



# THE AMERICAN SOCIETY OF NEUROIMAGING

## 1977-2002

### 25th Anniversary

#### MISSION STATEMENT

The American Society of Neuroimaging (ASN) is an international, professional organization representing neurologists, neurosurgeons, neuroradiologists and other neuroscientists who are dedicated to the advancement of techniques used to evaluate the nervous system.

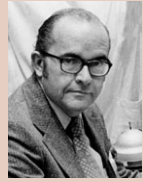
Its purpose is to promote the highest standards of neuroimaging in clinical practice, thereby furthering ongoing improvement in the delivery of medical care.

#### A Word from the President ...

John B. Chawluk, MD



My most memorable experience involving the ASN (among many memorable events), was receiving the Oldendorf Award in 1986. I had submitted my research for the 1985 award, during my first year of fellowship training, but didn't win! (The 1985 meeting was held at the Innisbrook Resort in Florida. As program chair 15 years later, I was able to schedule another meeting in Innisbrook, availing myself of a suitable consolation prize!) Undaunted, I continued my studies of anatomic and metabolic imaging in brain aging, and was invited to present my findings in Clearwater Beach at the 10th Annual ASN Meeting. The day before my presentation, I was strolling the resort grounds and recognized Jack Greenberg on the tennis court. I lingered to watch, and after Greenberg annihilated the opposition with aggressive net play, I realized I wanted to be on his side of the net in any future battles! Larry Jacobs presented the award and invited me to lunch afterward, where I met Dr. Oldendorf for the first time. Jack Greenberg and Leon Prockop were also there, but I could tell that Oldendorf was the cleverest person at the table, since he was the only one who did not offer me a job that afternoon! I was extremely impressed by the quality of the educational offerings at that meeting (particularly the pioneering clinical MRI work demonstrated by Dr. Kinkel and colleagues). Despite being awestruck in the presence of these neuroimaging giants, I also felt a sense of comfort and belonging, and knew that they were to be lifelong mentors, colleagues and friends.



