

Neuroradiology Education and Research (NER) Foundation  
 Symposium 2010: Cancer Imaging for the Neuroradiologist: Fundamentals to Functional and Molecular Imaging  
 and ASNR 48th Annual Meeting  
 May 15-20, 2010  
 Hynes Convention Center  
 Boston, Massachusetts  
Preliminary Program 4-9-2010

(Breaks: Morning and Afternoon Coffee Services will be provided throughout during the symposium).

Room Capacity  
 Ballroom ABC = 1350 seating  
 Room 302-304-306 = 723 seating  
 Room 311 = 271 seating  
 Room 312 = 262 seating  
 Room 210 = 268 seating

Audience Response Plus = AR+  
 Maintenance of Certification = MOC  
 Self Assessment Module = SAM

ISMRM = International Society for Magnetic Resonance in Medicine

Day/Date/Time	Session #	Function	Location
7:15am - 8:15am		<b>BREAKFAST ON OWN</b>	
<b>8:15am - 10:00am</b>	<b>SY/ISMRM1</b> <b>CME = 1.75</b>	<b>In collaboration with ASNR/ISMRM Symposium: Technical Advances in Brain Tumor MR Imaging</b>	<b>Ballroom ABC</b>
<b>Saturday, May 15</b>			
		<i>Moderators: Peter B. Barker, Phil, PhD; Timothy P.L. Roberts, PhD</i>	
8:15am - 8:30am		Welcome and Introductions -Peter B. Barker, Phil, PhD Timothy P.L. Roberts, PhD	
8:30am - 9:00am		Imaging Tumor Blood Flow -David Alsop, PhD	
9:00am - 9:30am		Imaging Tumor Hemodynamics and Permeability -A. Gregory Sorensen, MD	
9:30am - 10:00am		Imaging Tumor Metabolism -Jeffrey L. Alger, PhD	
<b>10:00am - 10:30am</b>		<b>MORNING BREAK</b>	<b>Ballroom ABC Foyer</b>
<b>10:30am - 12:00pm</b>	<b>SY/ISMRM2</b> <b>CME = 1.5</b>		
<i>Moderators: Peter B. Barker, Phil, PhD; Timothy P.L. Roberts, PhD</i>			
10:30am - 11:00am		Imaging Tumor Cellularity TBD	
11:00am - 11:30am		Novel Contrast Mechanisms in Tumor Imaging -Peter C. Van Zijl, PhD	
11:30am - 12:00pm		Molecular Imaging of Brain Tumors -Anna Moore, PhD	
<b>12:00pm - 1:00pm</b>		<b>LUNCH ON OWN</b>	
<b>NER Foundation Symposium 2010: Cancer Imaging for the Neuroradiologist: Fundamentals to Functional and Molecular Imaging</b>			
<b>1:00pm-3:00pm</b>	<b>SY1</b> <b>CME = 2</b>	<b>CLINICAL PERSPECTIVES</b>	<b>Ballroom ABC</b>
<i>Moderator: Carolyn C. Meltzer, MD, FACR; David B. Hackney, MD, FACR</i>			
1:00pm - 1:05pm		Welcome and Introductions -Carolyn C. Meltzer, MD, FACR	
1:05pm - 1:35pm		The Changing Role of Imaging in Care of the Cancer Patient Mitchel S. Berger, MD	
1:35pm - 2:05pm		Molecular, Genetic, and Imaging Biomarkers in Glioblastoma Multiforme -Whitney B. Pope, MD, PhD	
2:05pm - 2:35pm		Molecular Pathogenesis and Targeted Therapy of Malignant Gliomas -Patrick Y. Wen, MD	
2:35pm - 3:00pm		Panel Discussion	
<b>3:00pm - 3:30pm</b>		<b>AFTERNOON BREAK</b>	<b>Ballroom ABC Foyer</b>
<b>3:30pm - 6:00pm</b>	<b>SY2</b> <b>CME = 2.5</b>	<b>MY APPROACH: THE EXPERTS. PART I. BRAIN TUMORS</b>	<b>Ballroom ABC</b>
<i>Moderator: James G. Smirniotopoulos, MD</i>			
3:30pm - 4:00pm		Imaging Primary Brain Tumors in Adults. Structural Imaging -Soonmee Cha, MD	
4:00pm - 4:25pm		Advanced and Quantitative Strategies for Brain Tumor Imaging (including perfusion) -Meng Law, MD	
4:25pm - 4:45pm		MS Spectroscopy and Tumor Imaging -Robert Lenkinski, PhD	
4:45pm - 5:10pm		Treatment Planning: A Neurosurgeon's Perspective -Isabelle M. Germano, MD	
5:10pm - 5:35pm		Image-Guided Therapies (including intra-operative Magnet, Catheter, Gamma Knife, HIFU) -Ferenc A. Jolesz, MD	
5:35pm - 6:00pm		Panel Discussion	

