

ELC: Electronic Learning Center; ASPNR: American Society of Pediatric Neuroradiology; ASHNR: American Society of Head and Neck Radiology

6:30am - 7:50am

BREAKFAST

6:50am - 7:50am

HOW-TO SESSION BREAKFAST: Toshiba America Medical Systems, Inc./Vital Images, Inc.

Ballroom 6 B/C

7:55am - 8:00am

1

OPENING REMARKS
Charles M. Strother, MD, ASNR President

Ballroom 6 B/C

8:00am - 9:00am

2
CEU 1

ELC LECTURE A: THE RADIOLOGIST'S COMPUTER: PC AND MACINTOSH PERSPECTIVES

Ballroom 6 A

Hervey D. Segall, MD; Gregory L. Katzman, MD

8:00am - 9:30am

3
CEU 1.5

NONACCIDENTAL INJURY (NAI) OF THE DEVELOPING BRAIN: ISSUES, CONTROVERSIES, AND THE MIMICS (ASP NR)

Room 606-609

Moderators: Patrick D. Barnes, MD

8:00am - 8:30am

Clinical and Pathologic Aspects
- John A. Plunkett, MD

8:30am - 9:00am

Biomechanics of Traumatic Shaking Injury

- Faris A. Bandak, PhD

9:00am - 9:30am

Neuroimaging Aspects
- Patrick D. Barnes, MD

8:00am - 9:30am

4
CEU 1.5

HEAD AND NECK CARCINOMA: WHAT THE CLINICIANS NEED TO KNOW (ASHNR)

Ballroom 6 B/C

Moderators: William P. Dillon, MD; Laurie A. Loevner, MD

8:00am - 8:30am

Larynx
Suresh K. Mukherji, MD

8:30am - 9:00am

Oral Cavity and Oropharynx
- Robert B. Lufkin, MD

9:00am - 9:30am

Nasopharynx
- Nancy J. Fischbein, MD

8:00am - 12:00pm

5
CEU 3.75

ASNR GRANT WRITING SEMINAR: PRACTICAL TIPS ON GETTING YOUR GRANT FUNDED - PART I

Room 305

- Janet S. Rasey, PhD

9:30am - 10:05am

MORNING BREAK

10:15am - 11:45am

6
CEU 1.5

PARALLEL SCIENTIFIC PAPER SESSIONS

Session 6a

Adult Brain: General and High Field Imaging (ends at 11:50am)

