

ASNR 45th Annual Meeting and
Neuroradiology Education and Research (NER) Foundation Symposium 2007: The Aging Brain
June 9 - 14, 2007
Hyatt Regency Chicago Hotel - Chicago, Illinois
As of 5-7-07

(Meals and Breaks: Breakfast, Morning and Afternoon Coffee Services, and Boxed Lunches will be provided throughout the week).

Seating Capacities

Grand Ballroom C-F: 1266 (includes 402 classroom/684 theater)

Columbus I-L: 450

Grand Ballroom A: 400 theater

Grand Ballroom B: 400 theater

(Meals and Breaks: Breakfasts, Morning and Afternoon Coffee Service, and Boxed Lunches will be provided throughout the week.
Please note Annual Meeting food service locations vary throughout week bases on Technical Exhibit hours and How-to Session programming).

<u>Day/Date/Time</u>	<u>Session #</u>	<u>Function</u>	<u>Location</u>
6:30am - 7:55am		BREAKFAST	Grand Ballroom Foyer/ Columbus H
6:30am - 7:30am	HTS 3	HOW-TO SESSION BREAKFAST	Grand Ballroom C-F
7:40am - 7:45am	1	OPENING REMARKS Robert I. Grossman, MD, ASNR President	Grand Ballroom C-F
7:45am - 8:45am	2	MAINTENANCE OF CERTIFICATION (MOC) - HEAD AND NECK REVIEW SESSION (AR+) <i>Moderator: Laurie A. Loevner, MD</i>	Grand Ballroom C-F
	7:45am - 8:15am	-Hilda E. Stambuk, MD	
	8:15am - 8:45am	-Bidyut K. Pramanik, MD	
8:45am - 9:45am	3	GENERAL SESSION: CARDIAC IMAGING FOR THE NEURORADIOLOGIST <i>Moderator: Bruce A. Wasserman, MD</i>	Grand Ballroom C-F
	8:45am - 9:15am	Coronary Artery CTA Interpretation -Elliott K. Fishman, MD	
	9:15am - 9:45am	Cardiac CT: Sources of Strokes -Gautham P. Reddy, MD	
9:45am - 10:10am		MORNING BREAK	Grand Ballroom Foyer/ Columbus H (seating only)
10:15am - 12:00pm	4	PARALLEL SCIENTIFIC PAPER SESSIONS	
		Papers	
	Session 4a	6-17 Adult Brain: Neoplasms I <i>Moderators: Hemant A. Parmar, MBBS, MD; Mark C. Delano, MD</i>	Grand Ballroom C-F
	Session 4b	19-29 Head and Neck: Pharynx, Larynx, Soft Tissue and Sinonasal <i>Moderators: Bronwyn E. Hamilton, MD; Bidyut K. Pramanik, MD</i>	Columbus I-L
	Session 4c	30-42 Anatomy & Techniques <i>Moderators: David Rubinstein, MD; Michael A. Kraut, MD</i>	Grand Ballroom A
	Session 4d	43-54 Adult Brain: Degenerative/Demyelinating/Metabolic Disease I <i>Moderators: Orest Boyko, MD; Peter Kalina, MD</i>	Grand Ballroom B
10:15am - 11:45am	5	ELC WORKSHOP A: INTRODUCTION TO POWERPOINT -David S. Martin, MD	Columbus G
12:00pm - 1:10pm		LUNCH BREAK	Grand Ballroom Foyer/ Columbus H (seating only)
12:10pm - 1:10pm	HTS 4	HOW-TO SESSION LUNCH	Grand Ballroom C-F
1:15pm - 2:45pm	6	ASFNR BRAIN TUMORS (ASFNR) <i>Moderator: Daniel P. Barboriak, MD</i>	Columbus I-L
	1:15pm - 1:45pm	Molecular Mechanisms of Brain Tumor Angiogenesis -Mark W. Dewhirst, DVM, PhD	
	1:45pm - 2:15pm	Brain Tumor Therapy: New Lights on the Horizon -David A. Reardon, MD	
	2:15pm - 2:45pm	Advanced Imaging in Therapeutic Monitoring of Brain Tumors -Daniel P. Barboriak, MD	