6:30am - 7:55am		<b>BREAKFAST ON OWN</b>	
8:00am - 10:20am	<b>SY3 CME 2.25</b>	<b>MY APPROACH: THE EXPERTS. PART II. HEAD AND NECK CANCER</b>	<b>Ballroom ABC</b>
		<i>Moderators: Hugh Curtin, MD</i>	
8:00am - 8:40am		Imaging of Head and Neck Cancer: Fundamentals and Tricks of the Trade -Lawrence E. Ginsberg, MD	
8:40am - 9:20am		Biologic Imaging of Head and Neck Cancer -Suresh K. Mukherji, MD, FACR	
9:20am - 10:00am		PET/CT Imaging of Head and Neck: FDG and Beyond -Laurie A. Loevner, MD	
10:00am - 10:20am		Panel Discussion	
10:20am - 10:50am		<b>MORNING BREAK</b>	<b>Ballroom ABC Foyer</b>
10:50am - 12:30pm	<b>SY4 CME = 1.5</b>	<b>MY APPROACH: THE EXPERTS. PART III. NEOPLASTIC INVOLVEMENT OF THE SPINE</b>	<b>Ballroom ABC</b>
		<i>Moderator: Jeffrey A. Stone, MD</i>	
10:50am - 11:20am		Imaging the Spine: Neoplastic Disease of the Spinal Cord, Dura and Nerves -James G. Smirniotopoulos, MD	
11:20am - 11:50am		Imaging the Spine: Neoplastic Disease of the Osseous Spine -Johan W. Van Goethem, MD	
11:50am - 12:20pm		Imaging Guided Biopsy and Treatment of Spinal Neoplasms -Jeffrey A. Stone, MD	
12:20pm - 12:30pm		Panel Discussion	
12:30pm - 1:30pm		<b>LUNCH ON OWN</b>	
12:30pm - 1:30pm		<b>NER FOUNDATION SYMPOSIUM LUNCHEON (INVITATION ONLY)</b>	<b>Berkeley A&amp;B - Sheraton</b>
1:30pm - 3:10pm	<b>SY5 CME = 1.5</b>	<b>CANCER RISKS FROM DIAGNOSTIC RADIOLOGY</b>	<b>Ballroom ABC</b>
		<i>Moderator: Pina C. Sanelli, MD, MPH</i>	
1:30pm - 2:00pm		Medical Imaging as an Increasing Source of Radiation Exposure -David J. Brenner, PhD, DSc	
2:00pm - 2:25pm		Image Gently Campaign: An International Education and Awareness Program -Kimberly E. Applegate, MD, MS, FACR	
2:25pm - 2:50pm		Diagnostic Radiology: Major Weapon in Patient Care or Weapon of Mass Destruction? -Michael Brant-Zawadzki, MD, FACR	
2:50pm - 3:10pm		Panel Discussion	
3:10pm - 3:30pm		<b>AFTERNOON BREAK</b>	<b>Ballroom ABC Foyer</b>
3:30pm - 4:30pm	<b>SY6 CME = 1</b>	<b>SYMPOSIUM WRAP-UP</b>	<b>Ballroom ABC</b>
		<i>Moderator: Carolyn C. Meltzer, MD, FACR</i>	

(Meals and Breaks: Breakfasts, Morning and Afternoon Coffee Service, and Boxed Lunches will be provided throughout the week.

Please note 48th Annual Meeting food service locations vary throughout week based on Technical Exhibit hours and How-to Session programming).

AR+: Audience Response System Session

SJ: Synaptic Junction; ASPNR: American Society of Pediatric Neuroradiology; ASFNR: American Society of Functional Neuroradiology;

<b>6:30am - 7:55am</b>		<b>BREAKFAST</b>	<b>Ballroom ABC Foyer</b> (Auditorium Seating Only)
<b>7:40pm - 7:45am</b>	<b>1</b>	<b>OPENING REMARKS</b> <b>John R. Hesselink, MD, FACR, ASNR President</b>	<b>Ballroom ABC</b>
<b>7:45am - 8:45am</b>	<b>2</b> <b>CME = 1</b>	<b>MAINTENANCE OF CERTIFICATION (MOC) - REVIEW SESSION (AR+)</b> <b>ADULT AND PEDIATRIC BRAIN</b> <i>Moderators: Pia Maly Sundgren, MD, PhD; Andrea Rossi, MD</i>	<b>Ballroom ABC</b>
7:45am - 8:15am		Adult Brain -Pia Maly Sundgren, MD, PhD	
8:15am - 8:45am		Pediatric Brain -Andrea Rossi, MD	
<b>8:45am - 10:15am</b>	<b>3</b> <b>CME = 1.50</b>	<b>GENERAL SESSION: PITFALLS IN PRACTICE: SHARPENING YOUR SKILLS</b> <i>Moderators: Robert M. Quencer, MD; David B. Hackney, MD, FACR</i>	<b>Ballroom ABC</b>
8:45am - 9:10am		The Edge of the Film: Navigating Non-CNS Findings on Spine Imaging Studies Cardiothoracic Findings -Phillip M. Boiselle, MD	
9:10am - 9:35am		Abdomen/Pelvis Findings -Neil M. Rofsky, MD	
9:35am - 10:00am		State of the Art of NSF and Gadolinium-Based Contrast Agents Today -Emanuel Kanal, MD, FACR, FISMRM, AANG	
10:00am - 10:15am		Discussion	
<b>10:15am - 10:45am</b>		<b>MORNING BREAK</b>	<b>Ballroom ABC Foyer</b>
<b>10:45am - 12:30pm</b>	<b>4</b> <b>CME = 1.75</b>	<b>PARALLEL SCIENTIFIC PAPER SESSIONS</b>	
Session 4a		Adult Brain: New Techniques/Post Processing <i>Moderators: John L. Go, MD; Robert D. Zimmerman, MD, FACR</i>	<b>Ballroom ABC</b>
Session 4b		Adult Brain: Cerebrovascular Occlusive Disease I <i>Moderators: Pamela W. Schaefer, MD; Doris D.M. Lin, MD</i>	<b>Room 302-304-306</b>
Session 4c		Trauma: Adult Brain and Spine <i>Moderators: Nafi Aygun, MD; Majda M. Thurnher, MD</i>	<b>Room 311</b>
Session 4d		Pediatric: Neoplasms and Cerebrovascular <i>Moderators: Tina Young Poussaint, MD; Gary L. Hedlund, DO</i>	<b>Room 312</b>
Session 4e		Excerpta Extraordinaire: Head and Neck <i>Moderators: Hugh D. Curtin, MD; Ashley H. Aiken, MD</i>	<b>Room 210</b>
<b>10:45am - 12:30pm</b>	<b>5</b> <b>CME = 1.75</b>	<b>SJ SYNAPTIC JUNCTION PROGRAMMING - LECTURE</b> <b>THE BUSINESS OF NEURORADIOLOGY</b>	<b>Room 208</b>
10:45am - 11:15am		Informatics Solutions to Business Pressures in Radiology -Alan Pitt, MD	
11:15am - 12:30pm		Future Directions in the Business of Neuroradiology -Alan Pitt, MD -Frank J. Lexa VII, MD, MBA	
<b>12:30pm - 1:30pm</b>		<b>LUNCH BREAK</b>	<b>Ballroom ABC Foyer</b> (Auditorium Seating Only)
<b>1:30pm - 3:00pm</b>	<b>6</b> <b>CME = 1.50</b>	<b>ASPNR ASPNR PROGRAMMING: BACK PAIN IN CHILDREN: OPTIMIZING IMAGING</b> <b>IN NON TRAUMATIC AND TRAUMATIC ETIOLOGIES</b> <i>Moderator: Nancy K. Rollins, MD, FAAP</i>	<b>Room 311</b>
1:30pm - 1:55pm		The Role of Imaging in Non-Traumatic Pediatric Back Pain -Tina Young Poussaint, MD	
1:55pm - 2:20pm		The Role of Imaging in Traumatic Pediatric Back Pain -Sanjay P. Prabhu, MD	
2:20pm - 2:45pm		Clinical and Surgical Approach Mark R. Proctor, MD	
2:45pm - 3:00pm		Questions and Answers	
<b>1:30pm - 3:00pm</b>	<b>7</b> <b>CME = 1.50</b>	<b>ASFNR ASFNR PROGRAMMING: PEDIATRIC</b>	<b>Room 302-304-306</b>
		<i>Moderator: Erin S. Schwartz, MD</i>	
1:30pm - 2:00pm		Functional Neuroradiology of Pediatric Brain Tumors -Robert A. Zimmerman, MD	
2:00pm - 2:30pm		Presurgical Brain Mapping (fMRI/DTI) for Pediatric Brain Lesions -Nolan R. Altman, MD	
2:30pm - 3:00pm		Quantitative, Evolving Neuroradiology of Neonatal Hypoxic Ischemic Injury -A. James Barkovich, MD	