Ballroom 6 B/C

*Moderators:**Michael Lipton, MD ; David J. Seidenwurm, MD*

Session 6b

Adult Brain: Cerebrovascular Disease and Stroke

Ballroom 6 A

*Moderators:**Ellen G Hoeffner, MD; Eric J. Russell, MD, FACR*

Session 6c

Head & Neck: General

Room 606-609

*Moderators:**Nancy J. Fischbein, MD; Patricia A Hudgins, MD*

Session 6d

Pediatrics: Fetal and Neonatal Imaging

Room 611-612

*Moderators:**Vincent P. Mathews, MD; Charles L. Truwit, MD*

10:15am - 11:45am

7
CEU 1.5

ELC WORKSHOP A: POWERPOINT FOR THE NOVICE

Room 602-603

David S. Martin, MD; John L. Go, MD

11:45am - 12:50pm

LUNCH BREAK

1:00pm - 1:30pm

8
CEU .5

ELC LECTURE B: PDA's AND THE RADIOLOGIST

Ballroom 6 A

Richard H. Wiggins, III, MD

1:00pm - 2:30pm	9 CEU 1.5	LEARNING DISABILITIES IN CHILDHOOD (ASPNR)	Room 606-609
		<i>Moderators: Carolyn Cidis Meltzer, MD; Nolan R. Altman, MD</i>	
1:00pm -1:30pm		Overview of Learning Disorders: Current Concepts, Biological Foundations, and Research - Bruce McCandliss, PhD	
1:30pm - 2:00pm		Functional MR Imaging in Children: Techniques, Current Usefulness - Bruce McCandliss, PhD	
2:00pm - 2:30pm		Pediatric Applications of Functional MR Imaging -Nolan R. Altman, MD	
1:00pm - 2:30pm	10 CEU 1.5	CT, MRI AND PET IMAGING IN TREATED NECK (ASHNR)	Ballroom 6 B/C
		<i>Moderators: Laurie A. Loevner, MD; David M. Yousem, MD</i>	
1:00pm - 1:30pm		Role of PET/CT in Imaging of the Neck - Melanie B. Fukui, MD	
1:30pm – 2:00pm		Postoperative Imaging of the Neck Daniel W. Williams, III, MD	
2:00pm - 2:30pm		Posttreatment Imaging of Larynx - David M. Yousem, MD	
1:30pm - 2:00pm	11 CEU .5	ELC LECTURE C: HIGH SPEED CONNECTIVITY AND NETWORKING FOR WORK AND HOME	Ballroom 6 A
		Gerard J. Muro, MD	
2:00pm - 2:30pm	11A	NATIONAL LIBRARY OF MEDICINE: PUBMED/MEDLINE SHORT DEMONSTRATION LECTURE	Room 611-612
		- Linda Milgrom; Outreach Coordinator/Librarian, National Library of Medicine	
2:30pm - 2:55pm		AFTERNOON BREAK	
3:00pm - 4:30pm	12 CEU 1.5	PARALLEL SCIENTIFIC PAPER SESSIONS	
Session 12a		Adult Brain: Neoplasms (ends at 4:35pm) <i>Moderator: Pamela W. Schaefer, MD; Aaron S. Field, MD, PhD</i>	Ballroom 6 B/C
Session 12b		Adult Brain: Cerebrovascular Disease and Stroke <i>Moderator: William T.C. Yuh, MD, MSEE; Robert D. Zimmerman, MD</i>	Ballroom 6 A
Session 12c		Head & Neck: General <i>Moderator: Laurie A. Loevner, MD; Suresh K. Mukherji, MD</i>	Room 606-609
Session 12d		Pediatrics: General and Developmental and Congenital Disorders <i>Moderator: Bernadette L. Koch, MD; Thomas P. Naidich, MD</i>	Room 611-612
3:00pm - 4:30pm	13 CEU 1.5	ELC WORKSHOP B: POWERPOINT FOR ADVANCED USERS	Room 602-603
		H. Christian Davidson, MD; Richard H. Wiggins, III, MD	
4:40pm - 5:40pm	14 CEU 1	ELC LECTURE D: CD & DVD EXPERTISE: WHAT YOU NEED TO KNOW	Room 606-609
		Barton F. Branstetter, IV, MD	
4:40pm - 6:10pm	15 CEU 1.5	TREATMENT OF CNS PEDIATRIC NEOPLASTIC DISEASE: RESPONSE & COMPLICATIONS (ASPNR)	Room 611-612
		<i>Moderators: Robert A. Zimmerman, MD; Lucy B. Rorke, MD</i>	
4:40pm - 4:50pm		Overview of Pediatric CNS Neoplasms - Roger Packer, MD	
4:50pm - 5:10pm		Neuroradiologists' Approach to Pediatric CNS Neoplasms - Robert A. Zimmerman, MD	
5:10pm - 5:30pm		The Central Role of Neuroimaging in Radiation Therapy Planning: Delivery & Follow-up - Thomas E. Merchant, DO, PhD	
5:30pm - 5:50pm		Role of Chemotherapy & Molecular Targeted Therapy for Brain Tumors - Roger Packer, MD	
5:50pm - 6:10pm		Complications of Radiation and Chemotherapy - Lucy B. Rorke, MD	

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4:40pm - 6:10pm	16 CEU 1.5	STUMP THE STARS (ASHNR)	Ballroom 6 A
		<i>Moderator: David M. Yousem, MD Panelists: Patricia A. Hudgins, MD, Suresh K. Mukherji, MD; H. Ric Harnsberger, MD</i>	
4:40pm - 6:10pm	17 CEU 1.5	ADVANCED IMAGING SEMINAR - DIFFUSION	Ballroom 6 B/C
		<i>Moderators: Timothy P.L. Roberts, PhD; Howard A. Rowley, MD</i>	
4:40pm - 5:05pm		Overview of Physiologically-Specific Neuroimaging - Michael W. Weiner, MD	
5:05pm - 5:30pm		Basics and Clinical Applications of DWI - P. Ellen Grant, MD	
5:30pm - 5:55pm		Diffusion Tensor Imaging (DTI) Techniques and Terminology - Thomas E. Conturo, MD, PhD	
5:55pm -6:10pm		Diffusion Tensor Imaging (DTI) Fiber Tracking - Pratik Mukherjee, MD, PhD	
5:40pm - 6:10pm	18 CEU .5	ELC ROUNDTABLE: Q & A WITH TODAY'S SPEAKERS	Room 606-609
		David S. Martin, MD; John L. Go, MD; H. Christian Davidson, MD; Hervey D. Segall, MD; Gregory L. Katzman, MD; Richard H. Wiggins, III, MD; Gerard J. Muro, MD; Barton F. Branstetter, IV, MD	
6:00pm -7:30pm		TECHNICAL EXHIBITOR WELCOME RECEPTION	HALL 4A WASHINGTON STATE CONVENTION & TRADE CENTER
		ASNR 42nd Annual Meeting	Tuesday, June 8
6:30am - 7:50am		BREAKFAST	
6:50am - 7:50am		HOW-TO SESSION BREAKFAST- GE Healthcare	Ballroom 6 B/C
8:00am - 9:30am	19 CEU 1.5	TUMORS (ASP NR)	Room 606-609
		<i>Moderators: Tina Young Poussaint, MD; Gilbert Vezina, MD</i>	
8:00am - 8:30am		Pediatric Brain Tumor Imaging Protocols and Diffusion Imaging Applications - Tina Young Poussaint, MD	
8:30am - 9:00am		Usefulness of MR Spectroscopy in Pediatric Brain Tumors - Kim M. Cecil, PhD	
9:00am - 9:30am		MR Perfusion and Pediatric Brain Tumors - Soonmee Cha, MD	
8:00am - 9:30am	20 CEU 1.5	MDCT IN THE EVALUATION OF SINONASAL DISEASE (ASHNR)	Ballroom 6 B/C
		<i>Moderators: Patricia A. Hudgins, MD; H. Ric Harnsberger, MD</i>	
8:00am - 8:30am		Sinus Inflammatory Disease - Yoshimi Anzai, MD	
8:30am - 9:00am		Sinus Neoplasms - C. Douglas Phillips, MD	
9:00am - 9:30am		Developmental/Congenital Lesions - Anton N. Hasso, MD, FACR	
8:00am - 9:30am	21 CEU 1.5	ELC WORKSHOP A: POWERPOINT FOR THE NOVICE	Room 602-603
		David S. Martin, MD; John L. Go, MD	
8:00am - 12:00pm (Break 9:30am-9:40am)	22 CEU 3.75	ASNR GRANT WRITING SEMINAR: PRACTICAL TIPS ON GETTING YOUR GRANT FUNDED - PART II	Room 302
		- Janet S. Rasey, PhD	
9:30am - 10:10am		MORNING BREAK	

