

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 3-10-2010

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

Room Capacity
Ballroom ABC = 1230 seating
Room 302-306 = 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		BREAKFAST ON OWN	
8:15am - 10:00am	SY/ISMRM1 CME = 1.75	In collaboration with ASNR/ISMRM Symposium: Technical Advances in Brain Tumor MR Imaging	Ballroom ABC
Saturday, May 15			
		<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	
10:00am - 10:30am		MORNING BREAK	Ballroom ABC Foyer
10:30am - 12:00pm	SY/ISMRM2 CME = 1.5		
<i>Moderators: Peter B. Barker, Phil, PhD; Timothy P.L. Roberts, PhD</i>			
10:30am - 11:00am		Imaging Tumor Cellularity -Brian D. Ross, PhD	
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	
12:00pm - 1:00pm		LUNCH ON OWN	
NER Foundation Symposium 2010: Cancer Imaging for the Neuroradiologist: Fundamentals to Functional and Molecular Imaging			
1:00pm-3:00pm	SY1 CME = 2	CLINICAL PERSPECTIVES	Ballroom ABC
<i>Moderator:</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	
3:00pm - 3:30pm		AFTERNOON BREAK	Ballroom ABC Foyer
3:30pm - 6:00pm	SY2 CME = 2.5	MY APPROACH: THE EXPERTS. PART I. BRAIN TUMORS	Ballroom ABC
<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		BREAKFAST ON OWN	
8:00am - 10:20am	SY3 CME 2.25	MY APPROACH: THE EXPERTS. PART II. HEAD AND NECK CANCER	Ballroom ABC
		<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		MORNING BREAK	Ballroom ABC Foyer
10:50am - 12:30pm	SY4 CME = 1.5	MY APPROACH: THE EXPERTS. PART III. NEOPLASTIC INVOLVEMENT OF THE SPINE	Ballroom ABC
		<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		LUNCH ON OWN	
12:30pm - 1:30pm		NER FOUNDATION SYMPOSIUM LUNCHEON (INVITATION ONLY)	Berkeley A&B - Sheraton
1:30pm - 3:10pm	SY5 CME = 1.5	CANCER RISKS FROM DIAGNOSTIC RADIOLOGY	Ballroom ABC
		<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		AFTERNOON BREAK	Ballroom ABC Foyer
3:30pm - 4:30pm	SY6 CME = 1	SYMPOSIUM WRAP-UP	Ballroom ABC
		<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;

6:30am - 7:55am			BREAKFAST	Auditorium
7:40pm - 7:45am	1		OPENING REMARKS John R. Hesselink, MD, FACR, ASNR President	Ballroom ABC
7:45am - 8:45am	2 CME = 1		MAINTENANCE OF CERTIFICATION (MOC) - REVIEW SESSION (AR+) ADULT AND PEDIATRIC BRAIN <i>Moderators: Pia Maly Sundgren, MD, PhD; Andrea Rossi, MD</i>	Ballroom ABC
7:45am - 8:15am			Adult Brain -Pia Maly Sundgren, MD, PhD	
8:15am - 8:45am			Pediatric Brain -Andrea Rossi, MD	
8:45am - 10:15am	3 CME = 1.50		GENERAL SESSION: PITFALLS IN PRACTICE: SHARPENING YOUR SKILLS <i>Moderators: Robert M. Quencer, MD; David B. Hackney, MD, FACR</i>	Ballroom ABC
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	
10:00am - 10:15am			Discussion	
10:15am - 10:45am			MORNING BREAK	Ballroom ABC Foyer
10:45am - 12:30pm	4 CME = 1.75		PARALLEL SCIENTIFIC PAPER SESSIONS	
	Session 4a		Adult Brain: New Techniques/Post Processing <i>Moderators:</i>	Ballroom ABC
	Session 4b		Adult Brain: Cerebrovascular Occlusive Disease I <i>Moderators: Pamela W. Schaefer, MD; Doris D.M. Lin, MD</i>	Room 302-306
	Session 4c		Trauma: Adult Brain and Spine <i>Moderators: Robert L. Mittl, Jr., MD;</i>	Room 311
	Session 4d		Pediatric: Neoplasms and Cerebrovascular <i>Moderators: Tina Young Poussaint, MD;</i>	Room 312
