

ASNR 50th Annual Meeting

& The Foundation of the ASNR Symposium 2012

Hilton New York
New York, NY
April 21-26, 2012



THE FOUNDATION OF THE ASNR

ASNR 50th
ANNIVERSARY

1962-2012

ANNUAL MEETING

NEW YORK, NY



REGISTRATION BROCHURE

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to register!**

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Thanks to our Program Co-Chairs!

**Neuroradiology Specialty Education Session Programming
for the specialist and general neuroradiologist by:**

**ASNR 2012 Program Chair/ President-Elect
Pamela W. Schaefer, MD**

American Society of Functional Neuroradiology (ASFNR)
Daniel P. Barboriak, MD

American Society of Head and Neck Radiology (ASHNR)
C. Douglas Phillips, MD, FACR

American Society of Pediatric Neuroradiology (ASPNR)
Caroline D. Robson, MD, ChB

American Society of Spine Radiology (ASSR)
Walter S. Bartynski, MD

Society of NeuroInterventional Surgery (SNIS)
Christopher J. Moran, MD

Advanced Imaging Seminars
Peter B. Barker, D.Phil & Timothy P.L. Roberts, PhD

Synaptic Junction Programming
Barton F. Branstetter IV, MD

Socioeconomic Programming
Robert M. Barr, MD

European Society of Neuroradiology (ESNR)
Prof. Dr. E. Turgut Tali/ Pia C. Maly Sundgren, MD, PhD

International Society of Magnetic Resonance in Medicine (ISMRM)
Walter Kucharczyk, MD, FRCPC

Society of NeuroOncology (SNO)
Frederick Lang, MD, FACS

Ibero-Latin American Society of Neuroradiology (SILAN)
Rafael Rojas, MD & Mauricio Castillo, MD, FACR

Dear ASNR Members, Visitors, and Neuroscience Colleagues:



*David B. Hackney, MD, FACR
ASNR President*

I am happy to invite you to the American Society of Neuroradiology 50th Anniversary meeting. For this special event the Society is returning to its birthplace in New York City. The Meeting will be held April 21-26 at the Hilton New York, in the heart of Manhattan. President-Elect and Program Chair, Pamela Schaefer, MD, and the Program Committee have planned an exciting symposium and scientific program, along with special celebrations of our 50th year of organized American neuroradiology.

The Foundation of the ASNR Symposium 2012 “*Acute Ischemic Stroke Imaging*,” is at the heart of neuroradiology and will feature speakers with expertise across the range of adult and pediatric brain ischemia. We will continue to offer a Saturday morning session in collaboration with the

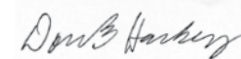
International Society of Magnetic Resonance in Medicine (ISMRM). This mini symposium on “*Advanced MR Imaging of Acute Ischemic Stroke*” will feature new techniques and emerging new technologies that increasingly are applied to stroke.

The 2012 Annual Meeting will provide informative updates on general neuroradiology and showcase subspecialty programming from the *ASFNR, ASHNR, ASPNR, ASSR, and SNIS*. As always, the heart of the meeting will be the **invited lectures, original presentations, scientific posters, and educational exhibits**. After a record number of abstract submissions, I can promise you more new and exciting material than ever before.

There will be approximately 50 hours of continuing medical education credit available (See pages 4 and 5 for details), including *Self-Assessment Module (SAM)* sessions, *Maintenance of Certification (MOC)* interactive audience response technology case reviews, and new Expert: “*How I Do It*” sessions with practical clinical approaches to common imaging challenges. We will again feature valuable non-CME “*How To Sessions*” sponsored by our commercial partners, updating you on the capabilities and use of their hardware and software. Our *Synaptic Junction* this year will feature talks on practical issues in neuroradiology, including **MR Safety for Patients with Implants, DTI for Dummies, Dose Extraction** (for monitoring patient exposure), and a **lively session on Communicating Results Directly to Patients**. In response to rapid changes in the economic and health care environments, we will continue to feature programming on socioeconomic issues facing neuroradiology and practice quality improvement. We will expand our programming specific to **residents, fellows and other young professionals**.

In celebration of our 50th Anniversary we have planned some outstanding special events including reviews of the history of the field and the Society, where we are headed in the future, recognition of our founders and early members, a Keynote address from one of our notable leaders in Neuroradiology, and an unforgettable **50th Anniversary Reception at The Museum of Modern Art**.

Among its most valuable functions, the Annual Meeting will be the ideal opportunity to stay connected with friends and colleagues and get the latest in brain, spine, and head and neck imaging. As befits a golden anniversary, this will be a truly unique event. I look forward to seeing you there!



*David B. Hackney, MD, FACR
ASNR President*

**Click here
to register!**

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ASNR 50th Annual Meeting & The Foundation of the ASNR Symposium 2012

The Executive Committee of the ASNR invites you to celebrate in the city of the ASNR's founding and share in the exciting milestone of our 50th Annual Meeting, April 21-26, 2012. Our Meeting venue for the weeks is the beautifully redesigned and exquisite Hilton New York, a showcase midtown Manhattan hotel. The hotel features spacious accommodations and is just steps away from Radio City Music Hall, Central Park, Rockefeller Center and the city's dynamic business and media center. Discover New York and all the excitement of a culturally diverse world-class and historic city from the refined elegance of the chic Hilton New York.



ASNR is continuing to have a greener meeting ...

ASNR is continuing to make efforts to a greener meeting at the 50th Annual Meeting & The Foundation of the ASNR Symposium 2012. ASNR Executive Committee and volunteers have started taking some steps toward our future. ASNR is asking for your help...

- Preview the abstract presentations in advance of the meeting at www.asnr.org by using the program planner
- Proceedings Book will no longer be printed. Proceedings Book will be available prior to meeting by a link to those that register
- Registration Badge will NOT be mailed; pick up badge onsite
- A Flash drive will be given to all registrants that will include 2012 Proceedings Book
- Evaluate for CME via by link or at the CME Pavilion

Go green with ASNR!!!

Highlights

- General Neuroradiology, Interventional, Functional, Spine, Head and Neck, and Pediatrics.
- Advanced Imaging Seminar Programming – Focused daily didactic sessions (Monday – Wednesday) with in-depth review of Molecular Neuroradiology, Neurotransmitters and Imaging, Faster and Faster and other emerging imaging techniques.
- How-To Sessions with expanded “Hands-on” experiences with image analysis and review on vendor specific workstations.
- Grant Writing Strategy Workshop.
- Socioeconomic Programming including the impact of federal health care reform on Neuroradiology, Performance Measures, and MOC.
- Comparative Effectiveness and Evidence Based Medicine in Neuroradiology Sessions.
- Scientific Posters, Education Exhibits, Electronic Education Exhibits (eEdE's) and Guided Poster Tours.
- Technical Exhibits showcasing new technologies and equipment offering a full range of service and equipment providers dedicated to the field of neuroradiology.
- Proposed Self-Assessment Module (SAM) Session Programming throughout the week.
- Maintenance of Certification (MOC) Daily Review Sessions highlighting Pediatrics, Head and Neck, Cerebrovascular and Spine.
- Earn approximately 50 credit hours of Continuing Medical Education (CME) hours.
- **Make sure you register if you would like to attend the receptions (refer to pg. 17 for more information)**

Food Service:

- **Saturday & Sunday:** ASNR will provide Morning & Afternoon Beverage Breaks. Breakfast & Lunch on own.
- **Monday through Thursday:** ASNR will provide Breakfast, Morning & Afternoon Beverage Breaks. Lunch on own.

Preliminary Scientific Program Schedule At-A-Glance (as of 11/18/11)

↑ AM ↓

↑ PM ↓

Saturday, 4/21	Sunday, 4/22	Monday, 4/23	Tuesday, 4/24	Wednesday, 4/25	Thursday, 4/26
	The Foundation of the ASNR Symposium 2012: Acute Ischemic Stroke Imaging	ASNR 50th Annual Meeting (ASFNR/ASPNR)	ASNR 50th Annual Meeting (ASPNR/ASFNR/ASHNR)	ASNR 50th Annual Meeting (ASHNR/SNIS/ASSR)	ASNR 50th Annual Meeting (ASSR/SNIS)
Breakfast on Own	Breakfast on Own	Breakfast	Breakfast	Breakfast	Breakfast
	Hot Topics in Stroke Imaging	Opening Remarks	Maintenance of Certification (MOC) - Review Session (AR) Head and Neck	Maintenance of Certification (MOC) - Review Session (AR) Cerebrovascular	Maintenance of Certification (MOC) - Review Session (AR) Spine
In collaboration with ASNR/ISMRM Symposium: Advanced Imaging of Acute Ischemic Stroke		Maintenance of Certification (MOC) - Review Session (AR) Pediatrics	General Programming: Collaboration with Society for SILAN	General Session: Luminary Session: Past, Present and Future	ASSR Programming: The Sacroiliac Joint and Pelvis: Imaging and Interventions (SAM #5) (AR)
		ASPNR Programming: Fetal and Neonatal Imaging	General Programming: Alzheimer's Dementia		Collaboration with European Society of Neuroradiology (ESNR): White Matter Diseases
		Collaboration with Society for Neuro Oncology (SNO): Assessment of Tumor Recurrence in the Modern Era	Synaptic Junction Programming: DTI for Dummies		Socioeconomics Programming: Current Issues in Stroke Imaging and Treatment: What is the Evidence?
		Synaptic Junction Programming: MR Safety	Young Professionals Programming: Entering and Thriving in Community Practice		
Morning Break	Morning Break	Morning Break	Morning Break	Morning Break	Morning Break
	Stroke Recovery	Parallel Scientific Paper Sessions	Parallel Scientific Paper Sessions	Keynote Speaker: Robert I. Grossman, MD	Parallel Scientific Paper Sessions
				ASNR Presidential Address ASNR Award Announcements ASNR Annual Business Meeting (Members Only)	
Lunch on Own	Lunch on Own	Lunch on Own	Lunch on Own	Lunch on Own	Lunch on Own
The Foundation of the ASNR Symposium 2012: Acute Ischemic Stroke Imaging	The Foundation of the ASNR Symposium 2012: Acute Ischemic Stroke Imaging	ASPNR Programming: Implementing Functional Imaging in the Clinical Setting (SAM #1) (AR)	ASPNR Programming: 2012 ASPNR Interesting Case Session	ASNR Programming: Head and Neck Cancer (SAM #4) (AR)	Parallel Scientific Paper Sessions
Welcome & Introductions		ASPNR Programming: Advanced Pediatric Neuroimaging Techniques	ASPNR Programming: Emerging Techniques in Functional Neuroradiology	SNIS Programming: Venous Disease	
Advanced CT Imaging of Acute Ischemic Stroke	Where Should We Spend Our Dollars?	Socioeconomic Programming: Healthcare/Payment Methodology/Health Services	ASHNR Programming: Skull Base	ASSR Programming: Advanced Imaging of the Spine and Disk	
		General Programming: CNS Infections	General Programming: Intracranial Vessel Wall Imaging	Synaptic Junction Programming: Dose Extraction	
			Young Professionals Programming: Academic Session		
Afternoon Break	Afternoon Break	Afternoon Break	Afternoon Break	Afternoon Break	Afternoon Break
Therapy-Treatment Approaches	Pediatric Stroke	Parallel Scientific Paper Sessions	Parallel Scientific Paper Sessions	Parallel Scientific Paper Sessions	SNIS Programming: Carotid Disease (SAM #6)
	The Foundation of the ASNR Symposium 2012 Wrap up	ASPNR Programming: Pediatrics Head & Neck (SAM #2) (AR)	Grant Writing Seminar	ASSR Programming: Epidemiology Basis for Spine Imaging and Interventions	General Programming: Mild Traumatic Brain Injury
		ASPNR Programming: Advanced Imaging in Psychiatric Disease: Opportunities and Trends	ASHNR Programming: Sinus/Orbit	Socioeconomics Programming: The Nuts & Bolts fo Health Care Payment and Reform: What You Need to Know!	ASSR Programming: Spine Potpourri
		Advanced Imaging Seminar	General Programming: Aneurysms	SNIS Programming: Dural Arteriovenous Fistulae	
			What is Quality? ... Perspectives from Patient, the Players and (Least Importantly) Us? (SAM #3) (AR)	ASHNR Programming: Temporal Bone	Closing Remarks
			Synaptic Junction Programming: Communications Results	Advanced Imaging Seminar	
			Advanced Imaging Seminar		

ASSR = American Society of Spine Radiology
 ASFNR = American Society of Functional Neuroradiology
 ASHNR = American Society of Head and Neck Radiology
 ASPNR = American Society of Pediatric Neuroradiology
 SNIS = Society of NeuroInterventional Surgery
 SNO = Society for Neuro-Oncology
 SILAN = Ibero-Latin American Society of Neuroradiology
 ISMRM = International Society of Magnetic Resonance in Medicine
 MOC = Maintenance of Certification Session
 SAM = Self Assessment Module Session
 AR = Audience Response Session

Saturday & Sunday: ASNR will provide Morning & Afternoon Beverage Breaks. Breakfast & Lunch on own.
Monday through Thursday: ASNR will provide Breakfast, Morning & Afternoon Beverage Breaks. Lunch on own.

*Programming is currently under review for approval for Self Assessment Module (SAM) credit through the American Board of Radiology (ABR). See www.asnr.org/2012 for information and updates.

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The Foundation of the ASNR Symposium 2012

ASNR in collaboration with International Society of Magnetic Resonance in Medicine (ISMIRM)

Advanced MR Imaging of Acute Ischemic Stroke • The Foundation of the ASNR Symposium 2012: Acute Ischemic Stroke Imaging



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Accreditation Statement

The American Society of Neuroradiology is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The American Society of Neuroradiology takes responsibility for the content, quality, and scientific integrity of the CME activity.

Credit Designation Statement

The American Society of Neuroradiology designates this live activity for a maximum of 14.5 *AMA PRA Category 1 Credit(s)*TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Target Audience

ISMIRM and The Foundation of the ASNR 2012 will focus on the biology, diagnosis, classifications, imaging, and management of acute ischemic stroke. There will be lectures on the pathophysiology of acute ischemic stroke, stroke classifications strategies, transient ischemic attacks and stroke mimics. The Symposium will cover basic and advanced MR imaging techniques including diffusion weighted imaging, diffusion tensor imaging, dynamic contrast enhanced and arterial spine labeling perfusion imaging, MR spectroscopy, susceptibility weighted imaging and blood oxygen level dependent imaging. Advanced CT imaging techniques including CT angiography and CT perfusion as well as dose reduction strategies will be presented. Nuclear medicine and molecular imaging techniques will be discussed. Additional lectures will address imaging the carotid artery with ultrasound, CTA, MRA and DSA with a focus on vulnerable plaque imaging. Treatment including intra-arterial recanalization strategies, intravenous thrombolytic therapy, and supportive therapy and an update on clinical trials will be presented. A final session will be dedicated to pediatric stroke.

Overall Symposium Objectives

- Select appropriate imaging studies for the evaluation of acute ischemic stroke patients
- Explain and interpret imaging studies of acute ischemic stroke patients
- Apply knowledge of the pathophysiology of acute ischemic stroke and stroke classifications strategies to the interpretation of imaging studies
- Utilize clinical and neuroimaging evaluations to determine appropriate treatment strategies for acute ischemic stroke patients
- Differentiate stroke from stroke mimics with neuroimaging and clinical assessment
- Identify dose reduction strategies when evaluating acute stroke patients with advanced CT Imaging

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ISMRM and The Foundation of the ASNR Symposium 2012 Faculty



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ISMRM Faculty

Roland Bammer, PhD
Stanford University

Jean-Claude Baron, MD, ScD
*University of Cambridge, United Kingdom /
University of Paris, France*

John W. Chen MD, PhD
Massachusetts General Hospital

R. Gilberto Gonzalez, MD, PhD
Massachusetts General Hospital

Weili Lin, PhD
*Biomedical Research Imaging Center /
University of North Carolina at Chapel Hill*

David J. Mikulis, MD
*The Toronto Western Hospital /
University of Toronto, Canada*

Michael A. Moskowitz, MD
Harvard Medical School

Peter van Zijl, PhD
Johns Hopkins University Medical School

Greg Zaharchuk, MD, PhD
Stanford University / Stanford University Hospital

The Foundation of the ASNR Symposium Faculty

Gregory W. Albers, MD
Stanford University Medical Center

Richard I. Aviv, MBChB, MRCP, FRCR
Sunnybrook Health Sciences Centre, Canada

Alex R. Carter, MD, PhD
Washington University School of Medicine

Steven C. Cramer, MD
University of California, Irvine

Colin P. Derdeyn, MD
Mallinckrodt Institute of Radiology

Stephanie R. Earnshaw, PhD
RTI Health Solutions

Donald F. Frei, Jr., MD
Radiology Imaging Associates

Mayank Goyal, MD
Foothills Medical Centre, Canada

P. Ellen Grant, MD
Children's Hospital Boston

David M. Greer, MD, MA, FCCM
Yale School of Medicine

Thomas P. Jacobs, PhD
*National Institute of Neurological Disorders & Stroke
/ National Institutes of Health*

Tudor G. Jovin, MD
University of Pittsburgh Medical Center

Michael H. Lev, MD
*Massachusetts General Hospital /
Harvard Medical School*

Neel Madan, MD
Tufts Medical Center

Stuart R. Pomerantz, MD
Massachusetts General Hospital

Michael J. Rivkin, MD
Children's Hospital Boston / Harvard Medical School

Pamela W. Schaefer, MD
Massachusetts General Hospital

Gottfried Schlaug, MD, PhD
*Beth Israel Deaconess Medical Center /
Harvard Medical School*

Sean P. Symons, MD, MPH, FRCPC
Sunnybrook Health Science Centre, Canada

Thomas A. Tomsick, MD
University of Cincinnati Medical Center

Arastoo Vossough, MD, PhD
*University of Pennsylvania /
Children's Hospital of Philadelphia*

Max Wintermark, MD
University of Virginia

Ona Wu, PhD
*Massachusetts General Hospital Athinoula A. Martinos
Center for Biomedical Imaging*

Albert J. Yoo, MD
Massachusetts General Hospital

The Foundation of the ASNR Symposium 2012: Advanced MR Imaging of Acute Ischemic Stroke

Saturday, April 21

Time	Function
<i>In collaboration with ASNR/ISMRM Symposium</i>	
8:00am-10:15am	Advanced MR Imaging of Acute Ischemic Stroke - Part I
8:00am-8:10am	Welcome and Introductions <i>Pamela W. Schaefer, MD</i>
8:10am-8:35am	Pathophysiology of Acute Stroke and Summary of Neuroprotective Treatment Strategies: Animal Models and Molecular Mechanisms <i>Michael A. Moskowitz, MD</i>
8:35am-9:00am	In Vivo Pathophysiology and Acute Ischemic Stroke- The Human Condition <i>Jean-Claude Baron, MD, ScD</i>
9:00am-9:25am	Diffusion-Weighted Imaging/DTI <i>R. Gilberto Gonzalez, MD, PhD</i>
9:25am-9:50am	DSC Perfusion-Weighted Imaging in Ischemic Stroke <i>Roland Bammer, PhD</i>
9:50am-10:15am	ASL Imaging of Acute Ischemic Stroke and TIA <i>Greg Zaharchuk, MD, PhD</i>
10:15am-10:30am	Morning Beverage Break
<i>In collaboration with the ASNR/ISMRM Symposium</i>	
10:30am-12:30pm	Advanced MR Imaging of Acute Ischemic Stroke - Part II
10:30am-10:55am	MR CMR 02 of Acute Ischemic Stroke <i>Weili Lin, PhD</i>
10:55am-11:20am	Molecular MR Imaging of Acute Ischemic Stroke <i>John W. Chen, MD, PhD</i>
11:20am-11:45am	PH Imaging in Acute Ischemic Stroke <i>Peter van Zijl, PhD</i>
11:45am-12:10pm	Chronic Neurovascular Uncoupling Syndrome <i>David J. Mikulis, MD</i>
12:10pm-12:30pm	Questions & Answers

Sunday, April 22

Time	Function
<i>The Foundation of the ASNR Symposium 2012: Acute Ischemic Stroke Imaging</i>	
1:45pm-3:00pm	Advanced CT Imaging of Acute Ischemic Stroke
1:45pm-1:55pm	CTA of the Head and Neck: Protocol Optimization, Strength and Limitations <i>Stuart R. Pomerantz, MD</i>
1:55pm-2:05pm	CTA of the Head and Neck: Clinical Aspects of Acute Stroke Protocol Optimization <i>Sean P. Symons, MPH, MD, FRCPC</i>
2:05pm-2:25pm	What if DWI is Unavailable? New Paradigms in CTP Imaging of Acute Stroke <i>Michael H. Lev, MD</i>
2:25pm-2:45pm	Radiation Dose Reduction Strategies for Acute Stroke Protocols <i>Max Wintermark, MD</i>
2:45pm-3:00pm	Panel Discussion
3:00pm-3:30pm	Afternoon Beverage Break
3:30pm-6:00pm	Therapy-Treatment Approaches
3:30pm-3:50pm	Intravenous Therapy, Including Review of Trials and Image-Based Selection Criteria <i>Gregory W. Albers, MD</i>
3:50pm-4:10pm	IA Therapy Treatment Selection: CT is Sufficient <i>Tudor G. Jovin, MD</i>
4:10pm-4:30pm	IA Therapy Treatment Selection: MR is Essential <i>Albert J. Yoo, MD</i>
4:30pm-4:50pm	IA Thrombolysis <i>Mayank Goyal, MD</i>
4:50pm-5:10pm	IA Mechanical Devices <i>Donald F. Frei, Jr., MD</i>
5:10pm-5:30pm	Bridging Therapy <i>Thomas A. Tomsick, MD</i>
5:30pm-5:50pm	ICU Management of Acute Stroke Patients- Medical and Surgical Care, Including When To Image <i>Tudor G. Jovin, MD</i>
5:50pm-6:00pm	Panel Discussion
8:00am-10:00am	Hot Topics in Stroke Imaging
8:00am-8:10am	Welcome and Introductions <i>Pamela W. Schaefer, MD</i>
8:10am-8:30am	Wake up Strokes <i>Ona Wu, PhD</i>
8:30am-8:50am	Transient Ischemic Attacks <i>Gregory W. Albers, MD</i>
8:50am-9:10am	Interventional Treatment for Symptomatic Intracranial Atherosclerosis: What We Have Learned from The SAMMPRIS Trial <i>Colin P. Derdeyn, MD</i>
9:10am-9:30am	Permeability Imaging in Acute Ischemic Stroke <i>Richard I. Aviv, MBChB, MRCP, FRCR</i>
9:30am-9:50am	Global Ischemia <i>David M. Greer, MD, MA, FCCM</i>
9:50am-10:00am	Questions and Answers
10:00am-10:30am	Morning Beverage Break
10:30am-12:00pm	Stroke Recovery
10:30am-10:55am	Mechanisms of Stroke Recovery <i>Alex R. Carter, MD, PhD</i>
10:55am-11:20am	Functional and Structural Imaging of Stroke Recovery <i>Gofried Schlaug, MD, PhD</i>
11:20am-11:45am	Stroke Recovery Restorative Therapies and Patient Management <i>Steven C. Cramer, MD</i>
11:45am-12:00pm	Panel Discussion

Time	Function
1:15pm-2:30pm	Where Should We Spend Our Dollars?
1:15pm- 1:45pm	NIH Funding Priorities <i>Thomas P. Jacobs, PhD</i>
1:45pm-2:15pm	Cost-Effectiveness in Stroke Imaging <i>Stephanie R. Earnshaw, PhD</i>
2:15pm-2:30pm	Questions
2:30pm-3:00pm	Afternoon Beverage Break
3:00pm-4:30pm	Pediatric Stroke
3:00pm-3:20pm	A Clinical Overview of Stroke in Children <i>Michael J. Rivkin, MD</i>
3:20pm-3:40pm	Neonatal Stroke <i>P. Ellen Grant, MD</i>
3:40pm-4:00pm	Arterial Stroke and Arterial Vascular Disease in Children <i>Arastoo Vossough, MD, PhD</i>
4:00pm-4:20pm	Venous Stroke and Venous Disease <i>Neel Madan, MD</i>
4:20pm-4:30pm	Panel Discussion
4:30pm-4:45pm	Symposium Wrap-Up <i>Pamela W. Schaefer, MD</i>



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Accreditation Statement

The American Society of Neuroradiology is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The American Society of Neuroradiology takes responsibility for the content, quality, and scientific integrity of the CME activity.

Credit Designation Statement

The American Society of Neuroradiology designates this live activity for a maximum of 33.75 *AMA PRA Category 1 Credit(s)*TM. Physicians should claim only in credit commensurate with the extent of their participation in the activity.

Target Audience

The 50th Annual Meeting is the premier Neuroradiology meeting in the world. It is designed for general radiologists who read Neuroradiology studies, dedicated neuroradiologists who strive to better integrate advanced imaging and image-guided diagnostic and therapeutic strategies into daily practice, and scientists who seek better understanding of the current state of these technologies and how they are applied to evaluate the brain, spine, and head and neck. All participants will benefit from exchange of ideas with colleagues from around the world. Programming will include invited talks and original presentations of new results in imaging methods and techniques such as MR diffusion and perfusion weighted imaging, susceptibility weighted imaging, magnetic resonance spectroscopy, functional magnetic resonance imaging, MR angiography, CT perfusion, CT angiography, CT interactive reconstruction techniques, dual energy CT, catheter-based angiography and associated therapies, image-guided spine interventions, molecular imaging and positron emission tomography. Sessions dealing with pediatric neuroradiology, head and neck imaging, diagnostic imaging of the spine and spinal therapeutic interventions, vascular imaging and interventions, functional and molecular imaging, and adult neuroradiology will be offered. There will also be sessions on multiple relevant socioeconomic and practice management issues.

Overall Objectives for the 50th Annual Meeting

After attending the 50th Annual Meeting, you will be able to:

- Analyze the clinical spectrum and imaging finding associated with cerebellar disorders, craniofacial malformations, epilepsy and prematurity in children.
- Review in Maintenance of Certification (MOC) and Self-Assessment Module (SAM) programming with sessions highlighting Pediatric Neuroradiology, Head and Neck Imaging, Cerebrovascular Diseases, and Spine Imaging and Intervention.
- Identify major health policy and socioeconomic factors likely to affect the future of Neuroradiology, including changes in payment systems, evolution of health care reform, comparative effectiveness research, and evidence based medicine.
- Analyze the indications for, imaging findings, and outcomes related to diagnosis and endovascular therapy of venous disease, dural arteriovenous fistulae, carotid disease and aneurysms.
- Describe imaging findings associated with sinonasal, skull base and temporal bone pathology as well as head and neck cancer.
- Identify abnormalities of and perform interventional procedures on the spine, disk, pelvis and sacroiliac joint.
- Apply conventional and advanced imaging methods to the diagnosis and treatment planning of psychiatric diseases, dementias, acute stroke and other vascular diseases, traumatic brain injury, white matter diseases, infections and intracranial neoplasms.
- Define and analyze new developments in molecular imaging, positron emission tomography imaging, functional MRI, diffusion imaging, brain perfusion imaging, and MR spectroscopy.
- Analyze new developments in computed tomography including interactive reconstruction, dual energy CT, and 4D CT.
- Evaluate leadership and management approaches to optimizing performance of radiology practice.

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ASNR President Invitation Letter

ASNR 50th Annual Meeting &
The Foundation of the ASNR
Symposium 2012

At-A-Glance Scientific Program

ISMIRM & The Foundation of
the ASNR Symposium 2012

The Foundation of the
ASNR Symposium 2012 Faculty

The Foundation of the ASNR
Symposium Schedule

ASNR 50th Annual Meeting:
CME Information, Objectives

Annual Meeting Invited Speakers

Education & Technical
Exhibition, How-To Sessions

Young Professionals Programming

Synaptic Junction Programming

ASNR 50th Anniversary
Reception & Closing
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ASNR Future Annual Meetings

**ASNR 50th
ANNIVERSARY**
1962-2012
ANNUAL MEETING
NEW YORK, NY

Invited Speakers (as of 11/18/11)

Frederica Agosta, MD
*San Raffaele Scientific Institute and
Vita Salute University, Italy*

Andres Arbelaez, MD
*Corbic Cardioneurovascular /
Hospital Pablo Tobon Uribe,
Columbia*

Roland Bammer, PhD
Stanford University

Peter B. Barker, D.Phil., PhD
*Johns Hopkins University School
of Medicine*

Frederik Barkhof, MD
*Vrije Universiteit Medical Centre,
Netherlands*

A. James Barkovich, MD
*University of California,
San Francisco Medical Center*

Robert M. Barr, MD
Mecklenburg Radiology Associates, PA

Walter S. Bartynski, MD
Presbyterian University Hospital

Tracy T. Batchelor, MD, MPH
*Massachusetts General Hospital /
Harvard Medical School*

Jacqueline A. Bello, MD
Montefiore Medical Center

Alex Berenstein, MD
Roosevelt Hospital

Rafeeqe A. Bhadelia, MD
*Beth Israel Deaconess
Medical Center*

Erin D. Bigler, PhD
Brigham Young University

Larissa T. Bilaniuk, MD
Children's Hospital of Philadelphia

Susan I. Blaser, MD, FRCPC
Hospital for Sick Children, Canada

Timothy N. Booth, MD
*Children's Medical Center of Dallas /
University of Texas at Southwestern*

Craig A. Branch, PhD
Albert Einstein College of Medicine

Allan L. Brook, MD
Montefiore Medical Center

R. Nick Bryan, MD, PhD
*University of Pennsylvania
Health System*

Soonmee Cha, MD
*University of California,
San Francisco Medical Center*

DeWitte T. Cross III, MD
*Washington University
Medical Center*

Mary E. Cunnane, MD
*Massachusetts Eye and
Ear Infirmary*

Anders Dale, PhD
*University of California,
San Diego*

Colin P. Derdeyn, MD
Mallinckrodt Institute

William D. Donovan, MD, MPH, FACR
The William W. Backus Hospital

Howard L. Dorne, MD
*Vascular and Interventional
Specialists of Orange County*

Paul Dreyfuss, MD
University of Washington

Clifford J. Eskey, MD, PhD
*Dartmouth-Hitchcock
Medical Center*

David J. Fiorella, MD, PhD
*Stony Brook University
Medical Center*

Donald F. Frei, Jr., MD
Radiology Imaging Associates

Emerson L. Gasparetto, MD, PhD
*University Federal of Rio De Janeiro,
DASA, Brazil*

Lawrence E. Ginsberg, MD
MD Anderson Cancer Center

Christine M. Glastonbury, MBBS
*University of California
San Francisco*

R. Gilberto Gonzalez, MD, PhD
Massachusetts General Hospital

P. Ellen Grant, MD
Children's Hospital Boston

Robert I. Grossman, MD
*New York University
Medical Center*

Rajiv Gupta, MD, PhD
Massachusetts General Hospital

David B. Hackney, MD, FACR
*Beth Israel Deaconess
Medical Center*

Daniel K. Hallam, MD, MSc
*University of Washington,
Harborview Medical Center*

H. Ric Harnsberger, MD
University of Utah

Donald V. Heck, MD
Forsyth Radiology Associates

Jeroen Hendrikse, MD, PhD
*University Medical Center- Utrecht,
Netherlands*

Alan S. Hilibrand, MD
*Jefferson Medical College,
The Rothman Institute*

Michael S. Huckman, MD
Rush University Medical Center

Patricia A. Hudgins, MD
Emory University School of Medicine

Mahesh V. Jayaraman, MD
*Rhode Island Hospital /
Warren Alpert School of
Medicine at Brown University*

Annette J. Johnson, MD, MS
*Wake Forest University School
of Medicine*

Blake A. Johnson, MD, FACR
Center for Diagnostic Imaging

Crystal A. Jones
*University of Michigan
Health System*

John E. Jordan, MD
Advanced Imaging of South Bay

David F. Kallmes, MD
Mayo Clinic, Rochester MN

Emanuel Kanal, MD
*University of Pittsburgh
Medical Center*

Marc D. Keshishian, MD
Blue Care Network

Bernadette L. Koch, MD
Cincinnati Children's Hospital

David A. Kumpe, MD
University of Colorado

John I. Lane, MD
Mayo Clinic Rochester, MN

Meng Law, MD
*University of Southern California
Medical Center*

Frank J. Lexa, VII, MD, MBA
*The Wharton School /
University of Pennsylvania*

Cathy Limperopoulos, PhD
*Children's National Medical Center,
George Washington University
School of Medicine and Health
Science*

Michael L. Lipton, MD, PhD
Albert Einstein College of Medicine

Andrew W. Litt, MD
Dell Healthcare and Life Sciences

Harold I. Litt, MD, PhD
*Perelman School of Medicine /
University of Pennsylvania*

Laurie A. Loevner, MD
*University of Pennsylvania
Medical Center*

Jeffrey Lotz, PhD
*University of California,
San Francisco*

Hanzhang Lu, PhD
*University of Texas Southwestern
Medical Center*

Joseph A. Maldjian, MD
*Wake Forest University School
of Medicine*

Alex Mamourian, MD
University of Pennsylvania

Chester A. Mathis, PhD
*University of Pittsburgh School
of Medicine*

Sean Meagher, MD
*Central Illinois Radiological
Associates, Ltd.*

Carolyn C. Meltzer, MD, FACR
Emory University School of Medicine

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**ASNR 50th
ANNIVERSARY**

1962-2012

ANNUAL MEETING

NEW YORK, NY

Invited Speakers (as of 11/18/11)

Michelle A. Michel, MD
*Medical College of Wisconsin /
Froedtert Hospital*

David J. Mikulis, MD
Toronto Western Hospital, Canada

Andrew J. Molyneux, MD
*Neurovascular Research
Nuffield Surgery*

Michael T. Modic, MD
Cleveland Clinic Foundation

Gul Moonis, MD, BS
*Beth Israel Deaconess
Medical Center*

Christopher J. Moran, MD
*Washington University School
of Medicine*

Patrik Mukherjee, MD, PhD
*University of California,
San Francisco*

Suresh K. Mukherji, MD, FACR
*University of Michigan
Health System*

Srini Mukundan, Jr., MD, PhD
Brigham and Women's Hospital

Cameron G. McDougall, MD, FRCSC
*Barrow Neurological Institute /
St. Joseph's Hospital and
Medical Center*

Geraldine McGinty, MD, MBA
NRAD Medical Associates, P.C.

Thomas P. Naidich, MD
Mount Sinai Medical Center

Edward A. Neuwelt, MD
Oregon Health & Science University

Darren B. Orbach, MD, PhD
Children's Hospital Boston

Anne G. Osborne, MD
University of Utah Medical Center

Enrique Palacios, MD
Tulane University

Michael J. Paldino, MD
Children's Hospital Boston

Jeffrey R. Petrella, MD
Duke University Medical Center

C. Douglas Phillips, MD, FACR
*Weill Medical College of Cornell
University / New York Presbyterian
Hospital*

Stuart R. Pomerantz, MD
Massachusetts General Hospital

Whitney B. Pope, MD, PhD
*David Geffen School of
Medicine at University of California,
Los Angeles*

John D. Port, MD, PhD
Mayo Clinic, Rochester MN

M. Judith Donovan Post, MD, FACR
*University of Miami, Miller School
of Medicine*

James M. Provenzale, MD
Duke Medical Center

Robert M. Quencer, MD
*University of Miami, Miller School
of Medicine*

Perry F. Renshaw, MD, PhD, MBA
University of Utah

Timothy P.L. Roberts, PhD
Children's Hospital of Philadelphia

Caroline D. Robson, MB, ChB
Children's Hospital Boston

Howard E. Rockette, PhD
University of Pittsburgh

Gary F. Rogers, MD
Children's National Medical Center

Bruce R. Rosen, MD, PhD
*Boston Massachusetts
General Hospital*

Jeffrey S. Ross, MD
*Barrow Neurological Institute,
St. Joseph's Hospital*

Andrea Rossi, MD
G. Gaslini Children's Hospital, Italy

Alex Rovira, MD
Hospital Vall D'Hebron, Spain

Zoran Rumboldt, MD, PhD
*Medical University of
South Carolina*

Haris Sair, MD
Johns Hopkins Medicine

Stephen Salloway, MD, MS
*Warren Alpert Medical School
of Brown University*

Wendy Sanders, MA
*University of Maryland School
of Medicine*

Pina C. Sanelli, MD, MPH
*New York Presbyterian Hospital /
Cornell University*

Ilona M. Schmalzfuss, MD
*NF/SG Veterans Administration /
University of Florida*

Erin S. Schwartz, MD
Children's Hospital of Philadelphia

David J. Seidenwurm, MD, FACR
Radiological Associates

Aseem Sharma, MD
*Washington University School
of Medicine/ Mallinckrodt Institute
of Radiology*

Deborah R. Shatzkes, MD
St. Lukes-Roosevelt Hospital Center

Martha E. Shenton, PhD
*Harvard Medical School /
Brigham and Women's Hospital*

D. Christian Sonne, MD
*Kaiser Permanente Oakland
Medical Center*

Michael G. Stewart, MD
*Weill Medical College of
Cornell University*

Jeffrey A. Stone, MD
Mayo Clinic Florida

Pia C. Maly Sundgren, MD, PhD
*Lund University / Center for Medical
Imaging & Physiology, Sweden*

Joel D. Swartz, MD
Germantown Imaging Associates

Stephen T. Sweriduk, MD
Shields Healthcare Group

Prof. Dr. E. Turgut Tali
*Gazi University School of Medicine,
Turkey*

Majda M. Thurnher, MD
Medical University of Vienna, Austria

Johan W. Van Goethem, MD, PhD
*University Hospital of Antwerp,
Belgium*

Gilbert Vezina, MD
Children's National Medical Center

Fernando Vinuela, MD
*University of California Los Angeles
Medical Center*

Katie D. Vo, MD
*Mallinckrodt Institute of Radiology
and Washington University
Medical Center*

Ajay K. Wakhloo, MD, PhD
University of Massachusetts

Bruce A. Wasserman, MD
Johns Hopkins University

Alyssa T. Watanabe, MD
*Voxel Imaging, Inc. / University
of Southern California School
of Medicine*

Patrick Y. Wen, MD
*Dana-Farber / Brigham &
Women's Cancer Center*

Richard H. Wiggins, III, MD, CIIP
University of Utah

Daniel W. Williams, III, MD
*Wake Forest University School
of Medicine*

Dean F. Wong, MD, PhD
Johns Hopkins Medical Institution

Wade H.M. Wong, DO
*University of California
San Diego Medical Center*

David M. Yousem, MD, MBA
Johns Hopkins Medical Institution

Gregory J. Zipfel, MD
*Washington University in St. Louis
School of Medicine*

How-To Session 6:20a - 7:20a

Opening Remarks 7:25a - 7:30a

Breakfast 6:20a - 7:55a

Maintenance of Certification (MOC): Review Session (AR) Pediatrics 7:30a - 8:30a
Gilbert Vezina, MD; Timothy N. Booth, MD

ASPNR Programming: Fetal and Neonatal Imaging

8:30a-10:00a
8:30a - 8:55a Advanced Fetal and Neonatal Imaging Techniques *P. Ellen Grant, MD*
8:55a - 9:20a New Insights into Neurocognitive Deficits of Prematurity *A. James Barkovich, MD*
9:20a - 9:45a Fetal and Neonatal Cerebellar Abnormalities *Catherine Limperopoulos, PhD*
9:45a - 10:00a Discussion

Collaboration with Society of Neuro Oncology (SNO): Assessment of Tumor Recurrence in the Modern Era

8:30a-10:00a
8:30a - 8:50a Advanced Neuroimaging of Response and of Progression Following Anti-Angiogenic Therapy *Pia C. Maly Sundgren, MD, PhD*
8:50a - 9:10a Decision Making Following Anti-Angiogenic Therapy: The Neuro-Oncologist's Perspective *Tracy T. Batchelor, MD, MPH*
9:10a - 9:30a Advanced Imaging and Non-FDG PET for Differentiating True From Pseudo-Progression *Whitney B. Pope, MD, PhD*
9:30a - 9:50p Review of RANO *Patrick Y. Wen, MD*
9:50a - 10:00a Discussion

Synaptic Junction Programming: MR Safety for Patients with Implants

8:30a-10:00a
Emanuel Kanal, MD
Alex Mamourian, MD
Harold I. Litt, MD, PhD

Morning Beverage Break 10:00a - 10:30a

Parallel Scientific Paper Sessions 10:30a-12:00p

Lunch On Own 12:00p - 1:00p

Education Exhibits Tour 12:00p - 1:00p

ASFNR Programming: Implementing Functional Imaging in the Clinical Setting (SAM #1)

1:00p - 2:30p
1:00p- 1:25p fMRI *Jeffrey R. Petrella, MD*
1:25p - 1:50p ASL *Joseph A. Maldjian, MD*
1:50p - 2:15p Spectroscopy *Peter B. Barker, D.Phil., PhD*
2:15p - 2:30p Discussion



ASPNR Programming: Advanced Pediatric Neuroimaging Techniques

1:00p - 2:30p
1:00p - 1:25p Novel MR Techniques (DWI/DTI/fast SWI, etc) *Roland Bammer, PhD*
1:25p - 1:50p Advanced MR Imaging in Patients with Focal Epilepsy: Focus Detection and Abnormal Connectivity *Michael J. Poldino, MD*
1:50p - 2:15p Imaging Epileptic Discharges with Encephalographic MR *Darren B. Orbach, MD, PhD*
2:15p - 2:30p Questions and Answers

General Programming: CNS Infections

1:00p - 2:30p
1:00p - 1:20p Tropical Infection Update *M. Judith Donovan Post, MD, FACP*
1:20p - 1:40p CNS Lesions in AIDS: The HAART Era (to Include IRIS) *Emerson L. Gasparetto, MD, PhD*
1:40p - 2:00p Viruses: Difficulties in Diagnosing Viruses By Imaging *Zoran Rumboldt, MD, PhD*
2:00p - 2:20p Spinal Infections: An Update *Prof. Dr. E. Turgut Tali*
2:20p - 2:30p Questions and Answers

Socioeconomics Programming: Healthcare/ Payment Methodology/ Health Services

1:00p - 2:30p
Andrew W. Litt, MD
Frank J. Lexa, VII, MD, MBA
Marc D. Keshishian, MD

General Programming: Expert: How I Do It

1:00p - 2:30p
1:00p- 1:25p Thyroid and Parathyroid Imaging *Laurie A. Loevner, MD*
1:25p- 1:50p Evaluation of Suspected Dural Sinus Thrombosis: Principles and Pitfalls *James M. Provenzale, MD*
1:50p- 2:15p CSF Flow Imaging *Rafaeque A. Bhadelia, MD*
2:15p- 2:30p Discussion

Afternoon Beverage Break 2:30p - 3:00p

Parallel Scientific Paper Sessions 3:00p - 4:30p

ASPNR Programming: Pediatric Head and Neck (SAM #2)

4:45p - 6:15p
4:45p - 5:10p Craniofacial Malformations: Radiological Perspective *Susan I. Blaser, MD, FRCPC*
5:10p - 5:35p Craniofacial Malformations: Clinical Perspective *Gary F. Rogers, MD*
5:35p - 6:00p Syndromic Hearing Loss *Caroline D. Robson, MB, ChB*
6:00p - 6:15p Discussion



ASFNR Programming: Advanced Imaging in Psychiatric Disease: Opportunities and Trends

4:45p - 6:15p
4:45p - 5:10p Advanced Imaging of Affective Disorders and Schizophrenia *Perry F. Renshaw, MD, PhD, MBA*
5:10p - 5:35p Advanced Imaging for the Evaluation of Schizophrenia and Related Illnesses *Martha E. Shenton, PhD*
5:35p - 6:00p MR Techniques for Imaging in Psychiatric Disease: Current Status and Future Directions *John D. Port, MD, PhD*
6:00p - 6:15p Panel Discussion

Advanced Imaging Seminar: Molecular Neuroradiology

4:45p - 6:15p
Presenters: TBD

SCHEDULE KEY

All Sessions

- AI** = Advanced Imaging
- ASFNR** = American Society of Functional Neuroradiology
- ASHNR** = American Society of Head and Neck Radiology
- ASPNR** = American Society of Pediatric Neuroradiology
- ASSR** = American Society of Spine Radiology
- SNIS** = Society of NeuroInterventional Surgery
- SNO** = Society of Neuro Oncology
- SJ** = Synaptic Junction Programming

- AR**: Audience Response Sessions
- MOC**: Maintenance of Certification
- SAM**: Self Assessment Module Sessions



*NOTE: Programming is currently under review for approval for Self Assessment Modules (SAM) credit through the American Board of Radiology (ABR). Information and updates to be provided at www.asnr.org/2012.

ASNR 50th Anniversary Reception - Off Site Location - The Museum of Modern Art (MoMA) 7:00p - 10:00p

How-To Session 6:20a - 7:20a

Breakfast 6:20a - 7:55a

Maintenance of Certification (MOC)- Review Session (AR) Head and Neck 7:30a - 8:30a *Gul Moonis, MD, BS; Mary E. Cunnane, MD*

General Programming: Collaboration with Society of SILAN

8:30a - 10:00a Session in honor of Dr. Juan Taveras
8:30a - 8:40a Short Presentation about Dr. Juan Taveras
R. Gilberto Gonzalez, MD, PhD
8:40a - 9:00a Arteriovenous Malformations *Fernando Vinuela, MD*
9:00a - 9:20a Neurocysticercosis and Other Tropical Infectious Diseases
Enrique Palacios, MD, FACR
9:20a - 9:40a Multiple Sclerosis *Alex Rovira, MD*
9:40a - 10:00a Temporal Lobe Epilepsy *Andres Arbelaez, MD*

General Programming: Alzheimer's Dementia

8:30a - 10:00a
8:30a - 8:50a Preclinical Alzheimer's Dementia: A New Frontier in Treatment Trials *Stephen Salloway, MD, MS*
8:50a - 9:10a Amyloid Imaging of Alzheimer's Dementia and Beyond *Chester A. Mathis, PhD*
9:10a - 9:30a Quantitative Volumetric Imaging in AD Diagnosis and Treatment Trials *Anders Dale, PhD*
9:30a - 9:50a Bridging the Gap: What Can Functional Neuroimaging Tell Us about the Pathophysiology in Alzheimer's Disease *Jeffrey R. Petrella, MD*
9:50a - 10:00a Panel Discussion

Synaptic Junction Programming: DTI for Dummies

8:30a - 10:00a
Andrew G. Bleicher, MD
Vikas Agarwal, MD
Michael L. Lipton, MD, PhD

Young Professional Programming: Entering and Thriving in Community Practice

8:30a - 10:00a
8:30a - 8:45a Welcome to the Real World *John E. Jordan, MD*
8:45a - 9:00a Understanding the Food Chain *Robert M. Barr, MD*
9:00a - 9:15a The Corporate Environment *Stephen T. Sweriduk, MD*
9:15a - 9:30a The HMO Environment *D. Christian Sonne, MD*
9:30a - 9:45a Making the Transition *David J. Seidenwurm, MD, FACR*
9:45a - 10:00a Questions and Answers

General Programming: Advanced CT Imaging

8:30a - 10:00a
8:30a-9:00a Dual Energy CT *Rajiv Gupta, MD, PhD*
9:00a-9:30a Interactive Reconstruction *Stuart R. Pomerantz, MD*
9:30a-10:00a Wide Coverage CT *Srini Mukundan, Jr., MD, PhD*

Morning Beverage Break 10:00a - 10:30a

Parallel Scientific Paper Sessions 10:30a - 12:00p

Lunch On Own 12:00p - 1:00p

Young Professionals Luncheon 12:00p - 1:00p

ASPNR Annual Business Meeting (for members only) 12:00p - 1:00p

ASPNR Programming: 2012 ASPNR Interesting Case Session

1:00p - 2:30p
A. James Barkovich, MD
- Brain
Andrea Rossi, MD - Spine
Larissa T. Bilaniuk, MD
- Head and Neck

ASFNR Programming: Emerging Techniques in Functional Neuroradiology

1:00p - 2:30p
1:00p - 1:25p PET Imaging for Beta Amyloid Evaluation *Dean F. Wong, MD, PhD*
1:25p - 1:50p Brain MR Imaging with Use of Iron Oxide Nanoparticle, Ferumoxytol, in Preclinical and Clinical Studies *Edward A. Neuwelt, MD*
1:50p - 2:10p VASO MR Imaging for Blood Volume Imaging *Hanzhang Lu, PhD*
2:10p - 2:30p Resting State fMRI for Mapping Brain Networks *Haris Sair, MD*

ASHNR Programming: Skull Base

1:00p - 2:30p
1:00p - 1:25p Skull Base Anatomy/ Developmental Lesions
C. Douglas Phillips, MD, FACR
1:25p - 1:50p Intrinsic Skull Base Pathology
Richard H. Wiggins, III, MD, CIIP
1:50p - 2:15p Nasopharyngeal Neoplasms
Christine M. Glastonbury, MBBS

Young Professional Programming: Academic Session

1:00p - 2:30p
1:00p - 1:15p Getting Your First Job *Carolyn C. Meltzer, MD, FACR*
1:15p - 1:30p Building a Research Program *Soonmee Cha, MD*
1:30p - 1:45p The Different Components of Academic Radiology
Suresh K. Mukherji, MD, FACR
1:45p - 2:00p Getting Promoted: The Different Promotion Tracts
David M. Yousem, MD, MBA
2:00p - 2:30p Discussion

General Programming: Intracranial Vessel Wall Imaging

1:00p - 2:30p
1:00p - 1:25p From Extracranial to Intracranial Disease: A New Frontier in Vascular Imaging *Bruce A. Wasserman, MD*
1:25p - 1:50p Vessel Wall MRI Imaging of Intracranial Vasculopathies
David J. Mikulis, MD
1:50p - 2:15p Intracranial Vascular Imaging at 7T *Jeroen Hendrikse, MD, PhD*
2:15p - 2:30p Questions

Afternoon Beverage Break 2:30p - 3:00p

Parallel Scientific Paper Sessions 3:00p - 4:30p

Grant Writing Seminar 3:00p - 4:30p

3:00p - 3:20p Early Career Awards *Timothy P.L. Roberts, PhD*
3:20p - 3:40p How to Prepare Your First Grant Submission *Wendy Sanders, MA*
3:40p - 4:00p How to Avoid Common Pitfalls in Grant Submission *Peter B. Barker, D.Phil, PhD*
4:00p - 4:30p Panel Discussion

ASHNR Programming: Sinus/Orbit

4:45p - 6:15p
4:45p - 5:10p Orbit Tumors and Vascular Lesions *Deborah R. Shatzkes, MD*
5:10p - 5:35p Sinonasal Anatomy
Michelle A. Michel, MD
5:35p - 6:00p Sinonasal and Orbital Infections
Daniel W. Williams, III, MD
6:00p - 6:15p Discussion

General Programming: Aneurysms 4:45p - 6:15p

4:45p - 5:05p Aneurysm Biology and Implications for Treatment *Ajay K. Wakhloo, MD, PhD*
5:05p - 5:25p Flow Diversion *David J. Fiorella, MD, PhD*
5:25p - 5:45p Biologically Active Coils *Cameron G. McDougall, MD*
5:45p - 6:05p Aneurysm Clinical Trials and Tribulations
Andrew J. Molyneux, MD
6:05p - 6:15p Questions

What is Quality? Perspectives from Patient, The Payers and Least Importantly Us? (SAM #3)

4:45p - 6:15p
4:45p - 4:57p Academic Neuroradiology *Suresh K. Mukherji, MD, FACR*
4:57p - 5:09p Private Practice Neuroradiology *Sean Meagher, MD*
5:09p - 5:21p Government *David J. Seidenwurm, MD, FACR*
5:21p - 5:33p Clinical *Michael G. Stewart, MD*
5:33p - 5:45p Patient *Crystal A. Jones*
5:45p - 6:15p Discussion

Synaptic Junction Programming: Point/CounterPoint: Communicating Results Directly to Patients

4:45p - 6:15p
Annette J. Johnson, MD, MS

Advanced Imaging Seminar: Neurotransmitter and Imaging

4:45p - 6:15p
 Presenters: TBD

SCHEDULE KEY

All Sessions

AI = Advanced Imaging

ASFNR = American Society of Functional Neuroradiology

ASHNR = American Society of Head and Neck Radiology

ASPNR = American Society of Pediatric Neuroradiology

ASSR = American Society of Spine Radiology

SNIS = Society of NeuroInterventional Surgery

SILAN = Ibero-Latin American Society of Neuroradiology

SJ = Synaptic Junction Programming

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SAM: Self Assessment Module Sessions

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How-To Session 6:20a - 7:20a

Breakfast 6:20a - 7:55a

Maintenance of Certification (MOC)- Review Session (AR) Cerebrovascular 7:30a - 8:30a

Mahesh V. Jayaraman, MD; Clifford J. Eskey, MD, PhD

General Session: Luminary Session: Past, Present and Future

8:30a - 10:00a

8:30a - 8:40a Founding the American Society of Neuroradiology *Michael S. Huckman, MD*

8:40a - 8:55a Major Milestones in the History of the ASNR *Anne G. Osborn, MD*

8:55a - 9:10a We've Come A Long Way: Key Technologic Advances in the Last 50 Years, Creating Images Then and Now
R. Nick Bryan, MD, PhD

9:10a - 9:25a Neurointerventional Radiology: 50 Years Ago and 50 Years from Now *Alex Berenstein, MD*

9:25a - 9:40a Where Neuroradiology Stands Today *Patricia A. Hudgins, MD*

9:40a - 10:00a Neuroimaging Studies of the Future *Bruce R. Rosen, MD, PhD*

Morning Beverage Break 10:00a - 10:30a

Keynote Speaker 10:30a - 11:00a *Robert I. Grossman, MD*

ASNR Presidential Address 11:00a - 11:15a *David B. Hackney, MD, FACR*

ASNR Award Announcements 11:20a - 11:30a

ASNR Annual Business Meeting (for members only) 11:30a - 12:00p

Gold Medal Award • Honorary Member Award •
2011 Trainee Award • Cornelius G. Dyke Memorial
Award • 2012 The Foundation of the ASNR Outstanding
Contribution in Research Award • 2012 The Foundation
of the ASNR Scholar Award in Neuroradiology Research
• 2012 The Foundation of the ASNR Research Scientist
Award • 2011 Outstanding Presentation Awards

Lunch On Own 12:00p - 1:00p

ASHNR Programming: Head and Neck Cancer (SAM #4)

1:00p - 2:30p

1:00p - 1:25p PET: Current Thoughts *Suresh K. Mukherji, MD, FACR*

1:25p - 1:50p HPV-Associated Neoplasia *Lawrence E. Ginsberg, MD*

1:50p - 2:15p Laryngeal/Hypopharyngeal Cancer *Ilona M. Schmaljuss, MD*

2:15p - 2:30p Discussion



SNIS Programming: Venous Disease

1:00p - 2:30p

1:00p - 1:15p Diagnosis *Aseem Sharma, MD*

1:15p - 1:30p Treatment *Donald F. Frei, Jr., MD*

1:30p - 1:45p CCSVI *Howard L. Dorne, MD*

1:45p - 2:00p Idiopathic Intracranial Hypertension

David A. Kumppe, MD, FACR

2:00p - 2:30p Discussion

ASSR Programming: Advanced Imaging of the Spine and Disk

1:00p - 2:30p

1:00p - 1:15p Biology of Disk Degeneration *Jeffrey Lotz, PhD*

1:15p - 1:30p High Field Strength MR Imaging of Spine and Spinal Cord Anatomy

Thomas P. Naidich, MD

1:30p - 1:45p Advanced Imaging of Disk Degeneration *David B. Hackney, MD, FACR*

1:45p - 2:00p Diffusion Tensor of the Spine and Cord *Meng Law, MD*

2:00p - 2:30p Discussion

Synaptic Junction Programming: Dose Extraction

1:00p - 2:30p

Presenters: TBD

Afternoon Beverage Break 2:30p - 3:00p

Parallel Scientific Paper Sessions 3:30p - 4:30p

ASSR Programming: Epidemiology Basics for Spine Imaging and Interventions

4:45p - 6:15p

4:45p - 5:05p Epidemiology of Low Back Pain and Sciatica: Historically Fundamental Studies *Walter S. Bartynski, MD*

5:05p - 5:25p The SPORT Trial: Review of Results for HNP, Stenosis and Spondylolysis *Alan S. Hilibrand, MD*

5:25p - 5:45p Objective Outcome Criteria for Assessment Spine Interventional Treatment: Basic Paradigms and Implementation in a Spine Intervention Practice *David F. Kallmes, MD*

5:45p - 6:05p The Statistics of Controlled Trials

Howard E. Rockette, PhD

6:05p - 6:15p Discussion

Socioeconomics Programming: The Nuts & Bolts of Health Care Payment and Reform: What You Need to Know!

4:45p - 6:15p

4:45p - 4:58p Current Procedure Terminology (CPT)

Jacqueline A. Bello, MD

4:58p - 5:10p AMA/Specialty Relative Value Scale Updated Committee (RUC) *William D. Donovan, MD, MPH, FACR*

5:10p - 5:22p Relativity Assessment Workgroup (RAW)

Geraldine McGinty, MD, MBA

5:22p - 5:34p Patient Protection and Affordable Care Act (ACA)

Carolyn C. Meltzer, MD, FACR

5:34p - 5:46p Accountable Care Organizations

Suresh K. Mukherji, MD, FACR

5:46p - 6:15p Discussion

SNIS Programming: Dural Arteriovenous Fistulae

4:45p - 6:15p

4:45p - 5:15p Diagnosis

Katie D. Vo, MD

5:15p - 5:45p Classification and Natural History

Gregory J. Zipfel, MD

5:45p - 6:15p Treatment

DeWitte T. Cross, III, MD

ASHNR Programming: Temporal Bone

4:45p - 6:15p

4:45p - 5:15p The Internal Auditory Canal: Anatomy and Pathology *John I. Lane, MD*

5:15p - 5:45p Temporal Bone Neoplasia *H. Ric Harnsberger, MD*

5:45p - 6:15p Acute and Chronic Inflammatory Disease of the Temporal Bone *Joel D. Swartz, MD*

Avanced Imaging Seminar: Faster and Faster

4:45p - 6:15p

Presenters: TBD

Closing Reception with Technical Exhibitors 6:30p - 7:30p

SCHEDULE KEY

All Sessions

AI = Advanced Imaging

ASFNR = American Society of Functional Neuroradiology

ASHNR = American Society of Head and Neck Radiology

ASPNR = American Society of Pediatric Neuroradiology

ASSR = American Society of Spine Radiology

SNIS = Society of NeuroInterventional Surgery

SJ = Synaptic Junction Programming

AR: Audience Response Sessions

MOC: Maintenance of Certification

SAM: Self Assessment Module Sessions



*NOTE: Programming is currently under review for approval for Self Assessment Modules (SAM) credit through the American Board of Radiology (ABR). Information and updates to be provided at www.asnr.org/2012.

How-To Session 6:20a - 7:20a

Breakfast 6:20a - 7:55a

Maintenance of Certification (MOC)- Review Session (AR) Spine 7:30a - 8:30a

Jeffrey S. Ross, MD; Michael T. Modic, MD

ASSR Programming: The Sacroiliac Joint and Pelvis: Imaging and Interventions (SAM #5)

8:30a - 10:00a

8:30a - 8:50a Anatomy and Imaging of the SIJ and Pelvis for the Spine Interventionalist *Alyssa T. Watanabe, MD*

8:50a - 9:10a Innervation of the Sacroiliac Joint: Implications for Diagnostic Testing and Selection for RF Ablation *Paul Dreyfuss, MD*

9:10a - 9:30a Diagnostic and Therapeutic Injections of the Sacroiliac Joint and Pelvis *Jeffrey A. Stone, MD*

9:30a - 9:50a RF Ablation of the SIJ: Review of Technique Options and Treatment Success *Wade H.M. Wong, DO*

9:50a - 10:00a Discussion



Collaboration with European Society of Neuroradiology (ESNR) White Matter Disease

8:30a - 10:00a

8:30a - 8:50a State of the Art MR Imaging of Multiple Sclerosis and Other Demyelinating Disease *Frederik Barkhof, MD*

8:50a - 9:10a Pediatric Multiple Sclerosis, ADEM and Other Demyelinating Diseases: Where Do We Stand? *Andrea Rossi, MD*

9:10a - 9:30a Demyelinating Diseases of the Spinal Cord *Majda M. Thurnher, MD*

9:30a - 9:50a White Matter Damage in Neurodegenerative Diseases Assessed Using Advance MRI Techniques *Federica Agosta, MD*

9:50a - 10:00a Discussion

Socioeconomic Programming: Current Issues in Stroke Imaging and Treatment: What is the Evidence?

8:30a - 10:00a 2012 J. Arliss Pollock, MD Memorial Lecture:

8:30a - 8:50a How Much Evidence is Truly Available?

Pina C. Sanelli, MD, MPH

8:50a - 9:15a Neuroimaging In Acute Ischemic Stroke *Katie D. Vo, MD*

9:15a - 9:45a Endovascular Treatment of the Stroke Patient

Daniel K. Hallam, MD, MSc

9:45a - 10:00a Panel Discussion

Morning Beverage Break 10:00a - 10:30a

Parallel Scientific Paper Sessions 10:30a - 12:00p

Lunch On Own 12:00p - 1:00p

Parallel Scientific Paper Sessions 1:00p - 2:30p

Afternoon Beverage Break 2:30p - 3:00p

SCHEDULE KEY

All Sessions

AI = Advanced Imaging

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ASHNR = American Society of Head and Neck Radiology

ASPNR = American Society of Pediatric Neuroradiology

ASSR = American Society of Spine Radiology

ESNR = European Society of Neuroradiology

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SJ = Synaptic Junction Programming

AR: Audience Response Sessions

MOC: Maintenance of Certification

SAM: Self Assessment Module Sessions

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SNIS Programming: Carotid Disease (SAM #6)

3:00p - 4:30p

3:00p - 3:20p Diagnosis *Colin P. Derdeyn, MD*

3:20p - 3:40p Treatment *Donald V. Heck, MD*

3:40p - 4:00p CEA Versus CAS Trials *Christopher J. Moran, MD*

4:00p - 4:30p Questions and Answers



General Programming: Mild Traumatic Brain Injury

3:00p - 4:30p

3:00p - 3:20p MILD TBI: What is It? What Can Be Done? What Can Imaging Bring to the Table? *Erin D. Bigler, PhD*

3:20p - 3:40p Animal Models Reveal the Pathologic Basis for Clinical Imaging Findings *Craig A. Branch, PhD*

3:40p - 4:00p White Matter Injury in mTBI: Why it Matters Most and How Imaging Can Improve Detection *Pratik Mukherjee, MD, PhD*

4:00p - 4:20p Translating Advanced Imaging Approaches to Patient Care: Promise and Pitfalls *Michael L. Lipton, MD, PhD*

4:20p - 4:30p Discussion

ASSR Programming: Spine Potpourri

3:00p - 4:30p

3:00p - 3:30p Making Imaging Interpretation Clinically Relevant to the Spine Surgeon *Robert M. Quencer, MD*

3:30p - 4:00p Spinal Alignment: Why Pelvic Incidence, Cob Angles and Kyphosis are Important in Spinal Balance, Scoliosis and Spondylolisthesis *Johan W. Van Goethem, MD, PhD*

4:00p - 4:30p Hot Topics in Vertebral Augmentation *Allan L. Brook, MD*

Closing Remarks 4:30p - 4:45p

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Education Exhibition

The ASNR 50th Annual Meeting Education Exhibition in the Education Exhibits Hall of the Hilton New York Hotel, from Monday, April 23-Thursday, April 26, 2012. The following will be available for viewing by attendees:

- Electronic Education Exhibits (eEdE)
- Scientific Posters (Electronic or Print)
- Education Exhibits (Print)

2012 Education Exhibits Tour

Rhineland Gallery

Monday, April 23..... 12:00pm – 1:00pm

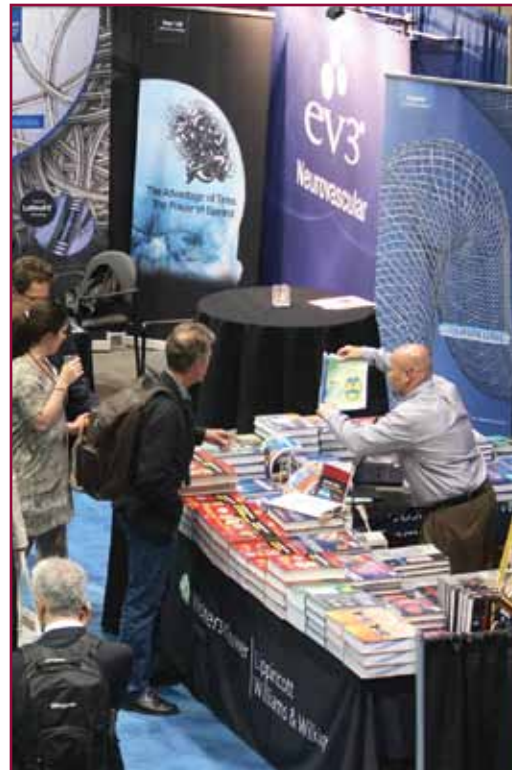
Wednesday, April 25 12:00pm – 1:00pm

NEW! You will receive CME credits for participating in the Education Exhibits Tour a Review of Education Exhibits, visual presentations/educational displays designed to further the understanding of Neuroradiology by featuring cutting edge material or by offering an instructional review of a particular topic.

The session will allow for review of visually-oriented educational displays that demonstrate novel and innovative applications for computers in Neuroradiology clinical practice, training and research. Share this educational opportunity with your colleagues and primary exhibit presenters and exchange in a lively Questions and Answer session.

Technical Exhibition

The ASNR 50th Annual Meeting Technical Exhibition will be held at the Hilton New York Hotel in the Americas Hall I from Tuesday, April 24 through Thursday, April 26, 2012. Companies will be presenting a wide-range of neuroradiological and interventional products and related services. Registrants are urged to take advantage of this valuable portion of the Annual Meeting.



HOW-TO SESSIONS

How-To Sessions

The leadership of the ASNR is pleased to present more instructional How-To Sessions. These one-hour sessions, presented by major corporate contributors, deal with advances in imaging and procedures, as well as principles in Neuroradiology and image information management. The How-To Sessions are scheduled during breakfast throughout the week.

The How-To Sessions offer a unique opportunity for neuroradiologists to discuss techniques, procedures and products with their colleagues as well as with technical specialists from the imaging industry.

The sessions may include a brief didactic presentation and demonstration, all with a strong practical emphasis. A significant portion of each session is devoted to questions and answers. As problems and solutions relating to the imaging techniques will be addressed with previous years sessions addressing clinical CT Imaging. Practical Neuro CTA and advances in MR Imaging.

Please note: Due to the direct financial support from companies to conduct these sessions, CME credit hours will not be granted for any How-To Sessions.

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Young Professionals Programming

(Fellows, Residents, Medical Students and Neuroradiologists in their first three years in practice)

Young Professionals Programming Sessions Tuesday, April 24, 2012

8:30am-10:00am

Entering and Thriving in Community Practice

Welcome to the Real World

John E. Jordan, MD

Understanding the Food Chain

Robert M. Barr, MD

The Corporate Environment

Stephen T. Sweriduk, MD

The HMO Environment

D. Christian Sonne, MD

Making the Transition

David J. Seidenwurm, MD, FACR

1:00pm-2:30pm

Academic Session

Getting Your First Job

Carolyn C. Meltzer, MD, FACR

Building a Research Program

Soonmee Cha, MD

The Different Component of Academic Radiology

Suresh K. Mukherji, MD, FACR

Getting Promoted: The Different Promotion Tracks

David M. Yousem, MD, MBA

Young Professional's Lounge

Saturday, April 21- Thursday, April 26, 2012

6:30am-6:00pm

Regent Parlor at the Hilton New York Hotel

This will provide a "home base" for Young Professionals to network and share knowledge and experience throughout the meeting.

Don't forget to attend the Young Professional's Luncheon

Tuesday, April 24, 2012

12:00pm-1:00pm

Gramercy Suite at the Hilton New York Hotel

North American Neuroradiology Fellows and Radiology Residents... become an ASNR Member-In-Training today and then register for the meeting at the REDUCED ASNR Member-In-Training Fee.

1. Download a *Member-In-Training* application at www.asnr.org
2. Select 'JOIN ASNR', print, complete and return the application by fax, email or mail back to ASNR Headquarters Office.

*Please make sure your handwriting is legible

Email: membership@asnr.org

Fax: 630-574-0661

Mail: American Society of Neuroradiology

2210 Midwest Road, Suite 207

Oak Brook, IL 60523-8205

Attention: Membership

3. You will be notified via email by the ASNR Membership Department regarding your membership status
4. Upon receiving email confirmation that you are a ASNR *Member-In-Training* you may register for the Annual Meeting at the reduced registration fee.

Win/Win Offer that you cannot resist!!!

Membership dues are waived for ASNR *Members-In-Training* who are currently in a ACGME (U.S.) or RCPSC (Canadian) Neuroradiology fellowship or Radiology residency training program.

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SYNAPTIC JUNCTION
connecting your practice

Synaptic Junction Programming

The ASNR Synaptic Junction provides the opportunity for connecting your practice to the future through offerings focused on enhancing workflow, efficiency, standardization of interpretation and reporting, and improvements in revenue cycle, particularly those that involve software, hardware and informatics-based solutions.

Synaptic Junction Programming Lectures

Synaptic Junction provides the opportunity for connecting your practice to the future through offerings focused on enhancing workflow, efficiency, standardization of interpretation and reporting, and improvements in revenue cycle, particularly those that involve software, hardware and informatics-based solutions.

Lectures Include:

MRI Safety for Patients with Implants

Radiologists have traditionally excluded from MRI patients with pacemakers, retained leads, vagal stimulators, and other implants. However, new safety standards are relaxing the criteria for safe scanning, and many patients who would have traditionally been excluded may now be safely imaged. This session will review current safety standards and encourage neuroradiologists to image patients with metallic implants.

Point/Counterpoint: Communicating Results Directly to Patients

Mammographers have long accepted their role in communicating test results directly to patients, in addition to the clinicians caring for those patients. Is it time for neuroradiology to adopt similar procedures for direct communication of results to patients? This session is formatted as a debate to elicit positive and negative aspects of direct-to-patient radiologist communication.

DTI for Dummies

Diffusion Tractography explained from the bottom up. Hardware and software requirements; imaging protocols; automated and manual aspects of post-processing; image storage; clinical applications; and basics of interpretation.

Dose Extraction

Radiation Dose has always been a focus of discussion for radiologists, but in recent years, it has become a major focus for administrators, politicians, journalists, and compliance committees. This session will discuss the options that are available for extracting dose information from CT scanners, for tabulating results, for comparing to other institutions, and for summarizing radiation dose statistics.

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ASNR 50th Anniversary Reception & Closing Reception



Photo: Timothy Hursley

Vincent van Gogh. The Starry Night. 1889. Oil on canvas. 29 x 36 1/4" (73.7 x 92.1 cm). The Museum of Modern Art, New York. Acquired through the Lillie P. Bliss Bequest. Photograph © 2011 The Museum of Modern Art, New York.

ASNR 50th Anniversary Reception

Monday, April 23, 2012

Off-site Location: The Museum of Modern Art, NY

7:00pm-10:00pm

Join us at The Museum of Modern Art to celebrate ASNR's 50th Anniversary. MoMA is often identified as the most influential museum of modern art in the world. Art enthusiasts and novices alike are often awestruck by the masterpieces before them, including Monet's Water Lilies, Picasso's Les Femmes d'Alger (O.J. No. 115) and van Gogh's Starry Night. The museum's collection offers an unparalleled overview of modern and contemporary art, including works of architecture and design, drawings, painting, sculpture, photography, prints, illustrated books and artist's books, film and electronic media.

In addition to the artwork, one of the main draws of MoMA is the building itself. The main entrance is a 110 foot atrium and inside a maze of glass walkways permits art viewing from many angles. Also of interest is the Abby Aldrich Rockefeller Sculpture Garden. A glass wall lets visitors look directly into the surrounding galleries from the garden, where there's also a reflecting pool and trees.

You don't want to miss this special experience. We look forward to welcoming you to The Museum of Modern Art.

- Includes access to the gallery, sculpture garden, dinner buffet and three (3) hour open bar
- FREE for those who register for the meeting.
- Guest Ticket is \$75.00 USD



Annual Meeting Closing Reception with Technical Exhibitors

Wednesday, April 25, 2012

Hilton New York Hotel in Americas Hall I

6:30pm-7:30pm

We look forward to closing the social events with a pre-dinner reception of New York's culinary favorites. The reception, located in Americas Hall I offers attendees the perfect opportunity to see this year's Technical Exhibition, the ASNR's annual showcase for the newest products and services for the field of Neuroradiology. Enjoy complimentary pre-dinner hors d'oeuvres and beverages while you interact with ASNR exhibitor representatives. The ASNR Technical Exhibition is the place where advanced technology, diagnostic and interventional Neuroradiological excellence come together.

- Includes pre dinner buffet and one (1) hour open bar
- FREE for those who register for the meeting.
- Guest Ticket is \$40.00 USD

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Meeting Registration Policy

Badges

- Name badges will be picked up onsite.
- Requests for a new badge are subject to a \$15 replacement fee

Changes

All Registration changes and cancellations must be made in writing by Friday, March 23, 2012. There is an administration fee of \$25 USD for change.

- Fax all requests for changes to (630) 574-1740
- Email all requests for changes to mryan@asnr.org
- Send all requests for changes to:

ASNR 50th Annual Meeting
2210 Midwest Road, Suite 207
Oak Brook, Illinois 60523-8205 U.S.A.

Cancellations

- Cancellations made prior to Friday, March 23, 2012 will result in a \$100 USD cancellation fee
- Cancellations made after Friday, March 23, 2012 will **NOT BE REFUNDED**.
- **Cancellations will not be accepted by phone!**

Refunds

- Refunds will be issued 6-8 weeks after the close of the meeting
- Refunds will not be issued for no-shows

3 Easy Ways To Register

1. Online* at:

www.asnr.org/2012
*Credit card payments only

2. Mail:

ASNR 50th Annual Meeting
2210 Midwest Road, Suite 207
Oak Brook, Illinois
60523-8205 U.S.A.

3. Fax:

(630) 574-1740
Fax completed form to
Attention: Meeting
Registration

2012 Registration Policies

	Before Friday, March 23, 2012	After 5:00pm CST Friday, March 23, 2012
Registration Fee	Stated Registration Fee	\$100 USD Increase of Registration Fee
Registration Changes	\$25 USD Administrative Fee	\$25 USD Administrative Fee
Registration Cancellations		NO REFUNDS to registration cancellation after Friday, March 23, 2012.

Phone Inquiries:

Canada and International: +1 (630) 574-1376
U.S.A. (Toll-Free): 1 (888) 734-7300

Email Inquiries:

meetings@asnr.org

**\$100 Increase of Registration Fee
after 5:00pm CST Friday, March, 23, 2012**

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2012 Headquarters Hotel - Hilton New York

Discover an extraordinary Hilton New York hotel and see New York from a fresh perspective. Hilton New York offers modern hotel accommodations and just steps from top city attractions. Find a quiet respite from the city that never sleeps in the hotel rooms that are spacious and modern. Step outside this exquisite Midtown New York hotel and find yourself within blocks of Central Park, Times Square, Theater District, 5th Avenue shopping, The Museum of Modern Art (MoMA) and so much more.

Restaurants

Enjoy the breakfast buffet at the MarketPlace Café, the buffet features more than 30 favorites, including made-to-order omelets. Also, grab a delicious cup of coffee from Starbucks that is located in the main lobby and the MarketPlace Café. At lunch grab a quick bite at either the MarketPlace Café, offering a diverse selection of New York favorites from homemade pastas to brick oven cooked pizzas or the Lobby Lounge where you can enjoy a light lunch. For Dinner make sure to visit Etrusca for authentic Mediterranean cuisine. Enjoy hand-made pastas and risottos, succulent meats, fresh seafood and the freshest local produce.

Guest Accommodations

Indulge in first-class amenities and a spacious layout in our distinctive guest rooms. Choose from several different room type of restful hotel rooms. Enjoy added features such as a in-room thermostat control, 27 inch television, on-demand entertainment including video games, refreshment center, large work space, coffeemaker and two telephones with voicemail and data port. Enjoy a restful night's sleep on the Serenity Beds with the Suite Dreams mattress and box spring and Super Topper mattress pad, down-filled comforters and Touch of Down pillows. Each room includes Hilton alarm clock radio complete with MP3 connections.

King Bed or Double Beds

King Bed and two double bedded guest rooms are beautifully decorated with solid maple woods and leather accents, with all the necessities for an unforgettable stay. Each guest room offers a comfortable chair with ottoman, large work desk, two-line telephones with voicemail, in-room safe, coffeemaker, mini-bar, iron, ironing board and ion hair dryer.

Rate Per Night: \$319.00 One (1) Night Deposit Requirement: \$370.00

Advance Housing Deposit Why is it Required?

The ASNR has incurred attrition charges for rooms in our hotel block where reservations were cancelled or "no-shows" at the last minute at several of our recent annual meetings. This is a substantial expense that is passed on to those who do attend the Meeting in the form of higher registration fees. When these reservations are not fulfilled, the ASNR is charged the room rate plus tax for every room below our contracted numbers. As a part of ASNR plan for eliminating attrition, the Advance Housing Deposit policy was implemented in 2002 along with other measures to control Meeting costs. This plan has been successful, and the amount of last-minute cancellations and no-shows has decreased significantly in recent years. As a result, the contribution of attrition fees to the registration fee charged to participants also has decreased. If you should have any questions concerning these policies in effect for the ASNR 50th Annual Meeting, please contact:

Lora Tannehill, CMP
ASNR Director of Scientific Meetings
630-574-0220 ext. 229
ltannehill@asnrg.org



Hilton New York

1335 Avenue of the Americas • New York, New York 10019

If you have any questions, please contact Mollie Ryan at the ASNR Headquarters Office, (630) 574-0220 ext. 231 or via email at mryan@asnrg.org

**Click here
to register!**

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ANNUAL MEETING

NEW YORK, NY

2012 Housing Policy

Changes & Cancellations:

- Attendee hotel reservations for the 50th Annual Meeting must be made by booking online at www.asnr.org/2012 or by fax at (630) 574-1740.
- The ASNR requires prepayment of an advance housing reservation deposit.
- The advance housing reservation deposit is payable by credit card.
- The advance deposit will be charged at time of reservation by ASNR and will appear on your credit card statement (Statement will read ASNR/AJNR).
- A credit card is required to complete the process, but the hotel will not charge your credit card prior to arrival.
- The deposit will appear as a credit on your room account upon arrival.

Reminders:

**CANCELLATIONS made in writing
BEFORE Friday, March 9, 2012 will result
in a FULL REFUND**

**CANCELLATIONS made AFTER 5:00pm CST
on Friday, March 9, 2012 NO REFUNDS
will be given**

**CHANGE in Housing Reservation
AFTER Friday, March 30, 2012 can be made
with Hilton New York Hotel directly**

Booking Your Housing Reservation ONLINE:

1. Before you can make a hotel reservation you must register for the ASNR Annual Meeting
2. Provide ASNR with the advance housing deposit of **\$370.00 USD** for the Hilton New York
3. At that time you will also provide your arrival and departure dates along with any special room requests
4. Once you've paid the advance housing deposit and confirmed your housing details you will receive an email from the ASNR *confirming* your hotel reservation
5. **Hilton New York will send your hotel room confirmation the beginning of April 2012**
6. The deposit will appear as a credit on your room account folio upon arrival check-in

FAX:

1. Before you can make a hotel reservation you must register for the ASNR Annual Meeting
2. Fax your reservation form to ASNR (630) 574-1740
3. ASNR will charge you the advance housing deposit of **\$370 USD for the Hilton New York**
4. Once the ASNR has made the hotel reservation you will receive an email/fax from the ASNR *confirming* your room reservation
5. **Hilton New York will send your hotel room confirmation the beginning of April 2012**
6. The deposit will appear as a credit on your room account folio upon arrival check-in

Refunds:

- All ASNR reduction and cancellation penalties apply upon payment of the advance housing deposit
- Refunds will be issued 6–8 weeks after the close of the meeting
- Refunds will not be issued for no-shows

3 Easy Ways To Register and Reserve a Hotel Room

1. Online www.asnr.org/2012

2. Fax 630-574-1740

*Attention: Meetings
Department*

3. Mail ASNR
2210 Midwest Road,
Suite 207
Oak Brook, IL 60523-8205
U.S.A.

Questions? mryan@asnr.org

Enclose money order for the Advance
Housing Deposit or guarantee to a major
credit card.

**HOUSING RESERVATION DEADLINE:
FRIDAY, MARCH 9, 2012**

Meeting Registration Form: Part I

Please make sure that your handwriting is legible. If not, please type or complete the form online.

First Name: _____ Initial: _____

Last/Family Name: _____

Degree: _____ Badge (First Name/Nickname): _____

Institution: _____ Department: _____

Preferred Mailing Address: Work Home

Street Address: _____

City: _____ State/Province: _____

Zip (Postal) Code: _____ Country: _____

Office Phone: _____ Home Phone: _____

Cell Phone: _____ Fax: _____

E-mail: _____


Emergency Contact:

Name: _____ Relationship: _____

Telephone _____

Special Needs:

Please check here if you have any special needs or requirements and an ASNR representative will contact you.

- Vegetarian meal Wheelchair/Mobility Access 
- Lactose free meal Vision/Hearing Kosher meal
- Other special needs _____

Cancellation Policy/Registration Changes:

All registration changes and cancellations must be made in writing.

- Cancellations made prior to Friday, March 23, 2012 will result in a \$100 USD cancellation fee
- Cancellations made after Friday, March 23, 2012 will result in **NO REFUND**
- Any registration changes will result in a \$25 administration fee
- **Cancellations changes will not be accepted by phone!**

Registration Fee increase of \$100 AFTER Friday, March 23, 2012

3 Easy Ways To Register

1. Online* at www.asnr.org/2012

*Credit card payments only

2. Mail:

ASNR 50th Annual Meeting
2210 Midwest Road, Suite 207
Oak Brook, Illinois 60523-8205 U.S.A.

3. Fax: (630) 574-1740

Fax completed form to ATTN: Meeting Registration

Phone Inquiries:

Canada & International:

+1 (630) 574-1376

U.S.A. (Toll-Free): 1 (888) 734-7300

Email Inquiries: mryan@asnr.org

PLEASE NOTE: Payment must be made in U.S. funds, drawn on a U.S. bank only and made payable to ASNR.

**IMPORTANT: If registering by FAX please remember to
fax BOTH PAGES OF THIS FORM.**

Are you planning on attending any of the following: (FREE of charge)

50th Anniversary Reception

Monday, April 23, 2012 • Off-site location: The Museum of Modern Art (MoMA)

7:00pm - 10:00pm Yes No

Young Professionals Luncheon

Tuesday, April 24, 2012 • Gramercy Suite, Hilton New York

12:00pm - 1:00pm Yes No

Annual Meeting Closing Reception with Technical Exhibitors

Wednesday, April 25, 2012 • Hilton New York in Americas Hall I

6:30pm - 7:30pm Yes No

Guest(s) Registration for one or both Receptions:

- 50th Anniversary Reception (\$75 USD) Annual Meeting Closing Reception (\$40 USD)
The Museum of Modern Art (MoMA) Hilton New York in Americas Hall I

First Name: _____ Initial: _____

Last/Family Name: _____

If you would like to register more than one guest(s) please contact Mollie at mryan@asnr.org

Name _____ Phone _____

Meeting Registration Form: Part II

Please place a check (✓) in the appropriate box to indicate registration classification and fee. (Registration fees are applicable to all program participants.)

Classification	Member Fee	ASNR Members-in-Training Fee (Fellow & Resident Members)	Young Professionals Fee (Medical Students & those that are Fellows & Residents living outside USA, Canada & Mexico)	Non-Member Fee	ISMRRM Member Fee
The Foundation of the ASNR Symposium & 50th Annual Meeting (Entire Meeting – 6 days - Sat-Thur)	<input type="checkbox"/> \$1250	<input type="checkbox"/> \$835	<input type="checkbox"/> \$835	<input type="checkbox"/> \$1750	<input type="checkbox"/> \$1250
The Foundation of the ASNR/ISMRRM Symposium, SNO/ASFNR/ASPNR/ ASHNR/SNIS/General Neuro (4 Days - Sat - Tue)	<input type="checkbox"/> \$900	<input type="checkbox"/> \$635	<input type="checkbox"/> \$635	<input type="checkbox"/> \$1250	<input type="checkbox"/> \$900
ASSR/SNIS/ASFNR/ASHNR/ASPNR/General Neuro (4 Days - Mon-Thur)	<input type="checkbox"/> \$1050	<input type="checkbox"/> \$660	<input type="checkbox"/> \$660	<input type="checkbox"/> \$1375	<input type="checkbox"/> \$1050
ASSR/SNIS/ASFNR/ASHNR/ASPNR/General Neuro (3 Days - Mon-Wed)	<input type="checkbox"/> \$850	<input type="checkbox"/> \$560	<input type="checkbox"/> \$560	<input type="checkbox"/> \$1150	<input type="checkbox"/> \$850
ASSR/SNIS/ASFNR/ASHNR/ASPNR/General Neuro (3 Days - Tue-Thur)	<input type="checkbox"/> \$850	<input type="checkbox"/> \$560	<input type="checkbox"/> \$560	<input type="checkbox"/> \$1150	<input type="checkbox"/> \$850
The Foundation of the ASNR/ISMRRM Symposium (2 Days - Sat-Sun)	<input type="checkbox"/> \$475	<input type="checkbox"/> \$335	<input type="checkbox"/> \$355	<input type="checkbox"/> \$750	<input type="checkbox"/> \$475

*If you would like a one (1) day in addition to our current packages; please contact Mollie at mryan@asnr.org

Notes:

• Registration fee increase of \$100 after March 23, 2012

- **Member Rate:** Only members of ASNR and participating societies (ASPNR/ASFNR/ASHNR/SNIS/ASSR) are eligible to register at the Member Rate.
- **Non-Member Fee:** If you are a part of: SNO/ESNR/SILAN and not a member of ASNR or subspecialty societies register at the Non-Member Rate.
- **ASNR Member-in-Training Fee:** Only ASNR *Members-in-Training* are eligible to register at the ASNR *Member-in-Training* Rate.
- **Young Professionals Fee:** Medical Students that live in or outside the USA can register at the Young Professionals Fee. If you are a Resident or in a Fellowship and living outside USA, Canada or Mexico you can register at the Young Professionals Fee.

Form of Payment

- VISA
- Master Card
- American Express
- Money order (must be paid in U.S. funds, drawn on a U.S. bank only and made payable to ASNR)

Credit Card #: _____ Exp. Date: _____ Cardholder's Name: _____

Signature: _____ Billing Address: _____

By signing this form: I authorize ASNR to charge my credit card for the 50th Annual Meeting registration, acknowledge that the ASNR Advance Registration policies are in effect, and grant to the ASNR the right to use photos taken at the 50th Annual Meeting which include me in promotional materials for future meetings.

Registration Fee Calculation

Annual Meeting Registration Fees	1. _____
Guest - 50th Anniversary Reception Ticket(s) @ \$75 per person/per event	2. _____
Guest - Annual Meeting Closing Reception Ticket(s) @ \$40 per person/per event	3. _____
Print guest name(s) as they should appear on badge: _____ _____	
Registration Increase of \$100 USD if registering after 5:00pm CST on Friday, March 23, 2012	4. _____
TOTAL REGISTRATION FEES	5. _____

Hotel Room Reservation Form

Please make sure that your handwriting is legible. If not, please type or complete the form online.

Name: _____

Share with: _____

Address: _____

City: _____ State/Province: _____

Zip: _____ Country: _____

Institution: _____

Email: _____

Phone (Office): _____

Home: _____

Cell: _____

Form of Payment

Money order (must be paid in U.S. funds, drawn on a U.S. bank only and made payable to ASNR)

VISA Master Card American Express

Credit Card No.: _____ Expiration Date: _____

Cardholder's Name: _____

Billing Address: _____

Signature: _____

HOUSING RESERVATION DEADLINE: FRIDAY, MARCH 9, 2012

Room Type	Rate Per Night	Advance Room Deposit*
Standard	\$319.00 USD	\$370.00 USD
*As of 11/11/11, includes a 14.25% sales and hotel tax and \$3.50 additional cost per room/per night.		

Room Preference


of Rooms _____

of Adults _____ # of Children _____

Room Type

One Bed/King

Two Beds/Double

Wheelchair Accessible 

Arrival Date: ____/____/2012

Departure Date: ____/____/2012

Estimated Time of Arrival ____:____ A.M. P.M.

Hilton Honors # _____

** Upgrades are available, to request an upgrade please contact Mollie at mryan@asnr.org for more information.*

Special Request (please be specific): Please enter special request for your stay in the space below. Please note that special requests cannot be guaranteed until check-in, but we will do our best to accommodate you.

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**ASNR 50th
ANNIVERSARY**

1962-2012

ANNUAL MEETING

NEW YORK, NY



SAN DIEGO 2013

51st Annual Meeting | May 18 - 23

San Diego Convention Center, San Diego, California

ASNR FUTURE ANNUAL MEETINGS

MONTREAL 2014

52nd Annual Meeting | May 17 - 22

Palais des Congrès de Montreal, Montreal, Quebec, Canada