William H. Oldendorf, MD  
1978-1979



William R. Kinkel, MD  
1980-1981



Jack O. Greenberg, MD  
1982-1984



William H. Stuart, MD  
1985



Lawrence D. Jacobs, MD  
1986-1988



Leon D. Prockop, MD  
1988-1990



William M. McKinney, MD  
1990-1992



James F. Toole, MD  
1992-1994



Joseph C. Masdeu, MD, PhD  
1994-1996



John C. Mazziotta, MD, PhD  
1996-1998



Ilydio Polachini, MD  
1998-1999



Charles H. Tegeler, MD  
1999-2001

#### McKinney Award Winners

YEAR	RECIPIENT	INSTITUTION	MANUSCRIPT TITLE
1987	Lawrence N. Brass	Neurological Institute, Columbia University	Transcranial doppler measurements of the middle cerebral artery: the effects of hemostasis
1988	John Livingston, MD	Medical College of Georgia	Transcranial doppler in management of neonatal hydrocephalus
1989	Paul Franke, MD	Medical College of Georgia	The application of transcranial doppler to measure intracranial pressure
1990	Philip C. Nemanens	Children's Medical Center	Effect of psychophysiological stimuli on middle cerebral artery flow velocity: a transcranial doppler study
1991	Claudia Hare, MD	University of Heidelberg, Germany	Cerebrovascular CO <sub>2</sub> reactivity in migraine assessed by transcranial doppler
1992	Georg Becker, MD	Neurologische Universitätsklinik, Würzburg, Germany	Differentiation between ischemic and hemorrhagic stroke by transcranial color-coded real-time sonography
1993	Tan N. Pihani, MD	Wake Forest University School of Medicine, NC	Anatomic and pathophysiologic basis for clinical studies in cerebral vein thromboses
1994	Katherine Hejblum, MD	Oslo, Norway	Doppler and color flow studies of the internal carotid and middle cerebral arteries after contrast enhancement
1995	Volker Knappertz, MD	Wake Forest University School of Medicine, NC	Clinical cerebrovascular applications of lateral ultrasound volume flow rate estimates
1997	Antonio Alayon, MD	Wake Forest University School of Medicine, NC	Carotid artery wall motion correlates with carotid sinus hypersensitivity
1999	Salmán Azhar, MD	Mt. Sinai Medical Center, New York	Noninvasive imaging of the aortic arch with B-mode ultrasonography: complements of the evaluation of the carotid artery in stroke patients
1998	Dhara Katanakom, MD	Wake Forest University School of Medicine, NC	A new dynamic method to detect internal jugular valve incompetence using axial contrast study
1999	Andrew M. Demchuk, MD	University of Texas Health Science Center - Houston	The accuracy and differential diagnosis of carotid occlusion with transcranial doppler
2000	Ioannis Christou, MD	University of Texas Health Science Center - Houston	Tuning of revascularization after TPA therapy determined by transcranial doppler correlates with clinical recovery from ischemic stroke
2001	Li-Ming Lien, MD	Wake Forest University School of Medicine	Comparison of transcranial color-coded and magnetic resonance angiography in acute ischemic stroke
2002	Lise Labiche, MD	University of Texas Health Science Center - Houston	Residual flow signals predict complete arterial recanalization in stroke patients treated with intravenous TPA

#### Oldendorf Award Winners

YEAR	RECIPIENT	INSTITUTION	MANUSCRIPT TITLE
1981	John Mazzotta, MD	ULCA	The metabolic response of the human brain at rest, during visual stimulation and deprivation demonstrated with positron CT
1982	Stephen Lee, MD	ULCA	Subcortical encephalopathy as imaged by CT and NMR
1984	Ilydio Polachini, MD	Dent Neurological Institute	Stereotaxic biopsy of brainstem lesions
1985	Robert Coffey, MD	University of Florida	Metabolic studies on aging & dementia by positron emission tomography: the effect of cerebral atrophy
1986	John Chawluk, MD	University of Pennsylvania	Spectroscopy utilizing MRI
1987	Claudia Kirsch	ULCA	Fluoride-NMR imaging of the brain
1988	Amiratz Katz, MD	Yale University School of Medicine	Outcomes of temporal lobectomy and extent of resection: a new quantitative approach applying post-operative MRI
1990	Scott T. Gratton, MD	ULCA	A comparison of neurologic, metabolic, structural and genetic evaluations in persons at risk for Huntington's disease
1992	Walter Kozsuhuk, MD	NINCDS/NIH	Magnetic resonance imaging of the brain at 4.0 Tesla
1993	Andreas Alexandros, MD	University of Toronto	Clinical value of SPECT in stroke
1994	Rohit Bakshi, MD	Dent Neurological Institute	P2-118-18-2-threo-D-glucose positron emission tomography shows global cerebral hypometabolism in multiple sclerosis
1996	Saadat Kamran, MD	Dent Neurological Institute	Hypertensive vessel sign (HVS) on MRI: significance and utility in the diagnosis and management of acute stroke
1998	B. Malton, MD	University of Alabama	Reproducibility of 18-MARS measurements of normal human hippocampus at 1.5T: clinical implications
2001	David Moore, MD, PhD	National Institutes of Health	Selective arterial distribution of cerebral hypoperfusion in early disease
2002	Tucker Jovim, MD	Presbyterian University Hospital, Pittsburgh, PA	The ischemic core and not the consistently present penumbra is a major determinant of outcome in acute MCA occlusion

#### 1977

- First meeting of new Society held in Hilton Head, South Carolina
- Executive Office located in Atlanta
- The Society was not restricted to neurologists - First Executive Committee included neuroanatomists and neurosurgeons - During this meeting, the main focus was on computerized tomography; however, the Society emphasized importance of educational courses and seminars which would provide members with cutting edge technology to better care for their patients
- Echo planar imaging