	Session 4e		Excerpta Extraordinaire: Head and Neck <i>Moderators: Hugh D. Curtin, MD; Ashley H. Aiken, MD</i>	Room 210
10:45am - 12:30pm	5 CME = 1.75	SJ	SYNAPTIC JUNCTION PROGRAMMING - LECTURE THE BUSINESS OF NEURORADIOLOGY	Room 208
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	
12:30pm - 1:30pm			LUNCH BREAK	Auditorium
1:30pm - 3:00pm	6 CME = 1.50	ASPNR	ASPNR PROGRAMMING: BACK PAIN IN CHILDREN: OPTIMIZING IMAGING IN NON TRAUMATIC AND TRAUMATIC ETIOLOGIES <i>Moderator: Nancy K. Rollins, MD, FAAP</i>	Room 311
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	
1:30pm - 3:00pm	7 CME = 1.50	ASFNR	ASFNR PROGRAMMING: PEDIATRIC	Room 302-306
			<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	

1:30pm - 3:00pm	8 CME = 1.50	SOCIOECONOMIC PROGRAMMING: COMPARATIVE EFFECTIVE RESEARCH (AR+) SAM <i>Moderator: Scott Gazelle, MD, PhD, MPH</i>	Ballroom ABC
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	
1:30pm - 3:00pm	9 CME = 1.50	GENERAL SESSION: HEAD AND NECK: SINUS <i>Moderator: Patricia A. Hudgins, MD;</i>	Room 312
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	
1:30pm - 3:00pm	10 SJ CME = 1.50	SYNAPTIC JUNCTION PROGRAMMING - LECTURE DO WE REALLY NEED STANDARDIZED REPORTING? "POINT-COUNTER POINT"	Room 208
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	
3:00pm - 3:30pm		AFTERNOON BREAK	Ballroom ABC Foyer
3:30pm - 5:00pm	11 CME 1.50	PARALLEL SCIENTIFIC PAPER SESSIONS	
Session 11a		Adult Brain: Neoplasms I <i>Moderators: Pratik Mukherjee, MD, PhD; Esperanza Pacheco, MD</i>	Ballroom ABC
Session 11b		Adult Brain: Epilepsy & Other <i>Moderators: William P. Dillon, MD; Patrick J. Oliverio, MD</i>	Room 302-306
Session 11c		Pediatric: Functional Imaging <i>Moderators: Nancy K. Rollins, MD; Arastoo Vossough, PhD, MD</i>	Room 311
Session 11d		Head and Neck: New Techniques <i>Moderators: Jenny K. Hoang, MBBS;</i>	Room 312
5:00pm - 6:30pm	12 ASFNR CME 1.50	ASFNR PROGRAMMING: MULTI-MODALITY/FUNCTIONAL NEUROIMAGING <i>Moderator: Michael D. Phillips, MD</i>	Room 302-306
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 in Dementia -Jeffrey R. Petrella, MD	
5:00pm - 6:30pm	13 ASPNR CME 1.50	ASP NR PROGRAMMING: SEIZURE DISORDER IN CHILDREN: THE ROLE OF HISTOPATHOLOGIC AND FUNCTIONAL IMAGING IN MEDICAL VERSES SURGICAL TREATMENT (AR+) SAM <i>Moderator: Peter Kalina, MD</i>	Ballroom ABC
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	
5:35pm - 5:45pm		<i>Examples of PQI Projects Performed</i> 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			BREAKFAST	Auditorium
7:45am - 8:45am	17 CME 1.00		MAINTENANCE OF CERTIFICATION (MOC) - REVIEW SESSION (AR+) VASCULAR <i>Moderators: Jacqueline A. Bello, MD; Frank C. Tong, MD</i>	Ballroom ABC
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		SOCIOECONOMIC PROGRAMMING: OVERVIEW OF HEALTHCARE REFORM LEGISLATION <i>Moderator: David J. Seidenwurm, MD</i>	Ballroom ABC
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			MORNING BREAK	Hall D
10:45am - 12:30pm	19 CME 1.75		PARALLEL SCIENTIFIC PAPER SESSIONS	
	Session 19a		Adult Brain: Functional Imaging <i>Moderators: John L. Ulmer, MD; Srinu Mukundan, Jr., MD, PhD</i>	Ballroom ABC
	Session 19b		Interventional: New Devices and Techniques <i>Moderators: David F. Kallmes, MD;</i>	Room 302-306
