

Curriculum Vitae

PART I: General Information

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Name: Arthur L. Day, M.D.
Professor and Vice Chairman
Department of Neurosurgery

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Home Address: 6400 Fannin, Suite 2800
Houston, Texas 77030

Place of Birth: Boston, Massachusetts

Education:

1968 Louisiana Technical University, Ruston, LA
1972 M.D. Louisiana State University, New Orleans, LA

Postdoctoral Training:

Internships and Residencies:

1972-1973 Surgical Intern, Carraway Methodist Hospital, Birmingham, AL
1973-1977 Neurological Surgery Resident, University of Florida, Gainesville, FL

Research Fellowships:

1977-1978 Neuropathology Fellow, Brain Tumor Immunology, University of Florida, Gainesville, FL

Licensure and Certification:

1972 Louisiana License
1977 Florida License #29386
2002 Massachusetts License #214475
2010 Texas License

Academic Appointments:

1977-1978	Instructor in Neurosurgery, University of Florida
1978-1983	Assistant Professor of Surgery/Neurosurgery, University of Florida
1983-1988	Associate Professor of Neurological Surgery, University of Florida
1988-2002	Professor of Neurological Surgery, University of Florida
1990-2002	James and Newton Eblen Eminent Scholar in Cerebrovascular Surgery, University of Florida
1998-2002	Co-Chairman and Program Director, Department of Neurological Surgery, University of Florida
2002-2010	Professor of Surgery (Neurosurgery), Harvard Medical School
2002 – 2007	Vice-Chairman and Program Director, Department of Neurological Surgery, Brigham and Women's/Children's Hospitals Boston
2007 – 2010	Chairman and Program Director, Department of Neurological Surgery, Brigham and Women's/Children's Hospitals Boston
2010-present	Professor of Surgery (Neurosurgery), University of Texas Health Science Center at Houston
2010-present	Vice-Chairman, Department of Neurosurgery, University of Texas Health Science Center at Houston

Hospital Responsibilities and Major Visiting Appointments:

1978-2002	Attending Staff, Neurological Service, Shands Teaching Hospital, University of Florida
1978-2002	Consultant, Neurological Surgery, Gainesville VA Hospital, Gainesville, FL
1978-2002	Faculty Advisor, College of Medicine, University of Florida
1979-2002	Consultant, Neurosurgery, Athletic Department, University of Florida
1980-1988	Physician Advisor, Alachua County Emergency Medical Services, Alachua County Commission
1998-2002	Co-Chairman and Program Director, Department of Neurosurgery, University of Florida
2002 - 2007	Associate Chairman, Department of Neurosurgery, Brigham & Women's Hospital
2002 – 2010	Director - Cerebrovascular Center, Brigham and Women's Hospital
2002 – 2010	Director – Neurologic Sports Injury Center, Brigham and Women's Hospital
2006 – 2010	Associate Surgeon, St. Elizabeth's Medical Center of Boston
2002 – 2009	Program Director, Department of Neurosurgery, Brigham & Women's Hospital/Children's Hospital Boston
2007- 2010	Chairman, Department of Neurosurgery, Brigham and Women's Hospital/Children's Hospital Boston
2008-present	Research Consultant, Codman

Major Committee Assignments:

1980-1989	Surgical Intensive Care Committee, University of Florida
1982-1994	Faculty Senate, University of Florida College of Medicine
1989	Dean's Search Committee Member, University of Florida College of Medicine
1990-1993	Medical School Admissions Committee Member, University of Florida COM
1991-1994	Official AMA medical Schools Representative, University of Florida

Major Committee Assignments (*continued*)

1993	Pathology Search Committee Member, University of Florida College of Medicine
1995-2002	University of Florida Brain Institute Committee Member, University of Florida
1995-2002	Managed Care Committee, Physician Advisor, University of Florida
1995-1998	Budget and Finance Committee Member, University of Florida
1998	Neuro-Ophthalmology Search Committee Member, University of Florida College of Medicine
1998 -- 2002	Institutional Committee on Graduate Medical Education, University of Florida
2002 – 2007	Managed Care Committee, Brigham and Women’s Physician Organization
2002 – 2009	Executive Committee, Brigham and Women’s Physician Organization
2005 – 2009	Board of Trustees, Brigham and Women’s Hospital
2007 – 2009	Care Improvement Council, Brigham and Women’s Hospital
2007 – 2009	Chiefs Council, Brigham and Women’s Hospital
2008 – 2010	Neuroscience Working Group, Brigham and Women’s Hospital
2009 – 2010	Brigham and Women’s Hospital Pay for Performance Task Force
2009 – 2010	BWH First Case on Time Subcommittee
2010 – present	Consultant: National Football League Players Association

