

JOIN US IN ORLANDO OR VIA WEBCAST

32nd Annual

Magnetic Resonance Imaging 2015:

National Symposium

May 4 – 8, 2015

Loews Royal Pacific Resort at Universal Orlando®

Orlando, Florida • 27.5 AMA PRA Category 1 Credit(s)TM

INCLUDING 3 MAJOR SYMPOSIA

**MRI OF THE
HEAD & SPINE**

May 4 - 6, 2015

13.5 AMA PRA Category 1 Credit(s)TM

**MUSCULOSKELETAL
MRI**

May 5 - 7, 2015

11.25 AMA PRA Category 1 Credit(s)TM

**MRI OF THE
BODY & HEART**

May 6 - 8, 2015

16.25 AMA PRA Category 1 Credit(s)TM



ABOUT THE MEETING

This symposium offers a practical teaching course for those who order, perform or interpret magnetic resonance imaging studies. The program is organized in such a way to allow registrants to attend all or just a portion of the meeting. Three focused segments provide a comprehensive yet practical review and update on the clinical applications of MRI. The meeting begins by focusing on the head and spine, moves into the musculoskeletal system and concludes with cardiovascular and body applications.

TARGET AUDIENCE

This CME activity is designed to educate diagnostic imaging physicians who supervise and interpret MRI/MRA studies. It should also be useful for referring physicians who order these studies so that they might gain a greater appreciation of the strengths and limitations of clinically relevant MRI exams. Technologists performing these types of imaging exams should also gain benefit from this symposium.

SCIENTIFIC SPONSOR

Educational Symposia

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 live activity for a maximum of 27.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Technologists: This program has been submitted to the ASRT. The number of A CE credits will be available approximately 30 days prior to the meeting. Please visit www.edusymp.com or call 1-800-338-5901 regarding the availability of Category A CE credit.

EDUCATIONAL OBJECTIVES

Attendees should, at the completion of this course, be able to:

- Discuss the expanding role of MR in medical imaging.
- Implement state-of-the-art MR protocols.
- Describe the principles of perfusion, and diffusion imaging techniques.
- Utilize MRI to evaluate neurological, musculoskeletal, body and breast pathology.
- Optimize MR protocols and techniques.

No special educational preparation is required for this CME activity.

COURSE ORGANIZATION

This program is planned and organized by Educational Symposia, the leader in diagnostic imaging education since 1975.

ACKNOWLEDGEMENT

Educational Symposia appreciates our corporate supporters and exhibitors. A list of industry supporters will be provided and acknowledged at the meeting.

CANCELLATIONS

Cancellations must be received in writing. A \$50 processing fee will be applied to all cancellations. Refunds requested in writing prior to April 3, 2015, will be issued for the amount of tuition paid less the \$50 processing fee. No refunds will be made on or after that date.

REGISTRATION INFORMATION

Tuition for live conference includes all course materials, including a comprehensive course syllabus (printed black and white syllabus or color e-syllabus) and continental breakfast. Early registration is strongly suggested. There will be a \$50 surcharge for anyone registering after April 22, 2015. Minimum and maximum attendance levels have been established for this meeting. If your registration cannot be accepted, you will be issued a full tuition refund.

Tuition for live webcast includes participation for one registrant. Each registrant must sign-in on a separate computer to receive credit. Prior to the meeting we will send you further information about the log in process. We will also send you a comprehensive color electronic course syllabus via email. If you have any questions or problems logging into the meeting we will have support personnel available at (800) 338-5901. There will be a \$50 surcharge for anyone registering after April 22, 2015.

Please note: A minimum number of registrants is required to live webcast this course. If the minimum number is not met by April 3, 2015 the live webcast activity may be cancelled and a full refund issued.

LIVE WEBCAST REQUIREMENTS

Visit the Help Center at www.edusymp.com/site/help to review the computer and internet requirements for viewing live webcast meetings.

4 EASY WAYS TO REGISTER

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MAIL

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Educational Symposia
5620 West Sligh Avenue
Tampa, Florida 33634-4490

FAX

(800) 344-0668 (U.S. & Canada)
(813) 806-1001

PHONE

(800) 338-5901 (U.S. & Canada)
(813) 806-1000

Reduce your mail clutter or just add email announcements. Please visit the "Mailing List" section of our website at www.edusymp.com.

Disclaimer: Educational Symposia (ESI) as planner and presenter of this meeting, and Professional Travel as the official travel agency for this meeting, claim no liability for the acts of any suppliers or the safety of any attendees while in transit to, from, or during this event or any optional activities. The total amount of liability, if any, for the meeting organizers is limited to a refund of the registration fee, and Professional Travel's responsibility is limited to that of an agent.