	Session 19c		Pediatric: Developmental/Congenital Malformations and Demyelinating/Degenerative & Neonatal <i>Moderators: L. Santiago Medina, MD, MPH; Orit A. Glen, MD</i>	Room 311
	Session 19d		Head and Neck: Pharynx, Larynx, Soft Tissue Neck, Sinonasal and Temporal Bone <i>Moderators: Nancy J. Fischbein, MD;</i>	Room 312
12:30pm - 1:30pm			LUNCH BREAK	Hall D
12:30pm - 1:30pm			ASPNR ANNUAL BUSINESS MEETING (MEMBERS ONLY)	
12:30pm - 1:30pm			ASFNR ANNUAL BUSINESS MEETING (MEMBERS ONLY)	
12:30pm - 1:30pm			FELLOWS' LUNCHEON	Room 200
1:30pm - 3:00pm	20 CME 1.50	ASPNR	ASPNR PROGRAMMING: SICKLE CELL DISEASE: IMPACT IN PATIENT OUTCOME: ADVANCED IMAGING IN SICKLE CELL DISEASE: PATHOPHYSIOLOGIC AND FUNCTIONAL IMAGING <i>Moderator: Blaise V. Jones, MD</i>	Room 311
1:30pm - 1:55pm			Non MRI Imaging -Jaroslaw Krejza, MD	
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	ASFNR PROGRAMMING: ADULT (AR+) SAM <i>Moderator: Scott H. Faro, MD</i>	Ballroom ABC
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	
2:30pm - 3:00pm			Perfusion/Diffusion in Cerebrovascular Diseases -A. Gregory Sorensen, MD	
1:30pm - 3:00pm	22 CME 1.50	ASHNR	ASHNR PROGRAMMING: HEAD & NECK CANCER I: IMAGING OF SINONASAL AND SKULL BASE CANCER <i>Moderator: C. Douglas Phillips, MD</i>	Room 302-306
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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1:30pm - 3:00pm	23 CME 1.5	SJ	SYNAPTIC JUNCTION PROGRAMMING - LECTURE MAKING THE READING ROOM MORE PLEASANT	Room 208
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	
3:00pm 3:30pm			AFTERNOON BREAK	Hall D
3:30pm - 5:00pm	24 CME = 1.50		PARALLEL SCIENTIFIC PAPER SESSIONS	
Session 24a			Adult Brain: Alzheimer/Demyelinating <i>Moderators: Jeffrey R. Petrella, MD; Didier Dormont, MD</i>	Ballroom ABC
Session 24b			Adult Brain: Cerebrovascular Occlusive Disease II <i>Moderators: Robert W. Tarr, MD; Ronald L. Wolf, MD, PhD</i>	Room 302-306
Session 24c			Head and Neck: Anatomy, Face, Orbit and Congenital <i>Moderators: Christine M. Glastonbury, MBBS; Yoshimi Anzai, MD, MPH</i>	Room 311
Session 24d			Pediatric: New Techniques and Other <i>Moderators:</i>	Room 312
Session 24e			Excerpta Extraordinaire: Adult Brain <i>Moderators: Christopher P. Wood, MD; Gregory Nicola, MD</i>	Room 210
3:30pm - 5:00pm	25 CME = 1.50	SJ	SYNAPTIC JUNCTION PROGRAMMING POST PROCESSING WORKSHOP	Room 207
			Post Processing Introduction and Overview -John L. Go, MD	
5:00pm - 6:30pm	26 CME = 1.50	ASHNR	ASHNR PROGRAMMING: HEAD AND NECK CANCER II: IMAGING OF MUCOSAL MALIGNANCIES OF THE UPPER AERODIGESTIVE TRACT, INCLUDING PET/CT (AR+) SAM	Ballroom ABC
			<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	
5:00pm - 6:30pm	27 CME = 1.50		GENERAL SESSION: IMAGING BIOMARKERS IN DEMENTIA	Room 302-306
			<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, MD	
5:00pm - 6:30pm	28 CME = 1.50		GENERAL SESSION: RADIATION DOSE REDUCTION FOR THE NEURORADIOLOGIST: WHAT YOU NEED TO KNOW!	Room 210
			<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	
5:00pm - 6:30pm	29 CME = 1.50		ADVANCED IMAGING SEMINAR: NEW DEVELOPMENTS IN DIFFUSION MRI	Room 312
			<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	

