist need to know?</td>
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### MAY 9, 2018

**MORNING SESSION: SPORTS MEDICINE**

Brian Sennett, MD; Nogah Shabshin, MD; Ronnie Sebro, MD, PhD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:15</td>
<td><strong>Shoulder Instability and Imaging of the Glenohumeral Joint: Return to Play &amp; Surgical Management</strong></td>
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<tr>
<td>8:55</td>
<td><strong>Patellofemoral Instability:</strong></td>
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<td></td>
<td>• Surgical Decisions based on Imaging</td>
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<td></td>
<td>• Surgical Techniques</td>
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<tr>
<td>9:35</td>
<td><strong>Osteochondral Defects</strong></td>
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<td>10:00</td>
<td><strong>Coffee Break</strong></td>
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<tr>
<td>10:30</td>
<td><strong>Meniscal Pathology and Treatment</strong></td>
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<td>• Meniscectomy, Repair, Transplantation</td>
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<td></td>
<td>• Surgical Techniques &amp; Post-Op MR Imaging</td>
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<tr>
<td>11:15</td>
<td><strong>Anterior Cruciate Ligament Instability:</strong></td>
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<tr>
<td></td>
<td>• Imaging and Management</td>
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<tr>
<td>11:35</td>
<td><strong>The Anterolateral Ligament</strong></td>
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<td></td>
<td>• What? Where? MRI? Repair?</td>
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<tr>
<td>12:10</td>
<td><strong>SIFK? SONK? Bone Marrow Edema Syndromes of the Knee</strong></td>
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<td>12:30</td>
<td>An Israeli-American International Debate</td>
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<td>1:00</td>
<td><strong>Lunch (provided for course registrant)</strong></td>
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</tbody>
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**AFTERNOON SESSION: TRAUMA**

Samir Mehta, MD; Ted Miller, MD; Elena Taratuta, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>2:00</td>
<td><strong>Hardware Imaging: What to Use, Why &amp; When?</strong></td>
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<td>2:20</td>
<td><strong>Damage Control Orthopaedics “The New Initial Treatment”</strong></td>
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<td>2:40</td>
<td><strong>Non-Union of Fractures</strong></td>
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<td>3:10</td>
<td><strong>Osteomyelitis: Imaging Diagnosis and Current Management</strong></td>
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<td>3:30</td>
<td><strong>Pilon Management: When and How; Imaged-Based Decision-Making</strong></td>
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<td>3:50</td>
<td>An Israeli-American Trauma Debate</td>
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<td>4:10</td>
<td><strong>Coffee Break</strong></td>
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<tr>
<td>4:30</td>
<td><strong>Industry Talks (non-CME)</strong></td>
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<tr>
<td>5:30</td>
<td><strong>Adjourn</strong></td>
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**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  Unicompartmental 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

**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.

**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.

**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)
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 (11:59 PM)

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:** ___________________________________

**CONFERENCE FEES** (All fees listed are in USD.)

**BUILDING THE BRIDGE IN RADIOLOGY AND ORTHOPAEDICS: CONTROVERSIES AND COMPLICATIONS**

**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

**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, Penn Medicine Network Providers, Non-CME Registrants

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**REGISTRATION**

- **MEETING MATERIALS – ALL ON OUR APP!**

  Our meeting app includes lecture slides, 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.)

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**ANOTHER COURSE OPTION TO EXTEND YOUR VISIT:** Extend your time in Israel and earn more credits by registering for:

Concepts and Trends for Breast Cancer Diagnosis and Treatment, May 7-9. (Note: Wednesday overlaps with the MSK course.) Go to our course calendar to learn more about this program.