<u>Day/Date/Time</u>	<u>Session #</u>	<u>Function</u>	<u>Location</u>
1:15pm - 2:45pm	7	ASHNR SINONASAL CAVITY - ANATOMY, PATHOLOGY AND POST-TREATMENT EVALUATION (ASHNR) (AR+) SELF-ASSESSMENT MODULE (SAM) <i>Moderator: C. Douglas Phillips, MD, FACR</i>	Grand Ballroom C-F
	1:15pm - 1:45pm	Sinonasal Anatomy and Inflammatory Disease -Christine M. Glastonbury, MBBS, FRANZCR	
	1:45pm - 2:15pm	Sinonasal Tumors - Imaging and Staging -Michelle A. Michel, MD	
	2:15pm - 2:45pm	Imaging Evaluation of the Sinonasal Cavity after Therapy -C. Douglas Phillips, MD, FACR	
1:15pm - 2:45pm	8	ELC WORKSHOP B: INTRODUCTION TO POWERPOINT -John L. Go, MD -Barton F. Branstetter IV, MD	Columbus G
1:15pm - 2:45pm	9	ASNR BUSINESS CENTER PROGRAMMING: PART I	Columbus EF
	1:15pm - 2:00pm	Effective Leadership Skills -Norman J. Beauchamp, Jr., MD, MHS	
	2:00pm - 2:45pm	Advanced Leadership: Solving Wicked Problems -Gregory L. Katzman, MD, MBA	
2:45pm - 3:10pm		AFTERNOON BREAK	Grand Ballroom Foyer/ Columbus H (seating only)
3:15pm - 4:45pm	10	ASNR BUSINESS CENTER PROGRAMMING: PART II	Columbus EF
	3:15pm - 4:00pm	Manage Your Turf: An Academic Medical Center Perspective -Norman J. Beauchamp, Jr., MD, MHS	
	4:00pm - 4:45pm	Strategic Planning in Academia -David M. Yousem, MD, MBA	
3:15pm - 4:45pm	11	PARALLEL SCIENTIFIC PAPER SESSIONS	
		Papers	
	Session 11a	68-78 Head and Neck: Temporal Bone and Misc <i>Moderators: Kelly K. Koellner, MD, FACR; Gul Moonis, MB, BS</i>	Grand Ballroom C-F
	Session 11b	79-89 Adult Brain: Degenerative/Demyelinating/Metabolic Disease II <i>Moderators: Annette J. Johnson, MD; Richard M. Berger, MD</i>	Columbus I-L
	Session 11c	90-100 Adult Brain: Vascular Extracranial and Intracranial <i>Moderators: Linda J. Bagley, MD; Paul E. Kim, MD</i>	Grand Ballroom A
	Session 11d	101-111 Adult Brain: Functional Imaging <i>Moderators: Aaron S. Field, MD, PhD; Joseph A. Maldjian, MD</i>	Grand Ballroom B
3:15pm - 4:45pm	12	ELC WORKSHOP B: ADVANCED POWERPOINT M -H. Christian Davidson, MD M -Adam E. Flanders, MD	Columbus G
4:45pm - 6:15pm	13	ASHNR TEMPORAL BONE - ADVANCED ANATOMY, IMAGING OF INFLAMMATORY DISEASE AND POST-TREATMENT EVALUATION (ASHNR) <i>Moderator: Timothy L. Larson, MD</i>	Grand Ballroom A
	4:45pm - 5:15pm	Temporal Bone Anatomy - The Advanced Course -John I. Lane, MD	
	5:15pm - 5:45pm	Inflammatory Disease of the Temporal Bone -Joel D. Swartz, MD	
	5:45pm - 6:15pm	Imaging the Temporal Bone Following Surgery -Timothy L. Larson, MD	
4:45pm - 6:15pm	14	CASE-BASED REVIEW SESSION (ASPNR) (AR+) <i>Moderators: Gary L. Hedlund, DO; Charles M. Glasier, MD</i>	Grand Ballroom C-F