Special Note for the Disabled: Educational Symposia wishes to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently from other individuals because of the absence of auxiliary aids and services. If you need any auxiliary aids or services identified in the Americans with Disabilities Act, please contact our office at (800) 338-5901 or (813) 806-1000.



Faculty

Susan M. Ascher, M.D.

*Professor and Co-Director, Abdominal Imaging
MedStar Georgetown University Hospital
Department of Radiology
Washington, DC*

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*

Philip R. Chapman, M.D.

*Associate Professor
Chief, Neuroradiology Section
University of Alabama Birmingham
Birmingham, AL*

Avneesh Chhabra, M.D.

*Associate Professor of MSK Radiology and
Orthopedic Surgery
MSK Division Chief
UTSW
Dallas, TX
Adjunct Professor
John Hopkins University School of Medicine
and Russell H. Morgan
Department of Radiology & Radiological Science
Baltimore, MD*

Robert R. Edelman, M.D.

*Professor of Radiology
Feinberg School of Medicine, Northwestern University
Chairman of Radiology
NorthShore University HealthSystem*

Scott D. Flamm, M.D., M.B.A.

*Professor of Radiology
Cleveland Clinic Lerner College of Medicine of
Case Western Reserve University
Head, Cardiovascular Imaging
Imaging, and Heart & Vascular Institutes
Cleveland Clinic
Cleveland, OH*

Charles P. Ho, M.D., Ph.D.

*Director of Imaging Research
Steadman Philippon Research Institute
Vail, CO*

Emanuel Kanal, M.D., FACR, FISMRM

*Director, Magnetic Resonance Services
Professor of Radiology and Neuroradiology
University of Pittsburgh Medical Center
Pittsburgh, PA*

John D. Reeder, M.D., FACR

*Director of Imaging
Proscan Imaging Maryland
Columbia, MD*

Jeffrey S. Ross, M.D.

*Professor of Neuroradiology
Barrow Neurological Institute
St. Joseph's Hospital
Phoenix, AZ*

Janio Szklaruk, M.D., Ph.D.

*Professor, Department of Diagnostic Radiology
Chief of Abdominal Imaging MR
Division of Diagnostic Imaging
The University of Texas
M. D. Anderson Cancer Center
Houston, TX*

Lawrence N. Tanenbaum, M.D., FACR

*Director MRI, CT and Outpatient/
Advanced Development
Mount Sinai School of Medicine
New York, NY*

Alyssa T. Watanabe, M.D.

*Voxel Imaging, Inc.
Associate Clinical Professor of Radiology
University of Southern California,
Keck School of Medicine
Los Angeles, CA*

Adam C. Zoga, M.D.

*Associate Professor of Radiology
Vice Chair for Clinical Practice
Director of Musculoskeletal MRI
Thomas Jefferson University Hospital
Philadelphia, PA*

**If you receive more than one brochure,
please pass the extra along to a colleague.**

Program

MONDAY, MAY 4, 2015

7:30 – 8:00 AM Registration, Including MRI of the Head and Spine

- 8:00 – 8:40 New MR Techniques
Lawrence N. Tanenbaum, M.D., FACP
- 8:40 – 9:20 White Matter Diseases
Jeffrey S. Ross, M.D.
- 9:20 – 10:00 Advanced Imaging of CNS Neoplasms: Characterization and Surveillance
Lawrence N. Tanenbaum, M.D., FACP
- 10:00 – 10:15 Question and Answer Session
Faculty
- 10:15 – 10:30 Coffee Break for Registrants
- 10:30 – 11:05 Advanced Imaging of CNS Neoplasms: BOLD And DTI for Surgical Planning
Lawrence N. Tanenbaum, M.D., FACP
- 11:05 – 11:40 Neuroimaging of the Central Skull Base: Anatomy and Pathology
Philip R. Chapman, M.D.
- 11:40 – 12:10 PM Susceptibility: Friend or Foe
Lawrence N. Tanenbaum, M.D., FACP
- 12:10 – 12:45 Neuroimaging of the CPA, Internal Auditory Canal and Inner Ear
Philip R. Chapman, M.D.
- 12:45 – 1:00 Question and Answer Session
Faculty
- 1:00 End of Session