Memberships, Offices, and Committee Assignments in Professional Societies

1978-2002	<u>Alachua County Medical Society</u>
1982-1983	Program Chairman
1984-1986	Treasurer
1986-1987	Vice President
1988-1993	Chairman, WE CARE Committee
1989-	President
1979-present	<u>American Association of Neurological Surgeons</u>
1980	<u>Joint Section of Cerebrovascular Surgery</u>
1983-1993	Executive Committee
1984-1986	Editor, Newsletter
1985-1987	Secretary/Treasurer
1988-1989	Chairman
1990	<u>Joint Section of Neurotrauma and Critical Care</u>
1990-1996	Executive Council Member, Sports Medicine
1985-1990	<u>Sports Medicine Section</u>
1989-1990	Chairman
1988-1993	<u>Task Force for Neuroradiology</u>
1990	<u>Neurosurgical Expert Consultant, Randy Study in Carotid Endarterectomy</u>
1993-1999	<u>Washington Committee</u>
1996-1998	Chairman
1989-1993	<u>Scientific Program Committee</u>
1992-1993	Chairman
1993-1994	<u>Annual Meeting Chairman</u>
1996-1999	<u>Board of Directors, At-Large Member</u>
2001-2004	<u>Treasurer</u>
2006-2007	<u>Vice President</u>

Memberships, Offices, and Committee Assignments in Professional Societies (*continued*)

1981-present	<u>American College of Surgeons</u>
1984	<u>Young Surgeons Council</u>
1995-1998	<u>Vascular Surgery Advisory Council</u>
1995-1996	<u>Governor</u>
1979 - present	<u>American Heart Association</u>
1979	<u>Alachua County Heart Association</u>
1982-1985	President
1980	<u>Florida Stroke Council</u>
1985-1986	Chairman
1982	<u>National Stroke Council Fellow</u>
1994-1995	Membership/Credentials Committee
1993-1994	<u>AHA Consensus Conference on Carotid Endarterectomy</u>
1978 - present	<u>Congress of Neurological Surgeons</u>
1981-1982	<u>Sergeant-at-Arms Committee</u>
1982	<u>Host Committee Member</u>
1979-1980	<u>Registration Committee</u>
1983	Chairman
1984-1986	<u>Resident Committee Chairman</u>
1986	<u>Scientific Program Chairman</u>
1987	<u>Annual Meeting Chairman</u>
1987-1990	<u>Treasurer</u>
1992-1993	<u>President</u>
1980 - 2002	<u>Florida Neurosurgical Society</u>
1983-1992	<u>Board of Directors and Program Chairman</u>
1985-1987	<u>Treasurer</u>
1988-1989	<u>President</u>
1985 - present	<u>Neurosurgical Research Forum</u>
1986 - present	<u>Society of University Neurosurgeons</u>
1983-2002	<u>Southern Neurosurgical Society</u>
1988-1989	<u>Nominating Committee</u>
1994-1996	<u>Nominating Committee</u>
1990-present	<u>American Academy of Neurological Surgery</u>
1992, 1999	<u>Local Arrangements Chairman</u>
1999-2000	<u>Executive Committee</u>
2002-2003	<u>Vice President</u>
1993 - present	<u>The Society of Neurological Surgeons</u>
2005—present	<u>Treasurer</u>
2010 – present	President-elect

Memberships, Offices, and Committee Assignments in Professional Societies (*continued*)

1994-1999	<u>North American Skull Base Society</u>
1995-1998	<u>Executive Committee</u>
1998 - present	<u>American Board of Neurological Surgery</u>
1999	<u>Chairman, Practice Data Committee</u>
2001-2003	<u>Treasurer</u>
2003-2004	<u>Chairman</u>
1999-present	<u>American Surgical Association - fellow</u>
2002-present	<u>New England Neurosurgery Society</u>
2006-present	<u>Residency Review Committee for Neurosurgery</u>
2009-present	<u>World Congress of Neurological Surgery</u>
	<u>Vice President</u>
2010	<u>Pop Warner Medical Advisory Board</u>
	<u>Board Member</u>

Editorial Boards:

1989-present	Stroke, Guest Editor
1990-present	Journal of Stroke and Cerebrovascular Disease, Guest Editor
1991-2002	Neurosurgery
1997-present	Operative Techniques in Neurosurgery

Awards and Honors:

	Alpha Omega Alpha
1987	Town and Country – Best Doctors in America
1993	The Best Doctors in America, 2 nd Edition
1994	Good Housekeeping Magazine – Best Doctors in America
1995	Texas Neurosurgical Society – Honored Guest
1996	Georgia Neurosurgical Society – Honored Guest
1997	Meachum Society (Vanderbilt) – Honored Guest
1998	The Best Doctor's in America, 4 th Edition
2000	Western Neurosurgical Society – Honored Guest
2000	Donaghy Lecture, Joint Section of Cerebrovascular Surgery
2000	American's Top Doctors
2000	How to Find the Best Doctors: Florida
2001	Louisiana Neurosurgical Society – Honored Guest
2003	Drake Lectureship – Joint Section of Cerebrovascular Surgery
2004	Rocky Mountain Neurosurgical Society Honored Guest
2005 – present	Best Doctors in America
2007	Schneider Lecturer - AANS
2007-2009	Best Doctors in America – Cancer

Awards and Honors (continued):