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6:00am - 7:55am		BREAKFAST	Auditorium
7:45am - 8:45am	30 CME 1.00	MAINTENANCE OF CERTIFICATION (MOC) - REVIEW SESSION (AR+) HEAD AND NECK <i>Moderator: Laurie A. Loevner, MD</i>	Ballroom ABC
7:45am - 8:15am		Hilda Elie Stambuk, MD	
8:15am - 8:45am		Ashley H. Aiken, MD	
8:45am - 10:15am	31 CME 1.50	GENERAL SESSION: FUTURE PERSPECTIVES <i>Moderators: William S. Ball, Jr, MD; Richard H. Wiggins, III, MD, CIIP</i>	Ballroom ABC
8:45am - 9:15am		Neuroradiology, Technology and Neuroscience -R. Nick Bryan, MD, PhD	
9:15am - 9:45am		Applications of Nanotechnology to CNS Imaging and Therapy -James Provenzale, MD	
9:45am - 10:15am		Futuristic Technology for Radiology -Eliot L. Siegel, MD	
10:15am - 10:45am		MORNING BREAK	Hall D
10:45am - 11:00am	32	ASNR PRESIDENTIAL ADDRESS -John R. Hesselink, MD, FACR	Ballroom ABC
11:00am - 11:10am	33	ASNR AWARD ANNOUNCEMENTS -Gold Medal Award -Honorary Member Award -Cornelius G. Dyke Memorial Award -2009 Outstanding Presentation Awards -NER Foundation Scholar Award in Neuroradiology Research -NER Foundation/Boston Scientific Fellowship in Cerebrovascular Disease Research -NER Foundation Grant for Outcomes Research Related to CT and MR Perfusion -Bayer/NER Foundation Fellowship in Basic Science Research Awards	Ballroom ABC
11:10am - 11:45am	34 CME .50	KEYNOTE SPEAKER: THE POLITICS AND ETHICS OF HEALTH CARE REFORM -Darrell G. Kirch, MD	Ballroom ABC
11:45am - 12:10pm	35	AMERICAN SOCIETY OF NEURORADIOLOGY (ASNR) ANNUAL BUSINESS MEETING (MEMBERS ONLY)	Ballroom ABC
11:45am - 1:15pm		LUNCH BREAK	Hall D
1:15pm - 2:45pm	36 CME 1.50	ASHNR ASHNR PROGRAMMING: HEAD AND NECK CANCER III: THYROID, NECK AND PEDIATRICS <i>Moderator: Caroline D. Robson, MB, ChB</i>	Room 312
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	37 CME 1.50	SNIS SNIS PROGRAMMING: STENTS FOR EVERYTHING? <i>Moderator:</i>	Room 302-306
1:15pm - 1:30pm		Stents for Acute Stroke -Elad Levy, MD, FACR, FAHA	
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	38 CME 1.50	ASSR ASSR PROGRAMMING: THE FACET JOINT <i>Moderators: Blake A. Johnson, MD; Douglas S. Fenton, MD</i>	Room 311
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	ASPNR PROGRAMMING: 2010 ASPNR INTERESTING CASE TEAM COMPETITION: BLUE STARS VERSES RED STARS VERSES AUDIENCE <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		RESEARCH IN PROGRESS: AN INTERACTIVE FORUM Sponsored by the Neuroradiology Education and Research Foundation Introduction: An Overview of the NER Foundation Awards -Eric J. Russell, MD, FACR Introduction of Panel Members: Carolyn Meltzer, MD, FACR; Colin Deryn, MD; Meng Law, MD, MBBS, FRACR; Yoshimi Anzai, MD, MPH 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 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 Optimizing Arterial Spin Label MRI for the Visualization of the Collateral Flow in Moyamoya Disease -Greg Zaharchuk, MD, PhD	Room 210
2:45pm - 3:15pm			AFTERNOON BREAK	Hall D
3:15pm - 4:45pm	40 CME 1.50		PARALLEL SCIENTIFIC PAPER SESSIONS	
	Session 40a		Adult Brain: Neoplasms II <i>Moderators: James R. Fink, MD;</i>	Ballroom ABC
	Session 40b		Interventional; Aneurysms I <i>Moderators: Mary E. Jensen, MD;</i>	Room 302-306