10:15am - 11:45am	23 CEU 1.5	PARALLEL SCIENTIFIC PAPER SESSIONS	
	Session 23a	Adult Brain: Epilepsy	Ballroom 6 B/C
	Moderators:	<i>Jacqueline A. Bello, MD; William P. Dillon, MD</i>	
	Session 23b	Head & Neck: General	Ballroom 6 A
	Moderators:	<i>Jane L. Weissman, MD; R. Nick Bryan, MD, PhD</i>	
	Session 23c	Pediatrics: General, Functional, and Vascular Imaging (ends at 11:56am) (CEU 1.75)	Room 606-609
	Moderators:	<i>A. James Barkovich, MD; Jill V. Hunter, MD</i>	
	Session 23d	Pediatrics: General and Leukoencephalopathy (end at 11:50am)	Room 611-612
	Moderators:	<i>Susan Palasis, MD; P. Ellen Grant, MD</i>	
10:15am - 11:45am	24 CEU 1.5	ELC WORKSHOP C: IMAGE MANIPULATION WITH PHOTOSHOP	Room 602-603
		Richard M. Berger, MD	
11:45am - 12:50pm		LUNCH BREAK	
11:50am - 12:50pm		HOW-TO SESSION LUNCH - GE Healthcare	Ballroom 6 B/C
11:50am - 12:50pm	25	AMERICAN SOCIETY OF PEDIATRIC NEURORADIOLOGY (ASPNR) ANNUAL BUSINESS MEETING (members only)	Room 611-612
1:00pm - 2:00pm	26 CEU 1	ELC LECTURE E: BUILDING A MULTIMEDIA CONFERENCE ROOM FROM SCRATCH	Ballroom 6 A
		Venkata Natarajan, PhD	
1:00pm - 2:30pm	27 CEU 1.5	ENT (ASPNR)	Room 606-609
		Moderators: <i>Caroline D. Robson, MB,ChB; Avrum N. Pollock, MD</i>	
	1:00pm - 1:20pm	Congenital Masses of the Head and Neck - Suresh K. Mukherji, MD	
	1:20pm - 1:40pm	MRS of the Head and Neck - Suresh K. Mukherji, MD	
	1:40pm - 2:00pm	Pediatric Head and Neck Soft Tissue Masses - Bernadette L. Koch, MD	
	2:00pm - 2:20pm	Pediatric Head and Neck Osseous Lesions - Bernadette L. Koch, MD	
	2:20pm - 2:30pm	Discussion	
1:00pm - 2:30pm	28 CEU 1.5	ADVANCED CT AND MR IMAGING OF THE SKULL BASE (ASHNR)	Ballroom 6 B/C
		Moderators: <i>Jane L. Weissman, MD; Wendy R.K. Smoker, MD, FACR</i>	
	1:00pm - 1:30pm	Anterior Skull Base Lesions - Timothy L. Larson, MD	
	1:30pm - 2:00pm	Central and Posterior Skull Base Lesions - H. Ric Harnsberger, MD	
	2:00pm - 2:30pm	Craniovertebral Junction - Wendy R.K. Smoker, MD, FACR	
1:30pm - 2:30pm	28A	NATIONAL LIBRARY OF MEDICINE: PUBMED/MEDLINE: ADVANCED TIPS AND TRICKS HANDS-ON WORKSHOP	Room 602-603
		- Linda Milgrom; Outreach Coordinator/Librarian, National Library of Medicine	
2:30pm - 2:55pm		AFTERNOON BREAK	