2008	Neurosurgical Society of America Medal of Honor
2010	Castle Connolly America's Top Doctors 2005-2010
2010	Honored Elder – Aquanimitas Society

PART II: Self-Reports of Research, Clinical Activity, and Teaching

Report of Research

Major Research Interests:

- Clinical:
1. Surgical Treatment of Intracranial aneurysms and other vascular lesions
 2. Skull base exposures to complex vascular lesions and tumors
 3. Minimally invasive spine surgery and athletics
- Basic Research:
1. Neuroprotection in ischemic and hemorrhagic stroke
 2. Biomarkers of neural injury

Narrative Description of Research

Working in a neuroanatomy laboratory and in the operating room, my clinical research at UF was aimed at the development of new and safer surgical approaches to complex tumors and vascular lesions of the skull base. In the lab, I investigated the neuroprotective effects of estrogens against focal and global cerebral ischemia in a rodent model. Studies include delivery of the drug before and after the ischemic insult, and the pattern/protection from cell death thereafter. Other projects have investigated intracerebral and subarachnoid hemorrhage, looking at ways to protect nerve cells from irreversible injury following bleeding. We also investigated programmed cell death (apoptosis) in these models, and look at biomarkers that might precede the actual neuronal death and protectants that might arrest the process.

Research Funding Information: Past and Present

1985-1990	Miles Pharmaceuticals/NIH/Johns Hopkins University (PI) Efficacy Safety Study of Nimodopine in Patients with Subarachnoid Hemorrhage
1992-1998	Upjohn Company/NIH/University of Virginia (PI) Efficacy Safety Study of Tirilazad Mesylate in Patients with Subarachnoid Hemorrhage
1993	NIH/Mayo Clinic, Rochester MN (PI) International Study of Unruptured Intracranial Aneurysms
1994-2002	NIH (Co-PI) Ethanol Effects on Neurotransmission
1997-1999	University of Florida (Co-PI) Protective Effects of Estrogens Following Cerebral Ischemia
1999-2002	US Army Research and Material Command (Co-PI) Neuroprotection from Brain Injury by Novel Estrogens
2001-2003	Chugai Pharmaceutical Corporation (PI) – AVS protection following subarachnoid hemorrhage

Research Funding Information: Past and Present (continued)

2005 CIMIT grant – Use of OCT in the evaluation of intracranial arterial aneurysms
1998 - present Familial Intracranial Aneurysm Study – genetic analysis (institutional PI)

Report of Clinical Activity

Principal Clinical and Hospital Service Responsibilities:

1977-1978 Instructor, Neurosurgery, University of Florida
1978-1983 Assistant Professor of Surgery/Neurosurgery, University of Florida
1978-2002 Attending Staff Surgeon, Neurological Surgery, University of Florida Shands Teaching Hospital
1978-2002 Consultant, Neurological Surgery, Gainesville VA Hospital
1979-2002 Neurosurgeon Consultant, Athletic Department, University of Florida
1983-1988 Associate Professor of Neurological Surgery, University of Florida
1988-2002 James and Newton Eblen Eminent Scholar Cerebrovascular Surgery, University Florida
1998-2002 Co-Chairman and Program Director, Department Neurosurgery, University of Florida
2002-2007 Professor of Neurosurgery, Harvard Medical School; Chairman and Program Director, Department of Neurosurgery, Brigham and Women's Hospital
2007-2010 Chairman, Department of Neurosurgery, Brigham and Women's Hospital; Professor of Surgery (Neurosurgery), Harvard Medical School
2007 - 2009 Clinical Director (interim) of Neuro-oncology Disease Center, Dana-Farber/BWH Cancer Center

Major Administrative Responsibilities:

1980-1988 University of Florida, Coordinator of Student and Resident Education
1998-2002 Co-Chairman, Program Director
1978-2002 Faculty Advisor
1980-1989 Surgical Intensive Care Unit Committee
1982-1994 Faculty Senate
1989 College of Medicine Dean's Search Committee
1993 Pathology Search Committee
1998 Neuro-Ophthalmology Search Committee
1990-1993 Medical School Admissions Committee Member
1991-1994 Official AMA Medical Schools Representative
1995-2002 Brain Institute Committee Member
1995-2002 Physician Advisor, Managed Care Committee
1995-1997 University of Florida Budget and Finance Committee
1998-2002 University of Florida Institutional Committee on Graduate Medical Education
2002-2007 Vice Chairman, Program Director, Brigham and Women's/Children's Hospitals Boston, Department of Neurosurgery
2002-2010 Director, Cerebrovascular Center, Brigham and Women's Hospital
2003-2010 Director, Neurologic Sports Injury Center, Brigham and Women's Hospital
2007-2010 Chairman, Department of Neurosurgery, Brigham and Women's Hospital/Children's Hospital Boston

Report of Teaching

I was the Program Director for the University of Florida for 4 years. In that capacity, I devised an educational program that encouraged knowledge, reading, and a scholarly atmosphere. Once in place, board scores uniformly soared, and reached the highest levels for all residents. I taught a CV conference weekly, which was attended by all the neurosurgery residents along with multiple students and occasional residents and faculty from neurology, orthopedics, and anesthesia.

