

JOIN US IN ORLANDO OR VIA WEBCAST

32nd Annual

MRI of the HEAD & SPINE 2015:

National Symposium

May 4 – 6, 2015

**Loews Royal Pacific Resort at Universal Orlando®
Orlando, Florida**

13.5 AMA PRA Category 1 Credit(s)TM



ABOUT THE MEETING

The Head and Spine session on the 32nd Annual **Magnetic Resonance Imaging National Symposium** begins on May 4 with formal lectures scheduled throughout the day. (Registration will be held on Monday, May 4th 7:30 AM – 1:00 PM). Question and answer sessions complement the teaching program and provide for interaction between registrants and the faculty.

This symposium provides a practical, comprehensive review of the important aspects of clinical MRI/MRA of the head & spine. Physicians and technologists practicing neuroradiography utilizing MRI should expand their knowledge base and obtain additional information on safe and efficient scanning protocols.

TARGET AUDIENCE

This CME activity designed to educate those physicians who supervise and interpret neurological MRI studies. Thus, it should be particularly helpful for radiologists, neurologists, and neurosurgeons. This CME activity 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 neuroradiology. MR Technologists should also find this program beneficial.

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 13.5 *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 expanded utility of MRI/ MRA of the brain and spine.
- Optimize imaging protocols and techniques to effectively assess CNS pathology.
- Describe the principles and clinical applications of perfusion and diffusion imaging techniques.
- Effectively assess stroke, cerebral hemorrhage and neurological neoplasms.

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

WE ACCEPT



INTERNET
www.edusymp.com

MAIL

Check payable to:

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

Program Director:

Lawrence N. Tanenbaum, M.D., FACR

Philip R. Chapman, M.D.

Associate Professor

Chief, Neuroradiology Section

University of Alabama Birmingham

Birmingham, AL

Emanuel Kanal, M.D., FACR, FISMRM

Director, Magnetic Resonance Services

Professor of Radiology and Neuroradiology

University of Pittsburgh Medical Center

Pittsburgh, PA

Jeffrey S. Ross, M.D.

Professor of Neuroradiology

Barrow Neurological Institute

St. Joseph's Hospital

Phoenix, AZ

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

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

Program

MONDAY, MAY 4, 2015

7:00 - 8:00 AM Registration and Continental Breakfast for Registrants

8:00 – 8:40 New MR Techniques
Lawrence N. Tanenbaum, M.D., FACR

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., FACR

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., FACR

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., FACR

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., FACR, FISMRM

8:40 – 9:10 Diffusion Imaging of the Spine
Lawrence N. Tanenbaum, M.D., FACR

9:10 – 9:50 Safety Update II: Beyond NSF
Emanuel Kanal, M.D., FACR, FISMRM

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., FACR, FISMRM

11:35 – 12:15 PM Neuroimaging of Perineural Tumor Spread
Philip R. Chapman, M.D.

12:15 – 12:30 Question and Answer Session
Faculty

12:30 – 1:30 Lunch On Your Own

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.

TUESDAY, MAY 5, 2015 (continued)

- 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**

- 7:30 – 8:15 MRI Equipment: Present
Capabilities; Future Directions**
(Not accredited for *AMA PRA*
Category 1 Credit(s)[™] 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 Course**



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

HOTEL TAX: 12.5%

HOTEL CUT-OFF DATE: April 13, 2015 – (group rates 3 days prior/post – space available basis)

PARKING: Valet Parking - \$18.00 per day/per car
Self Parking - \$10.00 per day/per car

DEPOSIT POLICY: Hotel requires one night's room and tax deposit to be charged at time of reservation.

CANCELLATION POLICY: Refunds will be issued for rooms cancelled at least 5 days prior to arrival date and cancellation number is obtained. All room cancellations after this time are subject to penalty. Early departure fee is \$50.00. Check in time is: 4:00 PM; Check out time is: 11:00 AM.

HOTEL: 6300 Hollywood Way
Orlando, FL 32819

PH: 407.503.3000

Meeting
Registration Form:

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REGISTER ONLINE: WWW.EDUSYMP.COM		TUITION: LIVE MEETING		TUITION: LIVE WEBCAST	
<input type="checkbox"/> Physicians <input type="checkbox"/> Company Personnel <input type="checkbox"/> Scientists		Check Meeting Registration below: <input type="checkbox"/> \$850		Please check your selection below: INCLUDES ELECTRONIC SYLLABUS ONLY <input type="checkbox"/> \$850	
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*MUST ENCLOSE OR FAX LETTER FROM YOUR DIRECTOR CERTIFYING STATUS.				HS15	

REGISTER ONLINE AND SAVE \$20! By Providing the Promo Code: Example - Promo Code: XXXXX#

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