<b>1:30pm - 3:00pm</b>	<b>8</b> <b>CME = 1.50</b>	<b>SOCIOECONOMIC PROGRAMMING: COMPARATIVE EFFECTIVE RESEARCH (AR+) SAM</b> <i>Moderator: Scott Gazelle, MD, PhD, MPH</i>	<b>Ballroom ABC</b>
1:30pm - 2:00pm		Introduction of Comparative Effective Research - What Neuroradiologists Need to Know in 2010 -Frank J. Lexa VII, MD, MBA	
2:00pm - 2:30pm		Comparative Effective Research - Why It Is Important to Your Practice -Jeffrey G. Jarvik, MD, MPH	
2:30pm - 3:00pm		Comparative Effectiveness Research Challenges and Pitfalls -David J. Seidenwurm, MD, FACR	
<b>1:30pm - 3:00pm</b>	<b>9</b> <b>CME = 1.50</b>	<b>GENERAL SESSION: HEAD AND NECK: SINUS</b> <i>Moderator: Patricia A. Hudgins, MD;</i>	<b>Room 312</b>
1:30pm - 2:00pm		Sinus CT: Beyond the Osteomeatal Complex -Amit M. Saindane, MD	
2:00pm - 2:30pm		Imaging for Failed Endoscopic Sinus Surgery -Patricia A. Hudgins, MD	
2:30pm - 3:00pm		Invasive and Aggressive Sinonasal Cavity Processes -Ashley H. Aiken, MD	
<b>1:30pm - 3:00pm</b>	<b>10</b> SJ <b>CME = 1.50</b>	<b>SYNAPTIC JUNCTION PROGRAMMING - LECTURE DO WE REALLY NEED STANDARDIZED REPORTING? "POINT-COUNTER POINT"</b>	<b>Room 208</b>
1:30pm - 2:00pm		The Advantages of Structured Reporting -C. Douglas Phillips, MD, FACR	
2:00pm - 2:30pm		The Myth of Structured Reporting -Barton F. Branstetter IV, MD	
2:30pm - 3:00pm		Debate	
<b>3:00pm - 3:30pm</b>		<b>AFTERNOON BREAK</b>	<b>Ballroom ABC Foyer</b>
<b>3:30pm - 5:00pm</b>	<b>11</b> <b>CME 1.50</b>	<b>PARALLEL SCIENTIFIC PAPER SESSIONS</b>	
Session 11a		Adult Brain: Neoplasms I <i>Moderators: Pratik Mukherjee, MD, PhD; Esperanza Pacheco, MD</i>	<b>Ballroom ABC</b>
Session 11b		Adult Brain: Epilepsy & Other <i>Moderators: William P. Dillon, MD; Patrick J. Oliverio, MD</i>	<b>Room 302-304-306</b>
Session 11c		Pediatric: Functional Imaging <i>Moderators: Nancy K. Rollins, MD; Arastoo Vossough, PhD, MD</i>	<b>Room 311</b>
Session 11d		Head and Neck: New Techniques <i>Moderators: Jenny K. Hoang, MBBS; Richard H. Wiggins, III, MD, CIIP</i>	<b>Room 312</b>
<b>5:00pm - 6:30pm</b>	<b>12</b> ASFNR <b>CME 1.50</b>	<b>ASFNR PROGRAMMING: MULTI-MODALITY/FUNCTIONAL NEUROIMAGING</b> <i>Moderator: Michael D. Phillips, MD</i>	<b>Room 302-304-306</b>
5:00pm - 5:30pm		Seizure Disorders -Noriko Salamon, MD, PhD	
5:30pm - 6:00pm		Traumatic Brain Injury -Karen A. Tong, MD	
6:00pm - 6:30pm		State-of-the-Art Imaging in Dementia -Jeffrey R. Petrella, MD	
<b>5:00pm - 6:30pm</b>	<b>13</b> ASPNR <b>CME 1.50</b>	<b>ASP NR PROGRAMMING: SEIZURE DISORDER IN CHILDREN: THE ROLE OF HISTOPATHOLOGIC AND FUNCTIONAL IMAGING IN MEDICAL VERSES SURGICAL TREATMENT (AR+) SAM</b> <i>Moderator: Peter Kalina, MD</i>	<b>Ballroom ABC</b>
5:00pm - 5:25pm		Histopathologic Imaging in Seizure Disorders -P. Ellen Grant, MD	
5:25pm - 5:50pm		Imaging of Eloquent Areas and Seizure Focus -Nolan R. Altman, MD	
5:50pm - 6:15pm		Pediatric Seizure Disorder Outcome: Medical vs Surgical Treatment -Joseph Madsen, MD	
6:15pm - 6:30pm		Questions & Answers	

5:00pm - 6:30pm	14 CME 1.50	GENERAL SESSION: SPINE IMAGING	Room 311
		<i>Moderators: Eric D. Schwartz, MD; Ortiz A. Glenn, MD</i>	
5:00pm - 5:30pm		Diffusion Weighted Imaging of the Spine and Spinal Cord -Majda M. Thurnher, MD	
5:30pm - 6:00pm		Vascular Imaging of the Spine -Mary E. Jensen, MD	
6:00pm - 6:30pm		Pre and Postnatal Imaging of Spinal Anomalies -Erin Simon Schwartz, MD	
5:00pm - 6:30pm	15 CME 1.50	PQI: GETTING STARTED WITH BABY STEPS	Room 210
		<i>Moderator: David M. Yousem, MD, MBA; David Laszakovits, MBA</i>	
5:00pm - 5:05pm		Introduction to the MOC Process -David Laszakovits, MBA	
5:05pm - 5:20pm		Rationale, Requirements, Reality of Practice Quality Improvement -David M. Yousem, MD, MBA	
5:20pm - 5:35pm		A Simplified Approach to Developing PQI Projects -Pina C. Sanelli, MD, MPH <i>Examples of PQI Projects Performed</i>	
5:35pm - 5:45pm		Reducing Radiation Exposure w/ CTA and CTP -Michael Loftus, MD	
5:45pm - 5:55pm		Reducing the Need for Sedation in Pediatric Patients -Bernadette L. Koch, MD	
5:55pm - 6:05pm		Streamlining Interventional Radiology Practice -Sanjay Misra, MD	
6:05pm - 6:30pm		Panel Discussion	
5:00pm - 6:30pm	16 CME 1.50	ADVANCED IMAGING SEMINAR: MR SPECTROSCOPY FOR THE NEURORADIOLOGIST	Room 312
		<i>Moderators: Timothy P.L. Roberts, PhD</i>	
5:00pm - 5:30pm		Spectroscopic Imaging: Approaches to Standardization -Andrew A. Maudsley, PhD	
5:30pm - 6:00pm		MR Spectroscopy - Clinical Applications -R. Gilberto Gonzalez, MD, PhD	
6:00pm - 6:30pm		MR Spectroscopy - GABA Editing and Neuroscience -Richard A. E. Edden, PhD	

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6:30am - 7:55am			<b>BREAKFAST</b>	<b>Ballroom ABC Foyer</b> (Auditorium Seating Only)
7:45am - 8:45am	17 CME 1.00		<b>MAINTENANCE OF CERTIFICATION (MOC) - REVIEW SESSION (AR+) VASCULAR</b> <i>Moderators: Jacqueline A. Bello, MD; Frank C. Tong, MD</i>	<b>Ballroom ABC</b>
7:45am - 8:15am			Vascular -Frank C. Tong, MD	
8:15am - 8:45am			Neurovascular Diagnosis and Intervention -Jacqueline A. Bello, MD, FACR	
8:45am - 10:15am	18 CME 1.50		<b>SOCIOECONOMIC PROGRAMMING: OVERVIEW OF HEALTHCARE REFORM LEGISLATION</b> <i>Moderator: David J. Seidenwurm, MD</i>	<b>Ballroom ABC</b>
8:45am - 9:20am			2010 J. Arliss Pollock, MD Memorial Lecture: Building a Bridge from Fragmentation to Accountability - Prometheus Payment Model -Meredith B. Rosenthal, PhD	
9:20am - 9:55am			Health Reform: Implications for Neuroradiologists -Gerard Anderson, PhD	
9:55am - 10:15am			Questions and Answers	
10:15am - 10:45am			<b>MORNING BREAK</b>	<b>Hall D</b>
10:45am - 12:30pm	19 CME 1.75		<b>PARALLEL SCIENTIFIC PAPER SESSIONS</b>	
	Session 19a		Adult Brain: Functional Imaging <i>Moderators: John L. Ulmer, MD; Srinu Mukundan, Jr., MD, PhD</i>	<b>Ballroom ABC</b>
	Session 19b		Interventional: New Devices and Techniques <i>Moderators: David F. Kallmes, MD; Cameron G. McDougall, MD, FRCSC</i>	<b>Room 302-304-306</b>
	Session 19c		Pediatric: Developmental/Congenital Malformations and Demyelinating/Degenerative & Neonatal Imaging <i>Moderators: L. Santiago Medina, MD, MPH; Orit A. Glen, MD</i>	<b>Room 311</b>
	Session 19d		Head and Neck: Pharynx, Larynx, Soft Tissue Neck, Sinonasal and Temporal Bone <i>Moderators: Nancy J. Fischbein, MD; John R. Hesselink, MD, FACR</i>	<b>Room 312</b>
12:30pm - 1:30pm			<b>LUNCH BREAK</b>	<b>Hall D</b>
12:30pm - 1:30pm			<b>ASPNR ANNUAL BUSINESS MEETING (MEMBERS ONLY)</b>	<b>Room 312</b>
12:30pm - 1:30pm			<b>ASFNR ANNUAL BUSINESS MEETING (MEMBERS ONLY)</b>	<b>Room 210</b>
12:30pm - 1:30pm			<b>FELLOWS' LUNCHEON</b>	<b>Auditorium</b>
1:30pm - 3:00pm	20 CME 1.50	ASPNR	<b>ASPNR PROGRAMMING: SICKLE CELL DISEASE: IMPACT IN PATIENT OUTCOME: ADVANCED IMAGING IN SICKLE CELL DISEASE: PATHOPHYSIOLOGIC AND FUNCTIONAL IMAGING</b> <i>Moderator: Blaise V. Jones, MD</i>	<b>Room 311</b>
1:30pm - 1:55pm			Non MRI Imaging -Jaroslav Krejza, MD, PhD	
1:55pm - 2:20pm			MRI Imaging -Elias R. Melhem, MD, PhD	
2:20pm - 2:45pm			Treatment Options in Sickle Cell Disease: Medical vs Surgical -Edward R. Smith, MD	
2:45pm - 3:00pm			Questions & Answers	
1:30pm - 3:00pm	21 CME 1.50	ASFNR	<b>ASFNR PROGRAMMING: ADULT (AR+) SAM</b> <i>Moderator: Scott H. Faro, MD</i>	<b>Ballroom ABC</b>
1:30pm - 2:00pm			Presurgical Brain Mapping (fMRI/DTI) for Adult Brain Lesions -Jay J. Pillai, MD	
2:00pm - 2:30pm			Perfusion/Diffusion in Adult Brain Tumors -Meng Law, MD, MBBS, FRACR	
2:30pm - 3:00pm			Perfusion/Diffusion in Cerebrovascular Diseases -A. Gregory Sorensen, MD	
1:30pm - 3:00pm	22 CME 1.50	ASHNR	<b>ASHNR PROGRAMMING: HEAD &amp; NECK CANCER I: IMAGING OF SINONASAL AND SKULL BASE CANCER</b> <i>Moderator: C. Douglas Phillips, MD</i>	<b>Room 302-304-306</b>
1:30pm - 2:00pm			Imaging of Sinonasal and Anterior Cranial Base Malignancies Michelle A. Michel, MD	
2:00pm - 2:30pm			Imaging of Nasopharynx and Central Skull Base Malignancy -Nancy J. Fischbein, MD	
2:30pm - 3:00pm			Imaging of Temporal Bone and Peri-auricular Cancer -C. Douglas Phillips, MD, FACR	

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<b>1:30pm - 3:00pm</b>	<b>23</b> <b>CME 1.5</b>	<b>SJ</b>	<b>SYNAPTIC JUNCTION PROGRAMMING - LECTURE MAKING THE READING ROOM MORE PLEASANT</b>	<b>Room 208</b>
1:30pm - 2:15pm			How To Get Speech Recognition that Actually Works -Barton F. Branstetter IV, MD	
2:15pm - 3:00pm			Make Yourself Comfortable! The Importance of Ergonomics -Eliot L. Siegel, MD	
<b>3:00pm 3:30pm</b>			<b>AFTERNOON BREAK</b>	<b>Hall D</b>
<b>3:30pm - 5:00pm</b>	<b>24</b> <b>CME = 1.50</b>		<b>PARALLEL SCIENTIFIC PAPER SESSIONS</b>	
Session 24a			Adult Brain: Alzheimer/Demyelinating <i>Moderators: Jeffrey R. Petrella, MD; Didier Dormont, MD</i>	<b>Ballroom ABC</b>
Session 24b			Adult Brain: Cerebrovascular Occlusive Disease II <i>Moderators: Robert W. Tarr, MD; Ronald L. Wolf, MD, PhD</i>	<b>Room 302-304-306</b>
Session 24c			Head and Neck: Anatomy, Face, Orbit and Congenital <i>Moderators: Christine M. Glastonbury, MBBS; Yoshimi Anzai, MD, MPH</i>	<b>Room 311</b>
Session 24d			Pediatric: New Techniques and Other <i>Moderators: Ellen P. Grant, MD; Peter Kalina, MD</i>	<b>Room 312</b>
Session 24e			Excerpta Extraordinaire: Adult Brain <i>Moderators: Christopher P. Wood, MD; Gregory Nicola, MD</i>	<b>Room 210</b>
<b>3:30pm - 5:00pm</b>	<b>25</b> <b>CME = 1.50</b>	<b>SJ</b>	<b>SYNAPTIC JUNCTION PROGRAMMING POST PROCESSING WORKSHOP</b>	<b>Room 207</b>
			Post Processing Introduction and Overview -John L. Go, MD	
<b>5:00pm - 6:30pm</b>	<b>26</b> <b>CME = 1.50</b>	<b>ASHNR</b>	<b>ASHNR PROGRAMMING: HEAD AND NECK CANCER II: IMAGING OF MUCOSAL MALIGNANCIES OF THE UPPER AERODIGESTIVE TRACT, INCLUDING PET/CT (AR+) SAM</b>	<b>Ballroom ABC</b>
			<i>Moderator: Christine M. Glastonbury, MBBS</i>	
5:00pm - 5:30pm			Imaging of Oral Cavity and Oropharyngeal Cancer -Wendy R.K. Smoker, MS, MD, FACR	
5:30pm - 6:00pm			Imaging of Laryngeal and Hypopharyngeal Cancer -Christine M. Glastonbury, MBBS	
6:00pm - 6:30pm			PET/CT in Head and Neck Cancer -Barton F. Branstetter IV, MD	
<b>5:00pm - 6:30pm</b>	<b>27</b> <b>CME = 1.50</b>		<b>GENERAL SESSION: IMAGING BIOMARKERS IN DEMENTIA</b>	<b>Room 302-304-306</b>
			<i>Moderators: Carolyn C. Meltzer, MD, FACR; Jody L. Tanabe, MD</i>	
5:00pm - 5:30pm			Amyloid Imaging in Alzheimer's Disease -Chester A. Mathis, PhD	
5:30pm - 6:00pm			Amyloid, Memory Dysfunction and fMRI -Randy L. Buckner, PhD	
6:00pm - 6:30pm			What We Have Learned from ADNI -Clifford R. Jack, Jr., MD	
<b>5:00pm - 6:30pm</b>	<b>28</b> <b>CME = 1.50</b>		<b>GENERAL SESSION: RADIATION DOSE REDUCTION FOR THE NEURORADIOLOGIST: WHAT YOU NEED TO KNOW!</b>	<b>Room 210</b>
			<i>Moderators: Pina C. Sanelli, MD MPH; Suresh K. Mukherji, MD, FACR</i>	
5:00pm - 5:25pm			A Simplified Approach to Radiation Dose Measurements -Suresh K. Mukherji, MD, FACR	
5:25pm - 5:50pm			Strategies for Dose Reduction -Mohannad Ibrahim, MD	
5:50pm - 6:15pm			Recommendations for Best Practices in CT Scanning -Pina C. Sanelli, MD, MPH	
6:15pm - 6:30pm			Panel Discussion	
<b>5:00pm - 6:30pm</b>	<b>29</b> <b>CME = 1.50</b>		<b>ADVANCED IMAGING SEMINAR: NEW DEVELOPMENTS IN DIFFUSION MRI</b>	<b>Room 312</b>
			<i>Moderators: Peter B. Barker, Phil, PhD</i>	
5:00pm - 5:30pm			Diffusion MRI: Clinical Applications -Elias R. Melhem, MD, PhD	
5:30pm - 6:00pm			DTI and HARDI -Robert C. McKinstry, III, MD, PhD	
6:00pm - 6:30pm			Diffusional Kurtosis Imaging (DKI) Joseph A. Helpert, PhD	

**SJ:** Synaptic Junction; **ASHNR:** American Society of Head and Neck Radiology; **ASFNR:** American Society of Functional Neuroradiology; **SNIS:** Society of NeuroInterventional; **ASSR:** American Society of Spine Radiology

6:00am - 7:30am			<b>BREAKFAST</b>	<b>Ballroom ABC Foyer</b> (Auditorium Seating Only)
7:30am - 8:30am	<b>30</b> CME 1.00		<b>MAINTENANCE OF CERTIFICATION (MOC) - REVIEW SESSION (AR+) HEAD AND NECK</b> <i>Moderator: Laurie A. Loevner, MD</i>	<b>Ballroom ABC</b>
7:30am - 8:00am			Hilda Elie Stambuk, MD	
8:00am - 8:30am			Ashley H. Aiken, MD	
8:30am - 10:00am	<b>31</b> CME 1.50		<b>GENERAL SESSION: FUTURE PERSPECTIVES</b> <i>Moderators: Richard H. Wiggins, III, MD, CIIP</i>	<b>Ballroom ABC</b>
8:30am - 9:00am			Neuroradiology, Technology and Neuroscience	
9:00am - 9:30am			-R. Nick Bryan, MD, PhD Applications of Nanotechnology to CNS Imaging and Therapy	
9:30am - 10:00am			-James Provenzale, MD Futuristic Technology for Radiology -Eliot L. Siegel, MD	
10:00am - 10:30am			<b>MORNING BREAK</b>	<b>Hall D</b>
10:30am - 10:45am	<b>32</b>		<b>ASNR PRESIDENTIAL ADDRESS</b> -John R. Hesselink, MD, FACR	<b>Ballroom ABC</b>
10:45am - 10:55am	<b>33</b>		<b>ASNR AWARD ANNOUNCEMENTS</b> -Gold Medal Award -Honorary Member Award -Cornelius G. Dyke Memorial Award -2009 Outstanding Presentation Awards -NER Foundation Scholar Award in Neuroradiology Research -NER Foundation Award for Outstanding Contributions in Research -NER Foundation Award in Basic Science Research	<b>Ballroom ABC</b>
10:55am - 11:45am	<b>34</b> CME .50		<b>KEYNOTE SPEAKER: THE POLITICS AND ETHICS OF HEALTH CARE REFORM</b> -Darrell G. Kirch, MD	<b>Ballroom ABC</b>
11:45am - 12:10pm	<b>35</b>		<b>AMERICAN SOCIETY OF NEURORADIOLOGY (ASNR) ANNUAL BUSINESS MEETING (MEMBERS ONLY)</b>	<b>Ballroom ABC</b>
11:45am - 1:15pm			<b>LUNCH BREAK</b>	<b>Hall D/Ballroom ABC Foyer</b>
1:15pm - 2:45pm	<b>36</b> CME 1.50	<b>ASHNR</b>	<b>ASHNR PROGRAMMING: HEAD AND NECK CANCER III: THYROID, NECK AND PEDIATRICS</b> <i>Moderator: Caroline D. Robson, MB, ChB</i>	<b>Room 312</b>
1:15pm - 1:45pm			Cross-sectional Imaging of Cervical Adenopathy -Richard H. Wiggins, III, MD, CIIP	
1:45pm - 2:15pm			Imaging of Thyroid Cancer and Thyroid Nodule -Yoshimi Anzai, MD, MPH	
2:15pm - 2:45pm			Imaging of Pediatric Head & Neck Cancer -Caroline D. Robson, MB, ChB	
1:15pm - 2:45pm	<b>37</b> CME 1.50	<b>SNIS</b>	<b>SNIS PROGRAMMING: STENTS FOR EVERYTHING?</b> <i>Moderator: Donald V. Heck, MD</i>	<b>Room 302-304-306</b>
1:15pm - 1:30pm			Stents for Acute Stroke -Adnan H. Siddiqui, MD, PhD	
1:30pm - 1:45pm			Stents for Venous Sinus Disease -Felipe C. Albuquerque, MD	
1:45pm - 2:00pm			Stents for Intracranial Stenosis -Aquila S. Turk, DO	
2:00pm - 2:15pm			Stents for Aneurysms -Ajay K. Wakhloo, MD, PhD	
2:15pm - 2:30pm			Vascular-Endoluminal Reconstruction for the Treatment of Complex Cerebral Aneurysms -Peter Kim Nelson, MD	
2:30pm - 2:45pm			Stents for Extracranial Carotid Disease -Stephen P. Lownie, MD, FRCSC -David M. Pelz, MD, FRCPC	
1:15pm - 2:45pm	<b>38</b> CME 1.50	<b>ASSR</b>	<b>ASSR PROGRAMMING: THE FACET JOINT</b> <i>Moderators: Blake A. Johnson, MD; Douglas S. Fenton, MD</i>	<b>Room 311</b>
1:15pm - 1:30pm			Normal Anatomy of the Facet Joint -Walter S. Bartynski, MD	
1:30pm - 1:50pm			Inflammatory Facet Arthropathy: Diagnostic Evaluation and Injection Therapy -Leo F. Czervionke, MD	
1:50pm - 2:10pm			Medial Branch Blocks and Facet Denervation -Blake A. Johnson, MD	
2:10pm - 2:30pm			Percutaneous vs. Surgical Fusion -Kent B. Remley, MD	
2:30pm - 2:45pm			Discussion	

1:15pm - 2:45pm	39 CME 1.50	ASPNR	<b>ASPNR PROGRAMMING: 2010 ASPNR INTERESTING CASE TEAM COMPETITION: BLUE STARS VERSES RED STARS VERSES AUDIENCE</b> <i>Moderator: Charles Glasier, MD; L. Santiago Medina, MD MPH</i> Red Stars Team: W.K. 'Kling' Chong, MD, FRCR; Charles A. Raybaud, MD Blue Stars Team: A. James Barkovich, MD; Gary L. Hedlund, DO	Ballroom ABC
1:15pm - 2:45pm	39a CME 1.50		<b>RESEARCH IN PROGRESS: AN INTERACTIVE FORUM</b> <b>Sponsored by the Neuroradiology Education and Research Foundation</b> <i>Moderators: Pina C. Sanelli, MD, MPH; Jeffrey Jarvik, MD, MPH</i>	Room 210
1:15pm - 1:25pm			Introduction: An Overview of the NER Foundation Awards -Eric J. Russell, MD, FACR	
1:25pm - 1:35pm			Introduction of Panel Members: Carolyn Meltzer, MD, FACR; Colin Deryn, MD; Meng Law, MD, MBBS, FRACR; Yoshimi Anzai, MD, MPH	
1:35pm - 1:55pm			Evolving Patterns of Functional Connectivity in the Developing Brain: An Arterial Spin Labeling Perfusion MRI and Computational Network Analytical Investigation Christopher T. Whitlow, MD, PhD	
1:55pm - 2:15pm			Comparison and Statistical Validation of Cerebral Flow Results Obtained Using Phase Contrast MRA and Computational Flow Dynamics in an In Vitro Cerebral Aneurysm Model -Frank C. Tong, MD	
2:15pm - 2:35pm			Optimizing Arterial Spin Label MRI for the Visualization of the Collateral Flow in Moyamoya Disease -Gregory G. Zaharchuk, MD, PhD	
2:45pm - 3:15pm			<b>AFTERNOON BREAK</b>	Hall D
3:15pm - 4:45pm	40 CME 1.50		<b>PARALLEL SCIENTIFIC PAPER SESSIONS</b>	
	Session 40a		Adult Brain: Neoplasms II <i>Moderators: James R. Fink, MD; Gregory Sorensen, MD</i>	Ballroom ABC
	Session 40b		Interventional; Aneurysms I <i>Moderators: Mary E. Jensen, MD; Alessandra Biondi, MD</i>	Room 302-304-306
	Session 40c		Spine: New Techniques and Degenerative <i>Moderators: Erin S. Schwartz, MD; William J. Kim, MD</i>	Room 311
	Session 40d		Adult Brain: New Techniques <i>Moderators: Andrei I. Holodny, MD; Gul Moonis, MB, BS</i>	Room 312
	Session 40e		Quality/Socioeconomic <i>Moderators: Patrick A. Turski, MD, FACR; Suresh K. Mukherji, MD, FACR</i>	Room 210
3:15pm - 4:45pm	41 CME 1.50	SJ	<b>SYNAPTIC JUNCTION PROGRAMMING - LECTURE LEADERSHIP SKILLS AND CHALLENGES</b>	Room 208
3:15pm - 3:45pm			Leadership in Difficult Economic Times Carolyn C. Meltzer, MD, FACR	
3:45pm - 4:15pm			Group Identification, Framing Effects, and Organizational Leadership -Andrew F. Simon, PhD, PsyD	
4:15pm - 4:45pm			Differentiating Key Leadership Concepts: Authority/Power and Cooperation/Collaboration -Andrew F. Simon, PhD, PsyD	
4:45pm - 6:15pm	42 CME 1.50	ASSR	<b>ASSR PROGRAMMING: SPINE TRAUMA (AR+) SAM</b> <i>Moderators: Meng Law, MD; Evelyn M. Sklar, MD</i>	Ballroom ABC
4:45pm - 5:10pm			CT Screening of Spinal Trauma -Diego B. Nunez, Jr., MD, MPH	
5:10pm - 5:35pm			MRI Evaluation -Robert M. Quencer, MD	
5:35pm - 6:00pm			Pathogenesis and Treatment of Spinal Cord Injury -W. Dalton Dietrich, PhD	
6:00pm - 6:15pm			Discussion	
4:45pm - 6:15pm	43 CME 1.50		<b>SOCIOECONOMICS PROGRAMMING INFORMATICS OF HEALTHCARE REFORM</b> <i>Moderator: C. Douglas Phillips, MD, FACR</i>	Room 302-304-306
4:45pm - 5:15pm			Multi-Enterprise Imaging -Gary J. Wendt, MD, MBA	
5:15pm - 5:45pm			Order Entry Decision Support the MGH Experience -Daniel I. Rosenthal, MD, FACR	
5:45pm - 6:15pm			Structured Reporting and Emerging Technologies for Improving Communication In the Healthcare Environment -C. Douglas Phillips, MD, FACR	

4:45pm - 6:15pm	44 CME 1.50	SNIS	<b>SNIS PROGRAMMING: TRIAL UPDATES: PROGRESS REPORT FROM TRIALS THAT WILL CHANGE YOUR PRACTICE</b> <i>Moderator: Joshua A. Hirsch, MD</i>	Room 311
4:45pm - 5:05pm			Trial Tribulations -Jean Raymond, MD	
5:05pm - 5:25pm			CREST -Thomas G. Brott, MD	
5:25pm - 5:45pm			SAMMPRIS -Colin P. Derdeyn, MD	
5:45pm - 6:05pm			IMS III -Thomas A. Tomsick, MD	
6:05pm - 6:15pm			Discussion	

4:45pm - 6:15pm	45 CME 1.50		<b>ADVANCED IMAGING SEMINAR: NEW DEVELOPMENTS IN BRAIN PERFUSION IMAGING</b> <i>Moderators: Elias R. Melhem, MD</i>	Room 312
4:45pm - 5:15pm			Perfusion Imaging Methodology -Gregory G. Zaharchuk, MD, PhD	
5:15pm - 5:45pm			MR- and CT-Perfusion in Cerebrovascular Disease Pamela W. Schaefer, MD	
5:45pm - 6:15pm			Advances in Permeability Imaging -Daniel P. Barboriak, MD	

6:30am - 7:55am		<b>BREAKFAST</b>	<b>Ballroom ABC</b> (Auditorium Seating Only)
7:45am - 8:45am	<b>46</b>	<b>MAINTENANCE OF CERTIFICATION (MOC) - REVIEW SESSION (AR+)</b> <b>SPINE</b>	<b>Ballroom ABC</b>
	<b>CME 1.00</b>	<i>Moderator: Alyssa T. Watanabe, MD; M. Judith Donovan Post, MD, FACR</i>	
7:45am - 8:15am		-Alyssa T. Watanabe, MD	
8:15am - 8:45am		-M. Judith Donovan Post, MD, FACR	
8:45am - 10:15am	<b>47</b>	<b>GENERAL SESSION: TACKLING THE MANY FACES OF THE AJNR</b>	<b>Ballroom ABC</b>
	<b>CME 1.5</b>	<i>Moderators: Mauricio Castillo, MD, FACR; Pina C. Sanelli, MD, MPH</i>	
8:45am - 9:10am		An Overview of the AJNR...It's More Than Just a Journal -Mauricio Castillo, MD, FACR	
9:10am - 9:35am		Searching the Journal for Evidence Based Radiology -Pina C. Sanelli, MD, MPH	
9:35am - 10:00am		Potholes and Speed Bumps along the Road to Publishing a Manuscript -James M. Provenzale, MD	
10:00am - 10:15am		Panel Discussion	
10:15am - 10:45am		<b>MORNING BREAK</b>	<b>Hall D</b>
10:45am - 12:30pm	<b>48</b>	<b>PARALLEL SCIENTIFIC PAPER SESSIONS</b>	
	<b>CME 1.75</b>		
Session 48a		Interventional: Thrombolysis/Stroke <i>Moderators: Colin P. Derdeyn, MD; Steven W. Hetts, MD</i>	<b>Ballroom ABC</b>
Session 48b		Interventional: Aneurysms II <i>Moderators: Michele H. Johnson, MD, Neeraj Chaudhary, MD</i>	<b>Room 302-304-306</b>
Session 48c		Adult Brain: Vascular, Intracranial <i>Moderators: Meng Law, MD; Sameer Ansari, MD</i>	<b>Room 311</b>
Session 48d		Adult Brain: Inflammatory/Infectious Diseases <i>Moderators: Vincent P. Mathews, MD; Steven G. Imbesi, MD</i>	<b>Room 312</b>
Session 48e		Spine: Intervention: Vertebroplasty, Biopsy, Pain Management <i>Moderators: Joshua A. Hirsch, MD; Vivek Gupta, MD</i>	<b>Room 210</b>
12:30pm - 1:30pm		<b>LUNCH BREAK</b>	<b>Hall D</b>
1:30pm - 3:00pm	<b>49</b>	<b>PARALLEL SCIENTIFIC PAPER SESSIONS</b>	
	<b>CME 1.50</b>		
Session 49a		Adult Brain: Functional Imaging <i>Moderators: Andrei I. Holodny, MD; Joseph A. Maldjian, MD</i>	<b>Ballroom ABC</b>
Session 49b		Interventional: Arteriovenous Malformations/Fistulae <i>Moderators: Jacqueline A. Bello, MD; Alessandro Cianfoni, MD</i>	<b>Room 302-304-306</b>
Session 49c		Spine: Other <i>Moderators: Walter S. Bartynski, MD; Gregg H. Zoarski, MD</i>	<b>Room 311</b>
Session 49d		Adult Brain: Anatomy of Brain and Other <i>Moderators: Achala S. Vagal, MD; Gregory A. Christoforidis, MD</i>	<b>Room 312</b>
Session 49e		Excerpta Extraordinaire: Interventional and Spine <i>Moderators: Jeffrey A. Stone, MD; Sudhir Kathuria, MD</i>	<b>Room 210</b>
3:00pm - 3:30pm		<b>AFTERNOON BREAK</b>	<b>Hall D</b>

<b>3:30pm - 5:00pm</b>	<b>50</b> <b>CME 1.50</b>	<b>ASSR</b>	<b>ASSR PROGRAMMING: VERTEBROPLASTY AND THE INVEST TRIAL</b>	<b>Room 302-304-306</b>
			<i>Moderators: John D. Barr, MD; Jeffrey A. Stone, MD</i>	
3:30pm - 3:50pm			-David F. Kallmes, MD	
3:50pm - 4:10pm			-Joshua A. Hirsch, MD	
4:10pm - 4:30pm			-Allan L. Brook, MD	
4:30pm - 5:00pm			Discussion	
<b>3:30pm - 5:00pm</b>	<b>51</b> <b>CME 1.50</b>	<b>SNIS</b>	<b>SNIS PROGRAMMING: ANEURYSM TREATMENT: ON THE EDGE (SAM) AR+</b>	<b>Ballroom ABC</b>
			<i>Moderator: Cameron G. McDougall, MD</i>	
3:30pm - 3:45pm			Liquid Embolics	
			-R. Sean Pakbaz, MD	
3:45pm - 4:00pm			Liquid Embolic Embolization for Intracranial Aneurysms	
			-Robert A. Mericle, MD	
4:00pm - 4:15pm			Balloon Remodeling	
			-Richard P. Klucznik, MD	
4:15pm - 4:30pm			Stent Assisted	
			-Hashem M. Shaltoni, MD	
4:30pm - 4:45pm			Flow Diverters	
			-David J. Fiorella, MD, PhD	
<b>3:30pm - 5:00pm</b>	<b>52</b> <b>CME 1.50</b>		<b>GENERAL SESSION: TIME IS BRAIN</b>	<b>Room 311</b>
			<i>Moderator: Pamela W. Schaefer, MD</i>	
3:30pm - 4:00pm			Evaluating Infarct Time Course on Diffusion-Weighted Images	
			-James D. Eastwood, MD	
4:00pm - 4:30pm			Assessing Tissue Viability	
			-Pamela W. Schaefer, MD	
4:30pm - 5:00pm			MR Imaging of TIAs and Hyperacute Stroke	
			-Alex Rovira Canellas, MD	
<b>3:30pm - 5:00pm</b>	<b>53</b> <b>CME 1.50</b>		<b>ADVANCED IMAGING SEMINAR: NEW DEVELOPMENTS IN MOLECULAR IMAGING</b>	<b>Room 312</b>
			<i>Moderator: Carolyn C. Meltzer, MD, FACR</i>	
3:30pm - 4:00pm			Functional Molecular Imaging with MR-PET	
			-Bruce R. Rosen, MD, PhD	
4:00pm - 4:30pm			Advances in Neuro-PET	
			Satoshi Minoshima, MD, PhD	
4:30pm - 5:00pm			Imaging Stem Cell Fate and Therapeutic Efficacy In Brain Tumor Models	
			-Khalid Shah, PhD	
<b>5:00pm - 5:15pm</b>	<b>54</b> <b>CME = .25</b>		<b>CLOSING REMARKS</b>	<b>Ballroom ABC</b>
			-Carolyn C. Meltzer, MD, FACR	