<u>Day/Date/Time</u>	<u>Session #</u>	<u>Function</u>	<u>Location</u>
4:45pm - 6:15pm	15	ADVANCED IMAGING SEMINAR - DIFFUSION	Columbus I-L
		<i>Moderators: Timothy P.L. Roberts, PhD; Howard A. Rowley, MD</i>	
	4:45pm - 5:15pm	Diffusion Basics -P. Ellen Grant, MD	
	5:15pm - 5:45pm	Diffusion Tensor Imaging -Aaron S. Field, MD, PhD	
	5:45pm - 6:15pm	Diffusion and Perfusion: Evidence from Trials Howard A. Rowley, MD	
4:45pm - 5:45pm	16	ELC LECTURE A: SPEECH RECOGNITION	Columbus G
		- Barton F. Branstetter IV, MD	

General Neuro; ASFNR: American Society of Functional Neuroradiology; AR+: Audience Response Plus+

<u>Day/Date/Time</u>	<u>Session #</u>	<u>Function</u>	<u>Location</u>
6:30am - 7:55am		BREAKFAST	Grand Ballroom Foyer/ Columbus H (seating only)
6:30am - 7:30am	HTS 5	HOW-TO SESSION BREAKFAST	Grand Ballroom C-F
7:45am - 8:45am	17	MAINTENANCE OF CERTIFICATION (MOC) - BRAIN MRS REVIEW SESSION (AR+) <i>Moderator: Meng Law, MD</i>	Grand Ballroom C-F
	7:45am - 8:15am 8:15am - 8:45am	-Alena Horska, PhD -David S. Titelbaum, MD	
8:45am - 10:00am	18	GENERAL SESSION: NEURODEGENERATIVE DISORDERS <i>Moderator: Ronald L. Wolf, MD, PhD</i>	Grand Ballroom C-F
	8:45am - 9:10am	Pediatric Basal Ganglia Disorders -Zoltan Patay, MD	
	9:10am - 9:35am	Adult Basal Ganglia Disorders -Doris D.M. Lin, MD, PhD	
	9:35am - 10:00am	Functional Imaging in Parkinson's Disease and fMRI of Deep Brain Stimulators -Michael D. Phillips, MD	
10:00am - 10:25am		MORNING BREAK	Riverside Center West Hall
10:30am - 12:00pm	19	PARALLEL SCIENTIFIC PAPER SESSIONS	
		Papers	
	Session 19a	126-136 Pediatrics: Diffusion Tensor Imaging <i>Moderators: Kathleen J. Helton, MD; Nancy K. Rollins, MD, FAAP</i>	Grand Ballroom C-F
	Session 19b	137-146 Vascular Interventional <i>Moderators: Steven G. Imbesi, MD;</i>	Columbus I-L
	Session 19c	147-157 Head and Neck: Orbit, Face, New Techniques, Other <i>Moderators: Eric M. Spickler, MD; Hilda E. Stambuk, MD</i>	Grand Ballroom A
	Session 19d	158-168 Pediatrics: Misc. Neoplasms, Trauma, Other and New Techniques <i>Moderators: Timothy N. Booth, MD; Michael C. Morriss, MD</i>	Grand Ballroom B
10:30am - 12:00pm	20	ELC WORKSHOP C: TEACHING FILE CREATION -Adam E. Flanders, MD	Columbus G
12:00pm - 1:10pm		LUNCH BREAK	Riverside Center West Hall
12:10pm - 1:10pm	HTS 6	HOW-TO SESSION LUNCH	Grand Ballroom C-F
12:10pm - 1:10pm	21	AMERICAN SOCIETY OF PEDIATRIC NEURORADIOLOGY (ASPNR) ANNUAL BUSINESS MEETING (MEMBERS ONLY)	Grand Ballroom A
12:10pm - 1:10pm	22	AMERICAN SOCIETY OF FUNCTIONAL NEURORADIOLOGY (ASFNR) ANNUAL BUSINESS MEETING (MEMBERS ONLY)	Grand Ballroom B
1:15pm - 2:45pm	23	ASFNR ALZHEIMER'S DISEASE (ASFNR) (AR+) SELF-ASSESSMENT MODULE (SAM) <i>Moderator: Jeffrey R. Petrella, MD</i>	Grand Ballroom C-F
	1:15pm - 1:45pm	Imaging in Alzheimer's Disease: Past, Present and Future -Jeffrey R. Petrella, MD	
	1:45pm - 2:15pm	Alzheimer's Disease: Pathology and Therapeutic Targets -David A. Bennett, MD	
	2:15pm - 2:45pm	Molecular Imaging in Alzheimer's Disease -Carolyn C. Meltzer, MD	

<u>Day/Date/Time</u>	<u>Session #</u>	<u>Function</u>	<u>Location</u>
1:15pm - 2:45pm	24	ASHNR UPPER AERODIGESTIVE TRACT - TUMOR DETECTION, STAGING AND POST-TREATMENT EVALUATION (ASHNR) <i>Moderator: Hugh D. Curtin, MD</i>	Columbus I-L
	1:15pm - 1:45pm	Carcinoma of the Upper Aerodigestive Tract - Critical Anatomy and Initial Detection -Hugh D. Curtin, MD	
	1:45pm - 2:15pm	Current Concepts in Imaging Staging of Head and Neck Cancer - Better Accuracy or "Stage Creep"? -Suresh K. Mukherji, MD	
	2:15pm - 2:45pm	Head and Neck Post-Treatment Imaging: Efficacy, Pitfalls and Complications -Lawrence E. Ginsberg, MD	
1:15pm - 2:45pm	25	ELC WORKSHOP D: ADOBE PHOTOSHOP AND ELEMENTS -Richard M. Berger, MD	Columbus G
1:15pm - 2:45pm	26	ASNR BUSINESS CENTER PROGRAMMING: PART I	Columbus EF
	1:15pm - 2:00pm	Strategic Planning in Private Practice -Jonathan Breslau, MD	
	2:00pm - 2:45pm	Strategic Challenges to Radiology in the 21st Century -Frank J. Lexa, VII, MD	
2:45pm - 3:10pm		AFTERNOON BREAK	Riverside Center West Hall
3:15pm - 4:45pm	27	ASNR BUSINESS CENTER PROGRAMMING: PART II	Columbus EF
	3:15pm - 4:00pm	Protecting Your Private Practice Turf in the 21st Century: Fighting Gravity -Jonathan Breslau, MD	
	4:00pm - 4:45pm	300,000,000 Million Customers: Patient Perspectives on Service and Quality in Radiology -Frank J. Lexa, VII, MD	
3:15pm - 4:45pm	28	PARALLEL SCIENTIFIC PAPER SESSIONS	
		Papers	
	Session 28a	181-191 Adult Brain: fMRI <i>Moderators: Edmond A. Knopp, MD;</i>	Grand Ballroom C-F
	Session 28b	192-202 Spine: Spinal Injections and Vertebroplasty <i>Moderators: Gregory A. Christofordis, MD; Greg H. Zoarski, MD</i>	Columbus I-L
	Session 28c	203-213 Pediatrics: Developmental/Congenital Malformations and Neonatal Imaging <i>Moderators: Gilbert Vezina, MD; Charles A. Raybaud, MD</i>	Grand Ballroom A
	Session 28d	214-224 Interventional: New Devices and Techniques <i>Moderators: A. Daniel Sasson, MD; Huy M. Do, MD</i>	Grand Ballroom B
3:15pm - 4:45pm	29	ELC WORKSHOP B: ADVANCED POWERPOINT -H. Christian Davidson, MD -Adam E. Flanders, MD	Columbus G
4:45pm - 6:15pm	30	ASFNR STROKE (ASFNR) <i>Moderator: James D. Eastwood, MD</i>	Grand Ballroom A
	4:45pm - 5:15pm	Pathophysiology of Brain Attack -Colin P. Derdeyn, MD	
	5:15pm - 5:45pm	Quantitative Evaluation of Conventional CT using ASPECTS for Guiding Acute Stroke Therapy -Andrew M. Demchuk, MD, FRCPC	
	5:45pm - 6:15pm	Physiologic Imaging in Acute Stroke -R. Gilberto Gonzalez, MD, PhD	

4:45pm - 6:15pm	31	ASP NR MALFORMATIONS, PHAKOMATOSES AND ISCHEMIC/TRAUMATIC INJURY (ASP NR) (AR+) SELF-ASSESSMENT MODULE (SAM) <i>Moderators: Charles M. Glasier, MD; Gary L. Hedlund, DO</i>	Grand Ballroom C-F
	4:45pm - 5:15pm	Common Congenital Malformations -Rosalind B. Dietrich, MD	
	5:15pm - 5:45pm	Common Phakomatosis -Alice C. Patton, MD	
	5:45pm - 6:15pm	Ischemic/Traumatic Injury to the Pediatric Brain -Gilbert Vezina, MD	
4:45pm - 6:15pm	32	ADVANCED IMAGING SEMINAR - TECHNIQUES FOR FUNCTIONAL IMAGING <i>Moderators: Timothy P.L. Roberts, PhD; Howard A. Rowley, MD</i>	Columbus I-L
	4:45pm - 5:15pm	BOLD fMRI: State of the Clinical Art -Andrei I. Holodny, MD	
	5:15pm - 5:45pm	Arterial Spin Labeling (ASL) -John Detre, MD	
	5:45pm - 6:15pm	Vascular Space Occupancy (VASO) -Peter C. Van Zijl, PhD	
4:45pm - 5:45pm	33	ELC LECTURE B: PACS INTRODUCTION & PACS MIGRATION -C. Douglas Phillips, MD, FACR -Richard H. Wiggins, III, MD	Columbus G
6:30pm - 8:00pm		ASNR RECEPTION WITH TECHNICAL EXHIBITORS	Riverside Center West Hall

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6:30am - 7:55am		BREAKFAST	Grand Ballroom Foyer/ Columbus H (seating only)
6:30am - 7:30am	HTS 7	HOW-TO SESSION BREAKFAST	Grand Ballroom C-F
7:45am - 8:45am	34	MAINTENANCE OF CERTIFICATION (MOC) - SPINE AND PEDIATRICS REVIEW SESSION (AR+) <i>Moderator: Gilbert Vezina, MD</i>	Grand Ballroom C-F
	7:45am - 8:15am 8:15am - 8:45am	-Jacqueline A. Bello, MD -Jill V. Hunter, MD, MBBS, FRCR	
8:45am - 9:45am	35	GENERAL SESSION: CNS INFECTIONS <i>Moderator: Jay J. Pillai, MD</i>	Grand Ballroom C-F
	8:45am - 9:05am 9:05am - 9:25am 9:25am - 9:45am	Perinatal/Infant Infections -Robert A. Zimmerman, MD New Flus and Viruses and Ticks -Franz J. Wippold, II, MD Adult CNS Infections -Dorith Goldsher, MD	
9:45am - 10:10am		MORNING BREAK	Riverside Center West Hall
10:15am - 11:00am	36	ASNR PRESIDENTIAL ADDRESS - Robert I. Grossman, MD, ASNR President	Grand Ballroom C-F
11:00am - 11:10am	37	ASNR AWARD ANNOUNCEMENTS -Gold Medal Award -NER Foundation Outstanding Contributions in Research Award -Cornelius G. Dyke Memorial Award -2006 Outstanding Presentation Awards -NER Foundation Scholar Award in Neuroradiology Research -NER Foundation/Boston Scientific Fellowship in Cerebrovascular Disease Research -Berlex/NER Foundation Fellowship in Basic Science Research Awards	Grand Ballroom C-F
11:10am - 11:40am	38	"Nanomedicine and the Future of Neuroradiology" -William S. Ball, Jr., MD	Grand Ballroom C-F
11:40am - 12:00pm	39	American Society of Neuroradiology (ASNR) ANNUAL BUSINESS MEETING <i>(Members only)</i>	Grand Ballroom C-F
12:00pm - 1:10pm		LUNCH BREAK	Riverside Center West Hall
12:10pm - 1:10pm	HTS 8	HOW-TO SESSION LUNCH	Grand Ballroom C-F

General Neuro; ASITN: American Society of Interventional & Therapeutic Neuroradiology;
ASPNR: American Society of Pediatric Neuroradiology; **ASSR:** American Society of Spine Radiology;

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1:15pm - 2:45pm	40	ASSR CURRENT CONCEPTS IN SPINAL INSTABILITY (ASSR)	Columbus I-L
		<i>Moderators: Victor M. Haughton, MD; Alyssa T. Watanabe, MD</i>	
	1:15pm - 1:40pm	Etiology and Biomechanics of Lumbar Disk Disease -Helen E. Gruber, PhD	
	1:40pm - 2:10pm	Spinal Instability: Imaging Techniques -Johan W. Van Goethem, MD, PhD -Luigi Manfre, MD	
	2:10pm - 2:35pm	A Spine Surgeon's Perspective: Current And Future Trends - Hyun Bae, MD	
	2:35pm - 2:45pm	Discussion	
1:15pm - 2:45pm	41	ASITN SPINAL VASCULAR DISEASE (ASITN) (AR+) SELF-ASSESSMENT MODULE (SAM)	Grand Ballroom C-F
		<i>Moderator: Joshua A. Hirsch, MD</i>	
	1:15pm-1:45pm	Spinal Cord Anatomy/Pathophysiology -Mary E. Jensen, MD	
	1:45pm - 2:15pm	Vascular Malformations of the Spine -In Sup Choi, MD	
	2:15pm - 2:45pm	Evaluation & Treatment of Spinal Column Tumors -Jeffrey A. Stone, MD	
1:15pm - 2:45pm	42	ASPNR CLINICAL RESEARCH IN PEDIATRIC NEURORADIOLOGY- PITFALLS AND PROJECTS (ASPNR)	Grand Ballroom A
		<i>Moderators: Nancy K. Rollins, MD, FAAP; William S. Ball, Jr., MD</i>	
	1:15pm - 2:45pm	Imaging as an Indicator of Response: Quality, Reproducibility and Quantitative Analysis -C. Carl Jaffe, MD (Presentation of prospective externally funded multi-institutional or multidisciplinary investigations)	
1:15pm - 2:45pm	43	ELC WORKSHOP E: ADVANCED WEB DESIGN	Columbus G
		-Dale A. Charletta, MD	
2:45pm - 3:10pm		AFTERNOON BREAK	Riverside Center West Hall
3:15pm - 4:45pm	44	PARALLEL SCIENTIFIC PAPER SESSIONS	
		Papers	
	Session 44a	254-264 Spine: Neoplasms and Other <i>Moderators: Gregory W. Petermann, MD; Eric D. Schwartz, MD</i>	Grand Ballroom C-F
	Session 44b	265-275 Adult Brain: Cerebrovascular Occlusive Disease I <i>Moderators: Mark E. Mullins, MD, PhD; Jerrold Boxerman, MD</i>	Columbus I-L
	Session 44c	276-286 Pediatrics: Cerebrovascular Diseases, Degenerative, Demyelinating, Metabolic Disease <i>Moderators: Evelyn M. Sklar, MD; Paul D. Griffiths, MD</i>	Grand Ballroom A
	Session 44d	287-297 Interventional: Aneurysms I <i>Moderators: Roland R. Lee, MD; Mahesh V. Jayaraman, MD</i>	Grand Ballroom B
3:15pm - 4:45pm	45	ELC WORKSHOP D: ADOBE PHOTOSHOP AND ELEMENTS	Columbus G
		-Richard M. Berger, MD	
4:00pm - 5:30pm		FELLOWS WELCOME RECEPTION	Columbus EF or Regency Ballroom AB
4:45pm - 6:15pm	46	ASPNR CANCER AND THE PEDIATRIC BRAIN - DIAGNOSIS AND THE EFFECTS OF TREATMENT (ASPNR)	Grand Ballroom A
		<i>Moderators: Timothy N. Booth, MD; Tina Young Poussaint, MD</i>	
	4:45pm - 5:15pm	Review of Pediatric Intracranial Neoplastic Diseases -Tina Young Poussaint, MD	
	5:15pm - 5:45pm	Clinical Impact on the Developing Brain from Treatment of Childhood Malignancy Naomi Winick, MD	
	5:45pm - 6:15pm	Imaging of Treatment Effects -Fred H. Laningham, MD	