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3:00pm - 4:30pm	29 CEU 1.5	PARALLEL SCIENTIFIC PAPER SESSIONS	
	Session 29a	Adult Brain: Vascular Imaging (session ends 4:33pm)	Ballroom 6 B/C
	Moderators:	<i>Raymond F. Carmody, MD; John R. Hesselink, MD</i>	
	Session 29b	Adult Brain: Functional Imaging (fMRI, MSI, MRS, PET)	Ballroom 6 A
	Moderators:	<i>Michael H. Lev, MD; Brian C. Bowen, MD, PhD</i>	
	Session 29c	Adult Brain: New Techniques, Postprocessing/Trauma	Room 606-609
	Moderators:	<i>Steven G. Imbesi, MD; Aquilla S. Turk, DO</i>	
	Session 29d	Pediatrics: General	Room 611-612
	Moderators:	<i>Patrick D. Barnes, MD; Charles R. Fitz, MD</i>	
3:00pm - 4:30pm	30 CEU 1.5	ELC WORKSHOP B: POWERPOINT FOR ADVANCED USERS	Room 602-603
		H. Christian Davidson, MD; Richard H. Wiggins, III, MD	
4:40pm - 5:40pm	31 CEU 1	ELC LECTURE F: OVERVIEW OF DIGITAL CAMERAS AND CAMCORDERS	Room 606-609
		Richard M. Berger, MD; Richard H. Wiggins, III, MD	
4:40pm - 6:10pm	32 CEU 1.5	INTERESTING PEDIATRIC CASE SESSION (ASPNR)	Room 611- 612
		Moderators: <i>Charles M. Glasier, MD, Gary L. Hedlund, DO</i>	
4:40pm - 6:10pm	33 CEU 1.5	DEVELOPMENTAL LESIONS IN THE HEAD AND NECK (ASHNR)	Ballroom 6 A
		Moderators: <i>Suresh K. Mukherji, MD; Anton N. Hasso, MD, FACR</i>	
	4:40pm - 5:10pm	Congenital Malformations of the Ear - H. Christian Davidson, MD	
	5:10pm - 5:40pm	Approach to Imaging of the Globe and Orbit - Clifford J. Belden, MD	
	5:40pm - 6:10pm	Developmental Anomalies of the Neck - Robert W. Dalley, MD	
4:40pm - 6:10pm	34 CEU 1.5	ADVANCED IMAGING SEMINAR - PERFUSION, PERMEABILITY AND BEYOND	Ballroom 6 B/C
		Moderators: <i>Timothy P.L. Roberts, PhD; Howard A. Rowley, MD</i>	
	4:40pm - 5:05pm	An Overview of Perfusion Parameters - Howard A. Rowley, MD	
	5:05pm - 5:30pm	MR Imaging vs. CT Techniques - Michael H. Lev, MD	
	5:30pm - 5:55pm	Permeability Imaging - James M. Provenzale, MD	
	5:55pm -6:10pm	Reactivity and Oxygen Extraction Fraction - David J. Mikulis, MD	
5:40pm - 6:10pm	35 CEU .5	ELC ROUNDTABLE: Q & A WITH TODAY'S SPEAKERS	Room 606-609
		David S. Martin, MD; John L. Go, MD; H. Christian Davidson, MD; Richard H. Wiggins, III, MD; Venkata Natarajan, PhD; Richard M. Berger, MD	

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6:30am - 7:50am		BREAKFAST	
6:50am - 7:50am		HOW-TO SESSION BREAKFAST- Bracco Diagnostics Inc.	Ballroom 6 B/C
8:00am - 9:30am	36 CEU 1.5	PERSPECTIVES ON SUBMISSION OF GRANT APPLICATIONS	Ballroom 6 A
		Moderator: <i>James M. Provenzale, MD</i>	
	8:00am - 8:30am	Grantsmanship: The Art of Writing a Grant - Colin P. Derdeyn, MD	
	8:30am - 9:00am	The NIH Review Process - R. Nick Bryan, MD, PhD	
	9:00am - 9:30am	Research Funding Opportunities for Neuroradiologists - James M. Provenzale, MD	

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8:00am - 9:30am	37	SPECIAL SESSION: CAN THE PRESENT PRACTICE OF NEURORADIOLOGY SURVIVE? MEETING THE CHALLENGES OF MARGINALIZATION AND CHANGE.	Ballroom 6 B/C
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Moderator: Victor M. Haughton, MD

8:00am - 8:05am	Introduction
	Victor M. Haughton, MD
8:05am - 8:20am	The End of One-Time Certification
	Patricia A. Hudgins, MD
8:20am - 8:40am	The R Word?
	Robert I. Grossman, MD
8:40am - 9:00am	Reimbursement Rates for Neuroradiology Procedures
	J. Arliss Pollock, MD
9:00am - 9:30am	The Role of the ASNR in the Facilitation of the Neuroradiology Practice
	A. James Barkovich, MD

8:00am - 9:30am	38 CEU 1.5	ELC WORKSHOP D: WEBSITE CREATION FOR THE NOVICE	Room 602-603
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Richard H. Wiggins, III, MD

9:30am - 9:55am

MORNING BREAK

ASNR 42nd Annual Meeting

Wednesday, June 9

ELC: Electronic Learning Center; ASSR: American Society of Spine Radiology; ASNR: American Society of Neuroradiology General programming

10:00am - 10:15am	39	ASNR PRESIDENTIAL ADDRESS - Charles M. Strother, MD, ASNR President	Ballroom 6 B/C
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10:15am - 11:10am	40	ASNR AWARDS PRESENTATION	Ballroom 6 B/C
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10:15am - 10:30am	Presentation of Gold Medal Awards
	<i>Moderators: Charles M. Strother, MD, ASNR President Victor M. Haughton, MD, Chair, Gold Medal Awards Committee</i>
10:30am - 10:40am	Announcement of 2004 ASNR Honorary Member
	<i>Moderator: Norman E. Leeds, MD, Chair, Honorary Member Committee</i>
10:40am - 10:50am	Presentation of 2004 Cornelius G. Dyke Memorial Award
	<i>Moderators: Charles M. Strother, MD, ASNR President, Victor M. Haughton, MD, ASNR President-Elect/Program Chair</i>
10:50am - 10:55am	Announcement of 2003 Outstanding Presentation Awards
	<i>Moderator: Laurie A. Loevner, MD, Chair, Education Committee</i>
10:55am - 11:10am	Announcement of NER Foundation Award for Outstanding Contributions in Research
	<i>Moderator: A. James Barkovich, MD, Chairman NER Foundation</i>
	Announcement of 2004 NER Foundation Scholar Award in Neuroradiology Research
	Announcement of 2004 NER Foundation/Boston Scientific (formerly Target Therapeutics, Inc.) Fellowship in Cerebrovascular Disease Research
	Announcement of 2004 Berlex/NER Foundation Fellowship in Basic Science Research Awards
	<i>Moderator: James M. Provenzale, MD, Chair, Research Committee</i>

11:10am - 11:15am	41	ANNOUNCEMENT OF SYMPOSIUM NEURORADIOLOGICUM (SNR) XVIII/WORLD FEDRATION OF NEURORADIOLOGICAL SOCIETIES (WFNRS) - Michael S. Huckman, MD	Ballroom 6 B/C
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11:15am - 11:45am	42	AMERICAN SOCIETY OF NEURORADIOLOGY (ASNR) ANNUAL BUSINESS MEETING <i>(Members only)</i>	Ballroom 6 B/C
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11:40am - 12:50pm **LUNCH BREAK**

11:50am - 12:50pm	HOW-TO SESSION LUNCH- Siemens Medical Systems, Inc.	Ballroom 6 B/C
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1:00pm - 2:30pm	43 CEU 1.5	NEW IMAGING TECHNIQUES IN SPINE (ASSR)	Ballroom 6 B/C
		<i>Moderators: Gordon K. Sze, MD; Brian C. Bowen, MD, PhD</i>	
	1:00pm - 1:20pm	New Imaging Techniques in Conventional MRI - Lawrence N. Tanenbaum, MD	
	1:20pm - 1:40pm	Diffusion Imaging in the Spine - Gordon K. Sze, MD	
	1:40pm - 2:00pm	Functional MR Imaging in the Spine - Patrick W. Stroman, PhD	
	2:00pm - 2:20pm	Magnetization Transfer in the Spine - Massimo Filippi, MD	
	2:20pm - 2:30pm	ASSR 2004 Mentor Award: Prospective Analysis of Clinical Outcomes After Percutaneous Vertebroplasty for Painful Osteoporotic Vertebral Body Fractures - Huy M. Do, MD	
1:00pm - 2:30pm	43A CEU 1.5	NEURONEWS: DEVELOPING RESEARCH AND EMERGING TRENDS	Ballroom 6 A
		<i>Moderator: Victor M. Haughton, MD</i>	
1:30pm - 2:30pm	43B	NATIONAL LIBRARY OF MEDICINE: PUBMED/MEDLINE: ADVANCED TIPS AND TRICKS HANDS-ON WORKSHOP	Room 602-603
		- Linda Milgrom; Outreach Coordinator/Librarian, National Library of Medicine	
2:30pm - 2:55pm		AFTERNOON BREAK	
3:00pm - 4:30pm	44 CEU 1.5	PARALLEL SCIENTIFIC PAPER SESSIONS	
	Session 44a	Adult Brain: Vascular Imaging in Tumor and Ischemia <i>Moderators: Colin P. Derdeyn, MD; Timothy P.L. Roberts, PhD</i>	Ballroom 6 B/C
	Session 44b	Spine: Spinal Injections/Vertebroplasty <i>Moderators: Wade H.M. Wong, DO; Alyssa T. Watanabe, MD</i>	Ballroom 6 A
	Session 44c	Adult Brain: Functional Imaging (fMRI, MSI, MRS, PET) <i>Moderators: Thomas A. Kim, MD; Jeffrey L. Sunshine, MD, PhD</i>	Room 606-609
	Session 44d	Spine: Trauma and Intervention <i>Moderators: Anil Khosla, MD; Robert M. Quencer, MD</i>	Room 611-612
3:00pm - 4:30pm	45 CEU 1.5	ELC WORKSHOP C: IMAGE MANIPULATION WITH PHOTOSHOP	Room 602-603
		Richard M. Berger, MD	
4:40pm - 5:10pm	46 CEU .5	ELC LECTURE G: CAPTURING AND USING IMAGE FILES	Room 606-609
		Richard H. Wiggins, III, MD	
4:40pm - 6:10pm	47 CEU 1.5	SPINAL VASCULAR IMAGING (ASSR)	Ballroom 6 A
		<i>Moderators: Brian C. Bowen, MD, PhD; Gregg H. Zoarski, MD</i>	
	4:40pm - 5:00pm	Overview of Vascular Neuroanatomy of the Spine - F. Reed Murtagh, MD	
	5:00pm - 5:20pm	Contrast-Enhanced MR Angiography of Spinal Vessels and Vascular Disease - Spyros Kollias, MD	
	5:20pm - 5:40pm	Elliptic-Centric MR Angiography of Spinal Vascular Lesions - Richard I. Farb, MD, FRCPC	
	5:40pm - 6:00pm	3D DSA and the Endovascular Approach to Spinal Vascular Disease - Ajay K. Wakhloo, MD, PhD	
	6:00pm - 6:10pm	Discussion	

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4:40pm - 6:10pm	48 CEU 1.5	ADVANCED IMAGING SEMINAR - ADVANCED MR AND MR SPECTROSCOPY <i>Moderators: Timothy P.L. Roberts, PhD; Howard A. Rowley, MD</i>	Ballroom 6 B/C
4:40pm - 5:05pm		An Overview of High vs Low Field Imaging - Timothy P.L. Roberts, PhD	
5:05pm - 5:30pm		Basics MR Spectroscopy and Clinical Applications - Jill V. Hunter, MD	
5:30pm - 5:55pm		Parallel Imaging in Neuroradiology - Christiane Kuhl, PhD	
5:55pm - 6:10pm		Advanced MRSI Techniques - Ulrike Dydak, PhD	
5:10pm - 5:40pm	49 CEU .5	ELC LECTURE H: SYNOPSIS OF SCANNERS: FILM, FLATBED, AND SLIDES Hervey D. Segall, MD; Gary M. Miller, MD	Room 606-609
5:40pm - 6:10pm	50 CEU .5	ELC ROUNDTABLE: Q & A WITH TODAY'S SPEAKERS Richard M. Berger, MD; Richard H. Wiggins, III, MD; Hervey D. Segall, MD; Gary M. Miller, MD	Room 606-609
6:00pm - 7:30pm		RECEPTION - "PIKE PLACE MARKET"	Hall 4A - Washington State Convention & Trade Center

ASNR 42nd Annual Meeting

Thursday, June 10

ELC: Electronic Learning Center; **ASITN:** American Society of Interventional and Therapeutic Neuroradiology **ASSR:** American Society of Spine Radiology

6:30am - 7:50am		BREAKFAST	
6:50am - 7:50am		HOW-TO SESSION BREAKFAST-Siemens Medical Systems, Inc.	Ballroom 6 B/C
8:00am - 9:30am	51 CEU 1.5	MULTIDETECTOR CT FOR SPINE IMAGING (ASSR) <i>Moderators: Jeffrey A. Stone, MD; Deepak Takhtani, MD</i>	Ballroom 6 A
8:00am - 8:20am		Post Processing and 3D Rendering for Trauma - Diego B. Nunez, Jr., MD, MPH	
8:20am - 8:40am		CT Screening for Cervical Spine Trauma - C. Craig Blackmore, MD, MHS	
8:40am - 9:00am		Degenerative Spine Disease Applications - Jeffrey A. Stone, MD	
9:00am - 9:20am		Multislice Physics and Radiation Safety - James M. Kofler, Jr., PhD	
9:20am - 9:30am		Q & A Session	
8:00am - 9:30am	52 CEU 1.5	SPINAL VASCULAR INTERVENTIONS (ASITN) <i>Moderators: Jacques E. Dion, MD; Philip M. Meyers, MD</i>	Ballroom 6 B/C
8:00am - 8:30am		Imaging - Kieran P.J. Murphy, MD	
8:30am - 9:00am		Pathophysiology - Jacques E. Dion, MD	
9:00am - 9:30am		Treatment - Chistopher F. Dowd, MD	
8:00am - 9:30am	53 CEU 1.5	ELC WORKSHOP D: WEBSITE CREATION FOR THE NOVICE Richard H. Wiggins, III, MD	Room 602-603
9:30am - 10:10am		MORNING BREAK	