I also lectured to the 1st year students on cerebrovascular anatomy during the Neuroscience Course, the 2nd year class on brain tumors, and the 3rd and 4th year on stroke and its surgical treatment. I have been frequently invited as a visiting professor at other institutions, and am a regular lecturer at most the national neurosurgical meetings, principally talking on the surgical management of stroke and athletic injuries.

I then served as Program Director from 2002-2009 for the Children's/Brigham and Women's Hospitals/Harvard Medical School, Neurological Surgery Residency Training Program. Upon my arrival, I made major educational changes to both the rotation and conference schedules for the residency program. Rotation changes included implementing highly structured rotations in order to comply with the ACGME program requirements and competencies, as well as to clearly delineate junior, intermediate, and senior duties and responsibilities on all services. I revised the conference schedule to enhance focus on education and basic knowledge. During my time as Program Director, I taught the Cerebrovascular conference every Tuesday morning and a Resident Conference on Thursdays. I instituted Thursdays as the dedicated academic day for the residency program, where resident are free from patient care responsibilities and were required to attend five hours of teaching conferences throughout the day. Residents were encouraged to participate in clinical and basic research studies, present papers at national meetings, apply for research grant funding and continue to read and study. Our Training Programs' residents have had an excellent record of securing research grant funding and awards including the NRSA, NREF, and ACS scholarship (>\$350K in 2009), and achieving board scores in the highest percentile nationally. In addition to mentoring our group of residents on a daily basis, I also made it a priority to spend time meeting with each rotating medical student who spent a month with our Neurological surgery program. As a result of our program's excellence, visiting professors from all around the world come to our program here in Boston to interface with our trainees and staff physicians. I also have been invited as a visiting professor at other institutions around the country throughout my term as an Attending Physician in the Department of Neurosurgery at Brigham and Women's Hospital.

Visiting Professorships / Named Lectureships:

1982	Visiting Professor, Republic of China
1983	Visiting Professor, University of Cincinnati, Cincinnati, OH
1985	Visiting Professor, Harvard University (Massachusetts General Hospital)
1986	Visiting Professor, University of Southern California,
1986	Visiting Professor, Barrow Neurological Institute, Phoenix, AZ
1987	Visiting Professor, Chicago Institute of Neurosurgery and Neuro-Research
1987	Visiting Professor, Fukuoka University, Japan
1988	Visiting Professor, Columbia University, New York, NY
1989	Visiting Professor, Allegheny General Hospital, Pittsburgh, PA
1990	Visiting Professor, Cleveland Clinic, Cleveland, OH
1990	Visiting Professor, Brazilian Neurosurgical Society

Visiting Professorships / Named Lectureships (continued):

1990	Visiting Professor, University of Miami, Miami, FL
1992	Visiting Professor, Vanderbilt University, Nashville, TN
1993	Visiting Professor, Harvard University (Peter Bent Brigham Hospital)
1995	Visiting Professor, University of Texas, Baylor, Houston, TX
1995	Visiting Professor, Shinshu University, Japan
1996	Visiting Professor, Washington University, St. Louis, MO
1996	Visiting Professor, Emory University, Atlanta, GA
1996	Visiting Professor, University of Indiana
1996	Visiting Professor, Henry Ford Hospital, Detroit, MI
1998	Visiting Professor, State University of New York, Buffalo, NY
1998	Visiting Professor, University of California, San Francisco, CA
1998	Visiting Professor, University of Michigan, Ann Arbor, MI
1998	Visiting Professor, University of Nebraska, Omaha, NE
2000	Visiting Professor, Hacettepe University, Turkey
2000	Visiting Professor, Stanford University, Stanford, CA
2001	Visiting Professor, University of Texas Southwestern Medical Center, Dallas, TX
2003	Visiting Professor, University Minnesota
2003	Visiting Professor, Yale University
2003	Visiting Professor, New York University
2003	Visiting Professor, University of Virginia
2004	Visiting Professor, Dartmouth University
2004	Visiting Professor, University of Maryland
2004	Visiting Professor, University of West Virginia University
2005	Visiting Professor, Ohio State University
2006	Visiting Professor, Albany Medical College
2006	Visiting Professor, Thomas Jefferson
2006	Visiting Professor, Temple University
2007	Visiting Professor, UCLA
2007	Visiting Professor, Emory University
2008	Visiting Professor, Louisiana State University Shreveport
2008	Visiting Professor, University of Toronto
2009	Visiting Professor, Northwestern University
2010	Visiting Professor, Baylor College of Medicine, Houston, TX

Teaching Experience and Presentations:

1978	Surface Membrane Redistribution in Experimental Gliomas. VIII International Congress on Neuropathology, Washington, DC
1979	Selection of Patients for Cerebral Bypass Surgery. International Microneurosurgery Symposium, Boca Raton, FL
1981	Microsurgery and Microneurosurgery. WIII Chinese Medical Congress and Scientific Meeting, Taipei, Taiwan
1982	Effects of CO ₂ Laser on Peripheral Nerve Regeneration. International Congress on Laser Neurosurgery II, Chicago, IL
1983	Symptomatic MCA Obstruction: Clinical and Radiographic Features. American Heart Association 8 th International Joint Conference on Stroke and Cerebral Circulation, San Diego, CA

Teaching Experience and Presentations (continued):

- 1983 Extracranial to Intracranial Artery Bypass for Cerebral Ischemia. American College of Surgeons Annual Clinical Congress Cine Program, Atlanta, GA
- 1983 Symptomatic MCA Obstruction; Indications for Surgical Intervention. Congress of Neurological Surgeons Annual Meeting, Chicago, IL
- 1984 Neurosurgical Treatment of Fitness and Sports Injuries and EC-IC Bypass: A Fresh Look Congress of Neurological Surgeons Annual Meeting, New York, NY
- 1984 ED-IC Bypass for MCA Obstructions. Seventh International Symposium on Microsurgical Anastomoses for Cerebral Ischemia, Phoenix, AZ
- 1985 Laser Endarterectomy: A Comparison of Thrombotic Potential Following CO2 Laser vs. Surgical Treatment. American Heart Association 10th Annual International Conference on Stroke and Cerebral Circulation, New Orleans, LA
- 1985 Management of Intracranial Stenosis and The Case Against Chymopapain. Congress of Neurological Surgeons Annual Meeting, Honolulu, HI
- 1986 Observations in the Treatment of Lumbar Disc Disease in College Football Players. American Academy of Orthopaedic Surgery: Sports Medicine Section Annual Meeting, New Orleans, LA
- 1986 Distal Basilar Aneurysms and the Argon Contact Laser Scalpel: A Comparative Study of its Effect on Atherosclerosis. Congress of Neurological Surgeons Annual Meeting, New Orleans, LA
- 1986 Percutaneous Automated Diskectomy. American College of Surgeons, New Orleans, LA
- 1986 Laser vs. Surgical Endarterectomy in Atherosclerotic Rabbits: Relationship Between Thrombotic Potential and Prostacyclin Biosynthesis. American Heart Association 59th Scientific Session, Dallas, TX
- 1987 Treatment of Lumbar Disc Disease in Athletes. Joint Section on Spinal Disorders, AANS/CNS, Boca Raton, FL
- 1987 Pseudotumor Cerebri in Chronic Renal Failure. American Academy of Neurology 39th Annual Meeting, New York, NY
- 1987 Giant Aneurysms, Natural History of Ruptured Aneurysms, and Posterior Fossa Aneurysms. Xth Mexican Congress of Neurological Surgery, Monterrey, Mexico
- 1988 Lumbar Spine Injuries in Athletes. American Association of Neurological Surgeons Annual Meeting, Toronto, Ontario
- 1988 Aneurysms of the Ophthalmic Segment. Society of University Surgeons Annual Meeting, Tübingen, Germany
- 1988 Supraclinoid Carotid Aneurysms, MCA Aneurysms, and Practical Course on Aneurysms. Congress of Neurological Surgeons, General Science Session, Seattle, WA
- 1989 Aneurysms Involving the Cranial Base: Angiography-MRI Correlates. American Society of Neuroimaging Annual Meeting, Orlando, FL
- 1989 Surgery for Aneurysm of Anterior Circulation and Surgical Techniques for Cerebral Aneurysm. Japanese Congress of Neurological Surgeons Annual Meeting, Fukuoka, Japan
- 1989 Spinal Injuries in Sports and Uses of Lasers and Ultrasound. American Association of Neurological Surgeons, Washington, DC
- 1989 Management of Aneurysmal Hemorrhage and Posterior Circulation Aneurysms. National Medical Association Conference, Orlando, FL

Teaching Experience and Presentations (continued):

- 1990 Surgical Management of Intracerebral Hemorrhage. 15th International Joint Conference on Stroke and Cerebral Circulation, Orlando, FL
- 1990 AVM's of Retrosplenial Area, Management of Extracranial Cerebrovascular Disease, Future Role of EC-IC Bypass, Paraclinoid Aneurysms, Middle Cerebral Aneurysms, The Subtemporal Approach to Basilar Apex Aneurysms, and The Pterional Approach. Brazilian Neurosurgical Society, Port Allegre, Brazil
- 1991 Paraclinoid Aneurysms. Second Annual Meeting of the North American Skull Base Society, Lake Buena Vista, FL
- 1991 Microsurgery for Aneurysms and Sports Injuries in Neurosurgery. Congress of Neurological Surgeons, Orlando, FL
- 1991 Subarachnoid Hemorrhage – Perioperative Management. Anesthesiology and Critical Care Update, Orlando, FL
- 1992 Preoperative Management of the Patient with Ruptured Cerebral Aneurysms in the Anterior Circulation and Postoperative Management of Patients with Ruptured Anterior Circulation Aneurysms and Intracranial Hemorrhage. Texas Medical Association, San Antonio, TX
- 1992 Does Age Affect Course and Outcome from Craniotomy for Subarachnoid Hemorrhage? Parieto-Occipital AVMs, and Vertebrobasilar Aneurysms. American Association of Neurological Surgeons Annual Meeting, San Francisco, CA
- 1992 Microsurgery for Aneurysms. Congress of Neurological Surgeons, Washington, DC
- 1993 Surgical Techniques in Intracranial Aneurysms: Internal Carotid Artery Aneurysms, Complex Aneurysms of the Internal Carotid Artery, Aneurysms of the Clinoid Segment, and Neurosurgery and the Carotid artery: The Role of the External Carotid Artery. American Association of Neurological Surgeons Annual Meeting, Boston, MA
- 1993 Traumatic Dissection of the Internal Carotid Artery: Conservative vs. Surgical Management. American Heart Association Consensus Conference on Carotid Endarterectomy, Park City, UT
- 1993 Lesions of the Visual Pathways: Proximal Carotid Aneurysms. Bascom Palmer Eye Institute 25th Neuro-Ophthalmology Course, Miami Beach, FL
- 1994 Vein Bypass Grafts for Skull Base Lesions and Management of Parasellar Aneurysms. German and North American Skull Base Societies Joint Annual Meeting, Lake Buena Vista, FL
- 1994 Aneurysms of the Parasellar Region Including New Concepts in the Definition of the Cavernous Sinus. Japanese Conference on Surgery for Cerebral Stroke Annual Meeting, Kyoto, Japan
- 1994 Surgical Techniques in Intracranial Aneurysms, Internal Carotid Artery Aneurysms, Management of Anterior Circulation Aneurysms, and Management of Parasella Region Lesions: Fusiform MCA Aneurysms. American Association of Neurological Surgeons, San Diego, CA
- 1994 Surgical Treatment of Internal Carotid Artery Aneurysms. Japanese Congress of Neurological Surgeons 14th Annual Meeting, Sendai, Japan
- 1994 Microsurgical Anatomy of the Craniocervical Junction: Surgical Anatomy. Surgical Anatomy for Microneurosurgery 8th Annual Meeting, Japan

Teaching Experience and Presentations (continued):

- 1994 Surgical Techniques in Aneurysm Surgery, Management of Vascular Lesions within the Cavernous Sinus, Treatment of Arteriovenous Malformations, and Anterior Circulation Aneurysms. Congress of Neurological Surgeons Annual Meeting, Chicago, IL
- 1995 Aneurysms of the Clinoid Segment: A Practical Redefinition of Intracavernous Carotid Artery Pathology and MCA Dissecting Aneurysms: An Opportunity to Define the Advances in Neurology and Neurosurgery. Barrow Neurological Institute, Phoenix, AZ
- 1995 Surgical Techniques in Intracranial Aneurysms, Management of Anterior Circulation Aneurysms, Management of Aneurysms of the Parasellar Region, and The Unruptured Aneurysm. American Association of Neurological Surgeons Annual Meeting, Orlando FL
- 1995 Surgical Approaches to Posterior Fossa Aneurysms, Consultants Corner: Cerebrovascular Disease: Surgical management, Treatment of Intracranial AVMs, Practical Course: Anterior Circulation Aneurysms, Alterations in NMDA Receptor Concentration in Gerbils Treated with RU40555 Prior to and After a Global Ischemic Insult, and Does Age Affect Course and Outcome from Aneurysmal Subarachnoid Hemorrhage? Congress of Neurological Surgeons Annual Meeting, San Francisco, CA
- 1996 Anterior Circulation Giant Aneurysms, Hemodynamics, Atherosclerosis and the Genesis of Intracranial Aneurysms. Joint Section on Cerebrovascular Surgery of the American Association of Neurological Surgeons and Congress of Neurological Surgeons Annual Meeting, San Antonio, TX
- 1996 Carotid Angioplasty and Stenting. American College of Surgeons Annual Spring Meeting: New York, NY
- 1996 Practical Clinic: Surgical Techniques in Intracranial Aneurysms; Variations of the Pterional Craniotomy; Neurological Injuries and the Athlete; Demonstrating Surgeon: Surgical Dissection: 3-D Video Demonstration. American Association of Neurological Surgeons Annual Meeting, Minneapolis, MN
- 1996 Anterior Circulation Aneurysms, Clipping Techniques; Surgical Management and Results—ICA Aneurysms; Small unruptured aneurysms: Surgery. Cerebral Aneurysms and Vascular Malformations—1996 and Beyond, Harvard Medical School Annual Course: Boston, MA
- 1996 Examination of the Head and Neck. National Athletic Trainers' Association Annual Meeting and Clinical Symposia, Orlando, FL
- 1996 Interventional Treatment in Cerebrovascular Disorders. Joint Third World Stroke Congress and 5th European Stroke Congress, Munich, Germany
- 1996 Anterior Circulation Aneurysms; Consultants Corner—Cerebrovascular. Congress of Neurological Surgeons Annual Meeting, Montreal, Quebec
- 1996 Ophthalmic Segment Aneurysms; Management of Unruptured Intracranial Aneurysms; Surgical Approaches to Aneurysms of the Upper Basilar Artery. Japan Neurosurgical Society Annual Meeting, Toyama, Japan
- 1997 Panelist: Proximal Basilar Aneurysms—Coil Vs. Clip; Co-Moderator: Paraclinoid Aneurysms. American Association of Neurological Surgeons Annual Meeting, Denver CO

Teaching Experience and Presentations (continued):

- 1997 Long-term Outcomes from Clipping of Basilar Apex Aneurysms; Modern Surgical Results for Non-Basilar Apex Posterior Circulation Aneurysms. Southern Neurosurgical Society, Pinehurst, NC
- 1997 Anterior Circulation Aneurysms. National Medical Practice Knowledge Bank Project, Virtual Conference on “Brain Attack,” Scottsdale, AZ
- 1997 Surgical Prevention & Treatment of Stroke.
- 1997 Stroke: The Neurosurgeon’s Domain; Treatment of Basilar Trunk Aneurysms, Congress of Neurological Surgeons Annual Meeting, New Orleans, Louisiana
- 1997 Surgical Prevention & Treatment of Stroke. Florida Medical Association Annual Meeting, Scientific Program, Miami, FL
- 1997 Stroke: The Neurosurgeon’s Domain, Treatment of Basilar Trunk Aneurysms, Teaching Physicians in University Hospitals: Do They Have a Future? Reimbursement and PATH Issues. Congress of Neurological Surgeons Annual Meeting, New Orleans, LA
- 1998 Posterior Circulation Aneurysms. Joint Section of Cerebrovascular Surgery Annual Meeting, Orlando, FL
- 1998 Neurologic Injuries in Athletes. Neurologic Injuries in Athletics Conference, Orlando, FL
- 1998 Surgical Techniques in Intracranial Aneurysms—Internal Carotid Artery Aneurysms; Neurological Injuries and the Athlete; Correlative Microvascular Anatomy as a Guide to Better Surgery; Dramatic Socioeconomic Changes Affecting All Neurosurgeons; Anterior Circulation Aneurysms. American Association of Neurological Surgeons Annual Meeting, Philadelphia, PA
- 1998 Management of Anterior Circulation Berry Aneurysms; Management of Posterior Circulation Aneurysms. Endovascular Therapeutic Neuroradiology Workshop & Live Cases, Houston, TX
- 1999 Special Symposium: Incidental Aneurysms: Surgical Outcomes: Anterior Circulation Aneurysms. Skull Base Approaches for Anterior Circulation Lesions. Joint Section on Cerebrovascular Surgery Annual Meeting, Nashville, TN
- 1999 Surgical Techniques in Intracranial Aneurysms; Low Back Injuries in the Athlete; Posterior Circulation Aneurysms; Treatment Algorithms in Complex Intracranial Disease. American Association of Neurological Surgeons Annual Meeting, New Orleans, LA
- 1999 Management of Cavernous and Paraclinoidal Vascular Lesions; Sports Medicine: What Every Neurosurgeon Needs to Know; Sports-related Spine and Spinal Cord Injury. Congress of Neurological Surgeons Annual Meeting, Boston, MA.
- 2000 Management of Cavernous and Paraclinoidal Vascular Lesions, Surgical Treatment and Outcomes of Large and Giant Paraclinoid ICA Aneurysms. Congress of Neurological Surgeons Annual Meeting, San Antonio, TX
- 2001 Surgical Techniques in Intracranial Aneurysms, Management of the Injured Athlete, Consultants Corner: CV. American Association of Neurological Surgeons, Annual Meeting, Toronto, Ontario
- 2001 Oxidant Injury Occurs Rapidly after Global Brain Ischemia and Reperfusion. American Heart Association Scientific Session 2001, Anaheim, CA

Teaching Experience and Presentations (continued):

- 2001 Estrogen Receptor-Independent Mechanisms for Neuroprotection in Stroke. Annual Meeting of the British Pharmacological Society, London, England
- 2001 Congress of Neurological Surgeons Annual Meeting;
Cerebrovascular Disease 2002: Indications, Treatment Options and Complications
- 2002 American Association of Neurological Surgeons Annual Meeting, Chicago, IL
Technical Management of Intracranial Aneurysms: Site Specific Surgical Anatomy, Operation Intervention and Complication Management.
- 2002 Consultants Corner: Difficult and Controversial CV Cases. American Association of Neurological Surgeons Annual Meeting, Chicago, IL
- 2002 Challenges in Identifying and Treating Sport Injuries. American Association of Neurological Surgeons Annual Meeting, Chicago, IL
- 2002 Operative Colloquium: Masters of Neurological Surgery. Congress of Neurological Surgeons Annual Meeting, Philadelphia, PA
- 2003 Clinical and Research Focus: The Fundamentals of Subspecialty Practice. Congress of Neurological Surgeons Annual Meeting, Denver, CO
- 2003 Intra-operative Salvage Techniques: “Getting out of Trouble in Cranial Surgery”. Congress of Neurological Surgeons Annual Meeting, Denver, CO
- 2003 MCA Anatomy and Clinical Decision Making. The Charles Drake Lecture. Congress of Neurological Surgeons Annual Meeting, Denver, CO
- 2003 American Association of Neurological Surgeons Ann Meeting, San Diego CA
Technical Management of Intracranial Aneurysms: Site Specific Surgical Anatomy, Operation Intervention and Complication Management.
- 2003 Technical and Research Focus: The Fundamentals of Subspecialty Practice. Congress of Neurological Surgeons Annual Meeting, Denver, CO
- 2004 Multiple presentations: Joint Section of Cerebrovascular Surgery, Phoenix AZ
- 2004 Multiple presentations: American Association of Neurological Surgeons Annual Meeting; San Diego CA
- 2005 Joint Section Cerebrovascular Surgery, New Orleans, LA
1. Practical Course – surgical techniques: MCA aneurysms
 2. Luncheon Presentation – surgery for ruptured anterior circulation aneurysms
 3. Featured Presentation – Surgery: the Gold Standard for treatment of intracranial aneurysms
- 2006 Multiple presentations: American Association of Neurological Surgeons Annual Meeting; San Francisco, CA
- 2006 Joint Section Cerebrovascular Surgery, Chicago, IL
1. Practical Course – surgical techniques: MCA aneurysms
 2. Luncheon Presentation – surgery for ruptured anterior circulation aneurysms
 3. Featured Presentation – Surgery: the Gold Standard for treatment of intracranial aneurysms
- 2007 Multiple Presentations: American Association of Neurological Surgeons Annual Meeting; Washington, DC

Teaching Experience and Presentations (continued):

- 2007 Joint Section Cerebrovascular Surgery, San Diego, CA
1. Practical Course – surgical techniques: MCA aneurysms
 2. Luncheon Presentation – surgery for ruptured anterior circulation aneurysms
 3. Featured Presentation – Surgery: the Gold Standard for treatment of intracranial aneurysms
- 2007 Operative Techniques: “Microsurgical clipping of a middle cerebral artery aneurysm”. Congress of Neurological Surgeons Annual Meeting, San Diego, CA
- 2007 Vasculature: Applied Neurovascular Anatomy. Harvard Medical School, Boston, MA
- 2007 International Stroke Conference 2007, San Francisco, CA : The Unruptured Small Aneurysm: Surgical Management
- 2008 International Stroke Conference 2008, New Orleans, LA : Microsurgery - The Refinement of Surgical Adjuncts” in the session “Intracranial Aneurysms: Current State-of-the-Art
- 2008 Sports Medicine Meeting, Boston, MA
- 2009 Southern Neurological Society Annual Meeting, Atlanta, GA : Intraoperative Exposure and Management of the Anterior Visual System during Aneurysm and Skull Base Surgery
- 2009 Multiple Presentations: Sports-Related Conference on Concussion & Spine Injury, Boston, MA
- 2009 AANS Annual Meeting, San Diego, CA : Technical Management of Intracranial Aneurysms
- 2009 The Evolution of Intraoperative Imaging: How Has it Changed Neurosurgery? - 6th Annual World Congress of IBMISPS, Boston, MA
- 2009 The Best Microsurgery Has to Offer for Paraclinoid Aneurysms – World Academy of Neurological Surgeons 2009, Boston MA
- 2009 Moderator for WFNS Session: The Unruptured Intracranial Aneurysm: Clip, Coil or Neither? – World Federation of Neurosurgical Surgeons Meeting, Boston, MA
- 2010 Moderator for CNS Session: "Innovations in Open and Endovascular Management of Aneurysms". Congress of Neurological Surgeons Annual Meeting, San Francisco, CA
- 2010 Scientific Symposium: “Current and Future Endovascular and Surgical Treatment of Cerebral Aneurysms” – Methodist Hospital Neurological Institute, Houston, TX

Research Fellowship Mentorship:

1. Joel MacDonald - currently an Associate Professor at the University of Utah (their CV surgeon); editor of Neurosurgery ON-CALL; Scientific Program Chairman, Treasurer for the Congress of Neurological Surgeons; active in organized neurosurgery (AANS, ABNS, RRC) programs dealing with database processing.
2. Francisco Revilla - currently an Associate Professor in Mexico City, and arguably the most well known young vascular neurosurgeon in that country. Scientific Program Chairman for the Mexican and Latin American Neurological Surgery Societies in recent years.

Research Fellowship Mentorship (continued):

3. John Chang - graduate of Montreal Neurologic Institute, now an Assistant Professor at University of California - Davis as their CV surgeon
4. Michael Cawley - graduate of Emory University, now an Assistant Professor, CV and endovascular surgeon, Emory University in Atlanta.
5. Dong Kim - graduate of UCSF, now an Assistant Professor at Harvard Medical School, Brigham and Women's Hospital, NIH funded investigator
6. Steven Lewis - graduate from Perth, Australia, now an Assistant Professor at the University of Florida as CV surgeon
7. