JOIN US IN ORLANDO OR VIA WEBCAST

32nd Annual

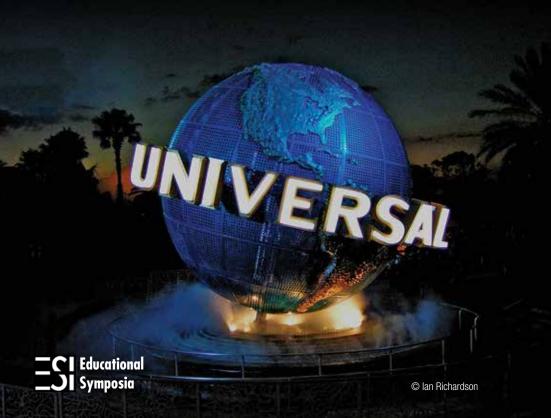
MRI of the HEAD & SPINE 2015:

National Symposium

May 4 - 6, 2015

Loews Royal Pacific Resort at Universal Orlando® Orlando, Florida

13.5 AMA PRA Category 1 Credit(s)™



ABOUT THE MEETING

The Head and Spine session on the 32^{nd} 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)TM. 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













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 difice 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

Program

MONDAY, MAY 4, 2015		TUESDAY, MAY 5, 2015		
7:00 - 8:00 AN	Registration and Continental Breakfast for Registrants	7:30 – 8:00 AI	M Continental Breakfast for Registrants	
8:00 – 8:40	New MR Techniques Lawrence N. Tanenbaum, M.D., FACR	8:00 – 8:40	Safety Update I: NSF - What Has Changed, What Has Not Emanuel Kanal, M.D., FACR, FISMRM	
8:40 – 9:20	White Matter Diseases Jeffrey S. Ross, M.D.	8:40 – 9:10	Diffusion Imaging of the Spine Lawrence N. Tanenbaum, M.D., FACR	
9:20 – 10:00	Advanced Imaging of CNS Neoplasms: Characterization and Surveillance Lawrence N. Tanenbaum, M.D., FACR	9:10 – 9:50	Safety Update II: Beyond NSF Emanuel Kanal, M.D., FACR, FISMRM	
10:00 – 10:15	Question and Answer Session Faculty	9:50 – 10:00	Question and Answer Session Faculty	
10.15 10.00		10:00 – 10:15	Coffee Break for Registrants	
	Advanced Imaging of CNS Neoplasms: BOLD and DTI for Surgical Planning Lawrence N. Tanenbaum, M.D., FACR	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	
11:05 – 11:40	Neuroimaging of the Central Skull Base: Anatomy and Pathology Philip R. Chapman, M.D.	11:35 – 12:15	PM Neuroimaging of Perineural Tumor Spread Philip R. Chapman, M.D.	
11:40 – 12:10	PM Susceptibility: Friend or Foe Lawrence N. Tanenbaum, M.D., FACR	12:15 – 12:30	Question and Answer Session Faculty	
12:10 – 12:45	Neuroimaging of the CPA, Internal Auditory Canal and Inner Ear Philip R. Chapman, M.D.	12:30 – 1:30	Lunch On Your Own	
		1:30 – 2:10	Spine Marrow Disease Jeffrey S. Ross, M.D.	
12:45 – 1:00	Question and Answer Session Faculty	2:10 – 2:50	How to Evaluate and Treat a Patient with Low Back Pain Alyssa T. Watanabe, M.D.	
1:00	End of Session			

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

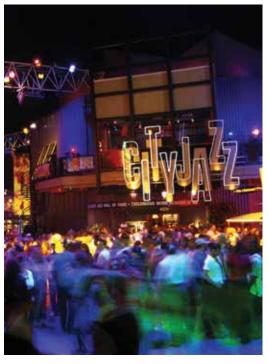
7:00 – 7:30 AM Continental Breakfast for Registrants

7:30 – 8:15 MRI Equipment: Present
Capabilities; Future Directions
(Not accredited for AMA PRA
Category 1 Credit(s)™ or Category A
CE credit)



End of Course

10:45





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:

Cardholder Signature

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REGISTER ONLINE	E: WWW.EDUSYMP.COM	TILITION	LIVE MEETING	TUITION: LIVE WEBCAST		
□ Physicians □ Scientists	□ Company Personnel	Check Meeting Registration below:	Check syllabus selection below: □ ELECTRONIC SYLLABUS (Color)	Please check your selection below: INCLUDES ELECTRONIC SYLLABUS ONLY \$850		
☐ Fellows* ☐ Full Time Military* ☐ Residents* ☐ VA Physicians*	P.A./R.A. Retired Physicians Technologists	□ \$ 675	(Black & White) BOTH (Paper & Electronic at an extra cost of \$25)	□ ^{\$} 675		
*MUST ENCLOSE OR FAX LETTER FROM YOUR DIRECTOR CERTIFYING STATUS.						
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Group Practice Name						
Address			City / State / Zip / Country			
Phone			Email (REQUIRED FOR E	Email (REQUIRED FOR ELECTRONIC SYLLABUS)		
Card Number			Exp. Date	Security Code		
Billing Address			City / State / Zip / Country	City / State / Zip / Country		