10:15am - 11:45am	54 CEU 1.5	PARALLEL SCIENTIFIC PAPER SESSIONS	
	Session 54a	Spine: Degenerative Disk Disease and Biomechanics	Ballroom 6 B/C
	<i>Moderators:</i>	<i>Alan L. Williams, MD, FACR, MBA;</i> <i>Johan W.M. Van Goethem, MD, PhD</i>	
	Session 54b	Interventional: New Devices (ends at 11:55am) (CEU 1:75)	Ballroom 6 A
	<i>Moderators:</i>	<i>Joseph M. Eskridge, MD; Gary R. Duckwiler, MD</i>	
	Session 54c	Adult Brain: Neoplasms	Room 606-609
	<i>Moderators:</i>	<i>Danielle Baleriaux, MD; Bruce A. Wasserman, MD</i>	
	Session 54d	Spine: General, Spinal Cord	Room 611-612
	<i>Moderators:</i>	<i>M. Judith Donovan Post, MD; Wendy A. Cohen, MD</i>	
10:15am - 11:45am	55 CEU 1.5	ELC WORKSHOP E: WEBSITE CREATION FOR ADVANCED USERS	Room 602-603
		Dale A. Charletta, MD	
11:45am - 12:50pm		LUNCH BREAK	
11:50am - 12:50pm		HOW-TO SESSION LUNCH- GE Healthcare	Ballroom 6 B/C
11:50am - 12:50pm	56	AMERICAN SOCIETY OF SPINE RADIOLOGY (ASSR) ANNUAL BUSINESS MEETING (members only)	Room 611-612
1:00pm - 2:30pm	57 CEU 1.5	DYNAMIC AND UPRIGHT MRI/SCIENCE (ASSR)	Ballroom 6 A
		<i>Moderators: Michael I. Rothman, MD; Bruce A. Wasserman, MD</i>	
	1:00pm - 1:20pm	Spinal Instability - Luigi Manfre, MD	
	1:20pm - 1:40pm	Dynamic Imaging of the Posterior Elements - J. Randy Jenkins, MD, FACR, FEC	
	1:40pm - 2:00pm	Normal and Abnormal Disks - Jeffrey Silber, MD	
	2:00pm - 2:15pm	Dynamic Disk Pressure Measurements - Kurt P. Schellhas, MD	
	2:15pm - 2:30pm	Dynamic Vertebral Body Mechanics - Stephen M. Belkoff, MD	
1:00pm - 2:30pm	58 CEU 1.5	ATHEROSCLEROSIS (ASITN)	Ballroom 6 B/C
		<i>Moderators: Gary M. Nesbit, MD; Kieran P.J. Murphy, MD</i>	
	1:00pm - 1:30pm	Patient Selection - Colin P. Derdeyn, MD	
	1:30pm - 2:00pm	Intracranial Angioplasty/Stenting - Joan C. Wojak, MD	
	2:00pm - 2:30pm	Cervical Carotid Disease - John J. Connors, III, MD	
1:00pm - 2:00pm	59 CEU 1	ELC LECTURE J: ADVANCED IMAGING PROCESSING IN MRI	Room 606-609
		Todd B. Parrish, PhD	
2:00pm - 2:30pm	59A	NATIONAL LIBRARY OF MEDICINE: PUBMED/MEDLINE SHORT DEMONSTRATION LECTURE	Room 611-612
		- Linda Milgrom; Outreach Coordinator/Librarian, National Library of Medicine	
2:30pm - 2:55pm		AFTERNOON BREAK	
3:00pm - 4:30pm	60 CEU 1.5	PARALLEL SCIENTIFIC PAPER SESSIONS	
	Session 60a	Adult Brain: General	Ballroom 6 B/C
	<i>Moderators:</i>	<i>Dennis Shibata, MD; Erin M. Simon, MD, OTR</i>	
	Session 60b	Interventional: Aneurysms	Ballroom 6 A
	<i>Moderators:</i>	<i>John J. Connors, III, MD; John C. Chaloupka, MD</i>	
	Session 60c	Adult Brain: General and Diffusion Imaging	Room 606-609
	<i>Moderators:</i>	<i>Danial Hallam, MD; William G. Bradley, MD, PhD, FACR</i>	
	Session 60d	Adult Brain: General and 3.0T	Room 611-612
	<i>Moderators:</i>	<i>Norman J. Beauchamp, Jr, MD, MHS, Suresh C. Patel, MD</i>	

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4:40pm - 5:40pm	61 CEU 1.00	ELC LECTURE I: DIGITAL TEACHING FILES: AN OVERVIEW OF TECHNIQUES	Room 606-609
		Gregory L. Katzman, MD	
4:40pm - 6:10pm	62 CEU 1.5	ANEURYSMS (ASITN)	Ballroom 6 B/C
		<i>Moderators: Timothy W. Malisch, MD; Donald W. Larsen, MD</i>	
4:40pm - 5:10pm		New Devices/Treatments - John D. Barr, MD	
5:10pm - 5:40pm		Hemodynamics - Ajay K. Wakhloo, MD, PhD	
5:40pm - 6:10pm		Biological Treatment - Yuichi Murayama, MD	
4:40pm - 6:10pm	63 CEU 1.5	ADVANCED IMAGING SEMINAR - FUNCTIONAL MAPPING	Ballroom 6 A
		<i>Moderators: Timothy P.L. Roberts, PhD; Howard A. Rowley, MD</i>	
4:40pm - 5:05pm		fMRI Basics - Jonathan H. Burdette, MD	
5:05pm - 5:30pm		fMRI Clinical Applications - Andrei I. Holodny, MD	
5:30pm - 5:55pm		MEG and MSI "From Squiggles to Surgery" - Steven M. Stufflebeam, MD	
5:55pm - 6:10pm		fMRI Analysis Techniques - James J. Pekar, PhD	
5:40pm - 6:10pm	64 CEU .5	ELC ROUNDTABLE: Q & A WITH TODAY'S SPEAKERS	Room 606-609
		Richard H. Wiggins, III, MD; Dale A. Charletta, MD; Gregory L. Katzman, MD; Todd B. Parrish, PhD	
6:15pm - 7:15pm		HOW-TO SESSION RECEPTION- MicroVenton, Inc.	Ballroom 6 B/C
		ASNR 42nd Annual Meeting	Friday, June 11
6:30am - 7:50am		BREAKFAST	
6:50am - 7:50am		HOW-TO SESSION BREAKFAST- Boston Scientific	Ballroom 6 B/C
		ASNR 42nd Annual Meeting	Friday, June 11
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8:00am - 9:30am	65 CEU 1.5	PARALLEL SCIENTIFIC PAPER SESSIONS	
Session 65a		Interventional: Aneurysms (session ends 9:41am) (CEU 1.75)	Ballroom 6 B/C
<i>Moderators:</i>		<i>Charles M. Strother, MD; Fernando Vinuela, MD</i>	
Session 65b		Adult Brain: Functional Imaging (fMRI, MSI, MRS, PET) (session ends 9:36am)	Ballroom 6 A
<i>Moderators:</i>		<i>Andrei I. Holodny, MD; Cesare Colosimo, MD</i>	
Session 65c		Interventional: General (session ends 9:36am)	Room 606-609
<i>Moderators:</i>		<i>Jacques E. Dion, MD; Glen K. Geremia, MD</i>	
Session 65d		Adult Brain: Vascular Imaging	Room 611-612
<i>Moderators:</i>		<i>Kaite Dieu-Thu Vo, MD; John L. Go, MD</i>	
9:30am - 9:55am		MORNING BREAK	
10:00am - 10:30am	66	OPEN FORUM WITH THE ELC CHAIR: WHAT WOULD YOU LIKE FOR THE 2005 ELC?	Ballroom 6 A
		Gregory L. Katzman, MD	

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10:00am - 11:30am	67 CEU 1.5	STROKE (ASITN)	Ballroom 6 B/C
		<i>Moderators: <u>John C. Chaloupka, MD</u>; <u>Jeffrey A. Sunshine, MD; PhD</u></i>	
	10:00am - 10:30am	Devices Update - Gary R. Duckwiler, MD	
	10:30am - 11:00am	Current Imaging of Stroke - J. Pablo Villablanca, MD	
	11:00am - 11:30am	Thrombolysis Update - Thomas A. Tomsick, MD	
10:30am - 11:00am	67A	NATIONAL LIBRARY OF MEDICINE: MEDLINEplus SHORT DEMONSTRATION LECTURE	Room 611-612
		- Gail Kouame; Consumer Health Coordinator, National Library of Medicine	
11:30am-11:45am		CLOSING REMARKS - Victor M. Haughton, MD, ASNR President	Ballroom 6 B/C
12:00pm-1:30pm		AMERICAN SOCIETY OF INTERVENTIONAL AND THERAPEUTIC NEURORADIOLOGY (ASITN) ANNUAL BUSINESS MEETING (members only)	Sheraton Seattle Hotel and Towers Location: TBD