	Session 40c		Spine: New Techniques and Degenerative <i>Moderators: Erin S. Schwartz, 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;</i>	Room 210
3:15pm - 4:45pm	41 CME 1.50	SJ	SYNAPTIC JUNCTION PROGRAMMING - LECTURE LEADERSHIP SKILLS AND CHALLENGES	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	ASSR PROGRAMMING: SPINE TRAUMA (AR+) SAM <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		SOCIOECONOMICS PROGRAMMING INFORMATICS OF HEALTHCARE REFORM <i>Moderator: C. Douglas Phillips, MD, FACR</i>	Room 302-306
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	SNIS PROGRAMMING: TRIAL UPDATES: PROGRESS REPORT FROM TRIALS THAT WILL CHANGE YOUR PRACTICE <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		ADVANCED IMAGING SEMINAR: NEW DEVELOPMENTS IN BRAIN PERFUSION IMAGING <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		BREAKFAST	Auditorium
7:45am - 8:45am	46	MAINTENANCE OF CERTIFICATION (MOC) - REVIEW SESSION (AR+) SPINE	Ballroom ABC
	CME 1.00	<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	47	GENERAL SESSION: TACKLING THE MANY FACES OF THE AJNR	Ballroom ABC
	CME 1.5	<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		MORNING BREAK	Hall D
10:45am - 12:30pm	48	PARALLEL SCIENTIFIC PAPER SESSIONS	
	CME 1.75		
Session 48a		Interventional: Thrombolysis/Stroke	Ballroom ABC
		<i>Moderators: Colin P. Derdeyn, MD;</i>	
Session 48b		Interventional: Aneurysms II	Room 302-306
		<i>Moderators: Michele H. Johnson, MD, Neeraj Chaudhary, MD</i>	
Session 48c		Adult Brain: Vascular, Intracranial	Room 311
		<i>Moderators: Meng Law, MD;</i>	
Session 48d		Adult Brain: Inflammatory/Infectious Diseases	Room 312
		<i>Moderators: Vincent P. Matthews, MD;</i>	
Session 48e		Spine: Intervention: Vertebroplasty, Biopsy, Pain Management	Room 210
		<i>Moderators: Joshua A. Hirsch, MD;</i>	
12:30pm - 1:30pm		LUNCH BREAK	Hall D
1:30pm - 3:00pm	49	PARALLEL SCIENTIFIC PAPER SESSIONS	
	CME 1.50		
Session 49a		Adult Brain: Functional Imaging	Ballroom ABC
		<i>Moderators:</i>	
Session 49b		Interventional: Arteriovenous Malformations/Fistulae	Room 302-306
		<i>Moderators: Jacqueline A. Bello, MD;</i>	
Session 49c		Spine: Other	Room 311
		<i>Moderators: Walter S. Bartynski, MD;</i>	
Session 49d		Adult Brain: Anatomy of Brain and Other	Room 312
		<i>Moderators: Achala S. Vagal, MD;</i>	
Session 49e		Excerpta Extraordinaire: Interventional and Spine	Room 210
		<i>Moderators: Jeffrey A. Stone, MD;</i>	
3:00pm - 3:30pm		AFTERNOON BREAK	Hall D

3:30pm - 5:00pm	50 CME 1.50	ASSR	ASSR PROGRAMMING: VERTEBROPLASTY AND THE INVEST TRIAL	Room 302-306
			<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	
3:30pm - 5:00pm	51 CME 1.50	SNIS	SNIS PROGRAMMING: ANEURYSM TREATMENT: ON THE EDGE (SAM) AR+	Ballroom ABC
			<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	
			-Michel E. Mawad, MD	
4:30pm - 4:45pm			Flow Diverters	
			-David J. Fiorella, MD, PhD	
3:30pm - 5:00pm	52 CME 1.50		GENERAL SESSION: TIME IS BRAIN	Room 311
			<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	
3:30pm - 5:00pm	53 CME 1.50		ADVANCED IMAGING SEMINAR: NEW DEVELOPMENTS IN MOLECULAR IMAGING	Room 312
			<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	
5:00pm - 5:15pm	54 CME = .25		CLOSING REMARKS	Ballroom ABC
			-Carolyn C. Meltzer, MD, FACR	