TUESDAY, MAY 5, 2015

7:30 – 8:00 AM Continental Breakfast for Registrants

- 8:00 – 8:40 Safety Update I: NSF - What Has Changed, What Has Not
Emanuel Kanal, M.D., FACP, FISMRRM
- 8:40 – 9:10 Diffusion Imaging of the Spine
Lawrence N. Tanenbaum, M.D., FACP
- 9:10 – 9:50 Safety Update II: Beyond NSF
Emanuel Kanal, M.D., FACP, FISMRRM
- 9:50 – 10:00 Question and Answer Session
Faculty
- 10:00 – 10:15 Coffee Break for Registrants
- 10:15 – 10:55 Brachial Plexus Imaging
Philip R. Chapman, M.D.
- 10:55 – 11:35 The Medicolegal Aspects of Magnetic Resonance Safety
Emanuel Kanal, M.D., FACP, FISMRRM
- 11:35 – 12:15 PM Neuroimaging of Perineural Tumor Spread
Philip R. Chapman, M.D.

TUESDAY, MAY 5, 2015 (continued)

- 12:15 – 12:30 Question and Answer Session
Faculty
- 12:30 – 1:30 Lunch On Your Own
- 1:30 – 1:30 Registration for Musculoskeletal MRI
- 1:30 – 2:10 Spine Marrow Disease
Jeffrey S. Ross, M.D.
- 2:10 – 2:50 How to Evaluate and Treat a Patient with Low Back Pain
Alyssa T. Watanabe, M.D.
- 2:50 – 3:30 Degenerative Disc Disease, Pathophysiology and Nomenclature
Jeffrey S. Ross, M.D.
- 3:30 – 3:45 Question and Answer Session
Faculty
- 3:45 End of Session

WEDNESDAY, MAY 6, 2015

7:00 – 7:30 AM Continental Breakfast for Registrants

- 7:00 – 7:30 Registration for Body & Heart
- 7:30 – 8:15 MRI Equipment: Present Capabilities; Future Directions
(Not accredited for AMA/PRA Category 1 or Category A CE credit)
- 8:15 – 8:30 Break
- 8:30 – 9:10 Spinal Implants and Post-operative Changes
Alyssa T. Watanabe, M.D.
- 9:10 – 9:55 Spine Trauma
Jeffrey S. Ross, M.D.
- 9:55 – 10:30 MRI of the Spinal Cord and Peripheral Nerves
Alyssa T. Watanabe, M.D.
- 10:30 – 10:45 Question and Answer Session
Faculty
- 10:45 End of MRI of Head & Spine Session
- 10:45 – 11:00 Coffee Break for Registrants
- 11:00 – 11:30 Shoulder MRI: Structured Evaluation
Avneesh Chhabra, M.D.
- 11:30 – 12:00 PM SLAP Happy: When and How to Call a SLAP Lesion on MRI
Adam C. Zoga, M.D.
- 12:00 – 12:30 Sports Injuries of the Wrist: Golf and Racquet Sports
John D. Reeder, M.D., FACP
- 12:30 – 1:00 Arthritis: Structured Evaluation
Avneesh Chhabra, M.D.

WEDNESDAY, MAY 6, 2015 (continued)

1:00 – 1:15 Question and Answer Session
Faculty

1:15 End of Session

THURSDAY, MAY 7, 2015

7:30 – 8:00 AM Continental Breakfast for Registrants

8:00 – 8:30 Experiences/Update in Sports MRI of the Elbow
Charles P. Ho, M.D., Ph.D.

8:30 – 9:00 MRI of Pediatric Sports Injuries
John D. Reeder, M.D., FACR

9:00 – 9:30 Posteromedial and Posterolateral
Corners of the Knee
Adam C. Zoga, M.D.

9:30 – 10:00 Experiences/Update in Sports MRI of the Hip
Charles P. Ho, M.D., Ph.D.

10:00 – 10:15 Question and Answer Session
Faculty

10:15 – 10:30 Coffee Break for Registrants

10:30 – 11:00 MR Criteria for Meniscal Tears
Adam C. Zoga, M.D.

11:00 – 11:30 Experiences/Update in Sports MRI of the
Ankle and Foot
Charles P. Ho, M.D., Ph.D.

11:30 – 12:00 PM Sarcoma: How to Exclude It
Avneesh Chhabra, M.D.

12:00 – 12:30 Musculoskeletal MRI Missed Case Conference
John D. Reeder, M.D., FACR

12:30 – 12:45 Question and Answer Session
Faculty

12:45 End of Musculoskeletal MRI Session

12:45 – 1:45 Lunch on Your Own

1:45 – 2:15 MR Angiography With and Without
Contrast Agents
Robert R. Edelman, M.D.

2:15 – 2:45 MRI of Liver Lesions
Janio Szklaruk, M.D., Ph.D.

2:45 – 3:15 MRI/MRA of Thoracic Aortic Disease
Scott D. Flamm, M.D., M.B.A.

3:15 – 3:45 Positioning in MRI: Basics Make for the
Best Outcome Quality
Robyn L. Birdwell, M.D., FACR

3:45 – 4:00 Question and Answer Session
Faculty

4:00 End of Session

FRIDAY, MAY 8, 2015

7:30 – 8:00 AM Continental Breakfast for Registrants

8:00 – 8:30 MR of the Adenaxa: 5 Imaging Pearls
Susan M. Ascher, M.D.

8:30 – 9:00 Advanced Imaging Techniques for the Body:
Pearls and Pitfalls
Robert R. Edelman, M.D.

9:00 – 9:30 DWI in Abdominal Imaging: Applications in
Oncologic Patients
Janio Szklaruk, M.D., Ph.D.

9:30 – 10:00 MRI of Uterine Malignancy:
Focus on Revised FIGO
Susan M. Ascher, M.D.

10:00 – 10:15 Question and Answer Session
Faculty

10:15 – 10:30 Coffee Break for Registrants

10:30 – 11:00 Normal Background Enhancement in
Breast MRI
Robyn L. Birdwell, M.D., FACR

11:00 – 11:30 Accelerated Imaging in Cardiac MRI:
Techniques, Benefits and Tradeoffs
Scott D. Flamm, M.D., M.B.A.

11:30 – 12:00 PM Unusual Body MRI Cases
Robert R. Edelman, M.D.

12:00 – 12:30 MRI in the Post Treated Breast: Benign and
Malignant Procedures
Robyn L. Birdwell, M.D., FACR

12:30 – 1:00 LIRADS Scoring of Liver Lesions:
Case Presentation
Janio Szklaruk, M.D., Ph.D.

1:00 – 1:15 Question and Answer Session
Faculty

1:15 End of Course
End of Body & Heart Session

Loews Royal Pacific Resort at Universal Orlando®

ABOUT THE RESORT: As a guest of a deluxe on-site hotel you'll stay in the heart of the excitement at Universal Orlando Resort® and receive exclusive theme park benefits you won't get staying anywhere else including: Universal Express™ Unlimited ride access to SKIP THE REGULAR LINES in both theme parks all day - a FREE benefit worth up to \$89 per person, per day (valid theme park admission required). The Wizarding World of Harry Potter™ - Hogsmeade™, and the Wizarding World of Harry Potter™-Diagon Alley™ is now open right next door in Universal Studios Florida®. You will need a Park to Park admission ticket (charge). Dine at Emeril's Tchoup Chop, featuring celebrity chef Emeril Lagasse's unique take on Asian cuisine; delight in the impeccable service; and soak in the breathtaking splendor of lush tropical surroundings.

HOW TO GET THERE: Fly directly to Orlando International Airport, located just 20 minutes southeast from the Lowes Royal Pacific Resort. Daily non-stop flights are available to Orlando for major national and international carriers.

SPACE IS LIMITED - RESERVE TODAY: Call Reservations at: 1-866-360-7395 and identify yourself as a registrant of MRI National Symposium to receive the group discounted room rate or book online at:
<http://www.loewshotels.com/en/Royal-Pacific-Resort/GroupPages/MRI>. Call Professional Travel at 800-237-7230 for further assistance.

Room Rate.....\$199/nt.
plus applicable tax (single/double occupancy) \$25 per night, per person up to 4 people
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HOTEL: 6300 Hollywood Way
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Meeting
Registration Form:

32nd Annual Magnetic Resonance Imaging 2015: National Symposium
May 4 – 8, 2015 • Lowes Royal Pacific Resort at Universal Orlando® • Orlando, Florida

Attendance is limited; therefore, early registration is strongly suggested. **There will be a \$50 surcharge for anyone registering after April 22, 2015.**

REGISTER ONLINE: WWW.EDUSYMP.COM		TUITION: LIVE MEETING		TUITION: LIVE STREAMING	
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	MRI OF THE BODY AND HEART (MAY 6 - 8, 2015)	<input type="checkbox"/> \$850			
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	MUSCULOSKELETAL MRI (MAY 5 - 7, 2015)	<input type="checkbox"/> \$675	<input type="checkbox"/> BOTH (Paper & Electronic at an extra cost of \$25)	<input type="checkbox"/> \$675	
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