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ASSR: American Society of Spine Radiology; **AR+:** Audience Response Plus+ Programming

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4:45pm - 6:15pm	47	ASITN ACUTE STROKE TRIALS (ASITN)	Grand Ballroom B
		<i>Moderator: Reza Jahan, MD</i>	
	4:45pm - 5:05pm	Designing Stroke Trials in the 21st Century - Opportunities and Limitations -Gary M. Nesbit, MD	
	5:05pm - 5:25pm	IMS II: Final Data and IMS III: An Update -Pooja Khatri, MD	
	5:25pm - 5:45pm	The Multi-MERCI Trial -Reza Jahan, MD	
	5:45pm - 6:05pm	The MR Rescue Trial -Chelsea Kidwell, MD	
	6:05pm - 6:15pm	Discussion	
4:45pm - 6:15pm	48	ASSR DIAGNOSTIC IMAGING IN THE SPINE (ASSR) (AR+) SELF-ASSESSMENT MODULE (SAM)	Grand Ballroom C-F
		<i>Moderators: Erin Simon Schwartz, MD; Robert M. Quencer, MD</i>	
	4:45pm - 5:15pm	Ultra-high Field MRI: Imaging and Safety Issues - William G. Bradley, Jr., MD, PhD, FACR	
	5:15pm - 5:45pm	Diffusion Tensor Imaging of the Spine -Meng Law, MD	
	5:45pm - 6:05pm	Ultra-Short TE MR Imaging of the Spine -Graeme M. Bydder, MB, ChB	
	6:05pm - 6:15pm	Discussion	
4:45pm - 6:15pm	49	ADVANCED IMAGING SEMINAR - PERFUSION	Columbus I-L
		<i>Moderators: Timothy P.L. Roberts, PhD; Howard A. Rowley, MD</i>	
	4:45pm - 5:15pm	Perfusion Imaging: State of the Art -James M. Provenzale, MD	
	5:15pm - 5:45pm	Permeability Imaging -Daniel P. Barboriak, MD	
	5:45pm - 6:15pm	Vascular Reactivity -David J. Mikulis, MD	

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6:30am - 7:55am		BREAKFAST	Grand Ballroom Foyer/ Columbus H (seating only)
6:30am - 7:30am	HTS 9	HOW-TO SESSION BREAKFAST	Grand Ballroom C-F
7:45am - 8:45am	50	MAINTENANCE OF CERTIFICATION (MOC) - VASCULAR AND INTERVENTIONAL REVIEW SESSION (AR+) <i>Moderator: Ay-Ming Wang, MD, FACR</i>	Grand Ballroom C-F
	7:45am - 8:15am 8:15am - 8:45am	-Christine M. Glastonbury, MBBS, FRANZCR -Abraham M. Obuchowski, MD	
8:45am - 9:45am	51	GENERAL SESSION: SPINE <i>Moderator: Erin Simon Schwartz, MD</i>	Grand Ballroom C-F
	8:45am - 9:05am 9:05am - 9:25am 9:25am - 9:45am	Cervical Spine Fusions -Paul A. Anderson, MD Cervical Myelopathy from Degenerative Causes -Adam E. Flanders, MD Stem Cell and Spinal Cord Injury -John A. Kessler, MD	
9:45am - 10:10am		MORNING BREAK	Riverside Center West Hall
10:15am - 12:00pm	52	PARALLEL SCIENTIFIC PAPER SESSIONS	
	Session 52a	Papers 318-329 Interventional: Aneurysms II <i>Moderators: Aquilla S. Turk, DO; Gregg H. Zoarski, MD</i>	Grand Ballroom C-F
	Session 52b	330-341 Interventional: New Devices and Equipment <i>Moderators: Robert W. Tarr, MD; Philippe E. Gailloud, MD</i>	Columbus I-L
	Session 52c	342-354 Adult Brain: Cerebrovascular Occlusive Disease II and Epilepsy <i>Moderators: Jay J. Pillai, MD; Pina C. Sanelli, MD</i>	Grand Ballroom A
	Session 52d	355-366 Trauma: Head and Spine <i>Moderators: Brian C. Bowen, PhD, MD; Jaya Nath, MD</i>	Grand Ballroom B
12:00pm - 1:10pm		LUNCH BREAK	Riverside Center West Hall
12:10pm - 1:10pm	HTS 10	HOW-TO SESSION LUNCH	
12:10pm - 1:10pm		AMERICAN SOCIETY OF SPINE RADIOLOGY (ASSR) ANNUAL BUSINESS MEETING (MEMBERS ONLY)	Grand Ballroom A
1:15pm - 2:45pm	53	ASSR SPINAL INTERVENTIONS UPDATE (ASSR) <i>Moderators: Bassem A. Georgy, MD; Gregg H. Zoarski, MD</i>	Columbus I-L
	1:15pm - 1:45pm 1:45pm - 2:10pm 2:10pm - 2:35pm 2:35pm - 2:45pm	Vertebroplasty and Kyphoplasty -Afshin Gangi, MD, PhD Diagnosis and Treatment of Facet Arthropathy -Blake A. Johnson, MD CT-Guided Pain Management: A New Level of Success -Allan L. Brook, MD Discussion	
1:15pm - 2:45pm	54	ASITN SUBARACHNOID HEMORRHAGE AND ANEURYSMS (ASITN	Grand Ballroom C-F
	1:15pm - 1:45pm 1:45pm - 2:15pm 2:15pm - 2:45pm	<i>Moderator: Robert W. Tarr, MD</i> Imaging Algorithms for Evaluation of Subarachnoid Hemorrhage -Joshua A. Hirsch, MD CT Perfusion for Vasospasm Management -Ansaar T. Rai, MD Aneurysm Screening: Who, When & How? -Phillip M. Meyers, MD	

<u>Day/Date/Time</u>	<u>Session #</u>	<u>Function</u>	<u>Location</u>
2:45pm - 3:10pm		AFTERNOON BREAK	Riverside Center West Hall
3:15pm - 4:45pm	55	PARALLEL SCIENTIFIC PAPER SESSIONS	
		Papers	
Session 55a	373-382	Adult Brain: Cerebrovascular Occlusive Disease III <i>Moderators: Robert A. Koenigsberg, DO, FACR; Ronald L. Wolf, MD, PhD</i>	Grand Ballroom C-F
Session 55b	384-394	Interventional: Stroke and Arteriovenous Malformations/Fistulae <i>Moderators: Joshua A. Hirsch, MD; Frank C. Tong, MD</i>	Columbus I-L
Session 55c	395-405	Spine: Spinal Cord & Degenerative Inflammatory Infections <i>Moderators: Wendy A. Cohen, MD; John L. Go, MD</i>	Grand Ballroom A
Session 55d	406-416	Adult Brain: Neoplasms II and New Techniques Post-Processing <i>Moderators: Nathaniel D. Wycliffe, MD; John J. Wasenko, MD</i>	Grand Ballroom B
4:45pm - 6:15pm	56	ADVANCED IMAGING SEMINAR - FASTER AND FASTER	Columbus I-L
		<i>Moderators: Timothy P.L. Roberts, PhD; Howard A. Rowley, MD</i>	
4:45pm - 5:10pm		Time-Resolved Contrast - Enhanced MR Angiography -Frank R. Korosec, PhD	
5:10pm - 5:40pm		Clinical Applications of Faster MRA -Ruth P. Lim, MD	
5:40pm - 6:15pm		Cerebrovascular HYPR MRA: A New Generation of MRA Sequence -Patrick A. Turski, MD	
6:15pm - 6:30pm		CLOSING REMARKS	Grand Ballroom C-F