#### 1978

- President: William H. Oldendorf (1978-1979)
- Annual meeting held in Hilton Head, South Carolina
- During second annual meeting of the Society for Computerized Tomography and Neuroimaging (SCTNI), the first examination by a national organization in the field of neuroimaging was given - Organized by Dr. William Kinkel, 100 physicians took the exam
- Neuroimaging voted in by Board to be a part of the Society
- Number of CT scanners in the United States up to about 800

#### 1979

- Annual meeting held in Ponte Vedra, Florida
- Professor Skoloff was invited to speak at annual meeting in Jacksonville, Florida
- Positron Emission Tomography (PET) Functional imaging of brain blood flow was also represented by Professor Niels Lassen
- Noninvasive cerebrovascular ultrasound examination
- Allan McLeod Cormack and Godfrey Newbold Hounsfield, developers of CT scanning, awarded the Nobel Prize
- Organizational meeting of the Ladies Auxiliary
- Real-time carotid ultrasound

#### 1980

- President: William R. Kinkel (1980-1981)
- Annual meeting held in Dorado, Puerto Rico
- During the Society's annual meeting in Puerto Rico, members were introduced to Nuclear Magnetic Resonance (NMR), later known as Magnetic Resonance Imaging (MRI)
- The Society's Executive Office was moved from Atlanta to Dent Neurological Institute in Buffalo, NY
- Single photon emission computed tomography (SPECT) first reported

#### 1981

- Annual meeting held in Dorado, Puerto Rico
- The Society's name changed to American Society of Neuroimaging (ASN)
- First William H. Oldendorf Essay Award was presented to John C. Mazziotta for his work with PET
- Dr. Martin Reivich was guest speaker at annual meeting
- Austrian Society of Neuroimaging was born in Vienna - Dr. William Kinkel represented American Society of Neuroimaging at this important event
- Number of CT scanners in the United States up to about 800

#### 1982

- President: Jack O. Greenberg, MD
- ICD ultrasonography

#### 1983

- Annual meeting held in Scottsdale, Arizona
- During seventh annual meeting, the Society's new name, American Society of Neuroimaging, was first used
- Magnetization transfer - First human studies
- Death of Felix Bloch, a developer of magnetic resonance imaging

#### 1984

- Annual meeting held in Boca Raton, Florida
- First certification examination in Neuroimaging was given
- Magnetic resonance imaging became commercially available

#### 1985

- President: William H. Stuart, MD (1985)
- Annual meeting held in Innsbruck, Florida
- Society continued interest in clinical applications of positron emission tomography (PET)
- SPECT was clinically used (mid-1980's)

#### 1986

- President: Lawrence D. Jacobs (1986-1988)
- Annual meeting held in Clearwater Beach, Florida
- The William M. McKinney Research Award in Neuroimaging was established
- Ultraslab liquid-coated microbubbles - First animal studies
- Fast spin-echo pulse sequences - First human study

#### 1987

- Annual meeting held in Tampa, Florida
- First concurrent meeting with Stroke Society was held - Guests included: Niels Lassen, John Sterling Meyer, Abbas Alavi and Vladimir Hachinski - Professor Lassen discussed use of SPECT in the imaging of stroke
- Lawrence N. Brass, MD was first recipient of McKinney Research Award
- Executive Office relocated to Minneapolis, Minnesota
- Organizational meeting of the Ladies Auxiliary
- Magnetic resonance angiography

#### 1988

- President: Leon D. Prockop (1988-1990)
- Annual meeting held in Tampa, Florida
- Dr. William Kinkel organized first certification exam in MRI

#### 1989

- Annual meeting held in Orlando, Florida
- Professor Helmut Lechner of Graz, Austria, sponsored joint meeting of Southeast European Society for Neurology and Psychiatry in Salzburg, Austria
- SPECT was introduced at 10th annual meeting
- Proton spectroscopy
- Multimodality imaging

#### 1990

- President: William M. McKinney (1990-1992)
- Annual meeting held in San Diego, California
- A second joint meeting between ASN and Southeast European Society for Neurology and Psychiatry was held in Venice, Italy
- The Journal of Neuroimaging was founded as the official journal of American Society of Neuroimaging and also serves as the official journal of the Neuroimaging Research Group of the World Federation of Neurology
- Biomagnetic imaging

#### 1991

- Annual meeting held in Orlando, Florida
- A third joint meeting was held between ASN and Southeast European Society for Neurology and Psychiatry in Salzburg, Austria

#### 1992

- President: James F. Toole (1992-1994)
- Annual meeting held in San Francisco, California
- ASN and Southeast European Society for Neurology and Psychiatry recognized as an official member and established seats in the House of Delegates
- Diffusion-weighted MRI applied clinically
- Death of William H. Oldendorf, pioneer of CT scanning and leader in neuroimaging field

#### 1993

- Annual meeting held in Orlando, Florida
- American Society of Neuroimaging was admitted to the Specialty and Service Society of the American Medical Association
- 20th anniversary of installation of first CT scanner in North America

#### 1994

- President: Joseph C. Masdeu (1994-1996)
- Annual meeting held in Beverly Hills, California
- 99m Technetium ECD introduced for study of seizures by SPECT

#### 1995

- Annual meeting held in San Juan, Puerto Rico
- Linda J. Wilkerson became Executive Director
- Power Doppler ultrasound
- Brain disease deaths down 37% from 1979, according to CDC

#### 1996

- President: John C. Mazziotta (1996-1998)
- Annual meeting held in Oakland, California
- American Medical Association recognizing American Society of Neuroimaging as an official member and established seats in the House of Delegates
- Triple-head or ring units introduced for SPECT

#### 1997

- Annual meeting held in San Juan, Puerto Rico
- Society has rapidly grown from original thirty members to organization of nearly seven hundred members
- ASN is proud to celebrate its 20th anniversary
- First established Neuroimaging Society
- First physician examinations for CT, MR, and Neuroimaging
- Multidisciplinary approach
- Journal of Neuroimaging
- Newletter
- Awards for outstanding research
- Annual meetings
- AMA membership with a seat in the House of Delegates
- Major influence in: medical care, training, establishment of standards, examinations, reimbursement, medical-legal issues
- Executive office management

#### 1998

- Annual meeting held in Orlando, Florida
- ASN begins program of visiting seminars in MRI
- Certification examinations computerized and offered using internet technology
- American Board of Neuroimaging incorporated

#### 1999

- Annual meeting held in Scottsdale, Arizona
- Merrill Spencer Intracranial Hemodynamics Symposium added to program
- Transcranial Doppler Ultrasonography (TAS) 2000 published in Journal of Neuroimaging
- Update 2000 published in Journal of Neuroimaging
- 2000:10:101-115)
- Dr. Lawrence Wechsler became editor of the Journal of Neuroimaging

#### 2000

- Annual meeting held in San Juan, Puerto Rico
- AAAN Neuroimaging Section develops curriculum for neurology trainees to learn the performance and interpretation of neuroimaging studies
- ASN participates in Vascular Coalition to address legislative/regulatory issues

#### 2001

- Annual meeting held at the Hyatt Regency Lake Las Vegas Resort
- Initial Proctor Lectureship: Jack O. Greenberg, MD
- Death of ASN founding member and past president, Lawrence Jacobs, MD
- ASN website initiated
- MD, webmaster
- Super Science Press assumes publication of the Journal of Neuroimaging
- ASN Foundation created to foster philanthropy and support of educational archives

#### 2002

- Annual meeting held at the Westin Innisbrook Resort in Tampa, Florida
- Death of ASN past president Ilydio Polachini, MD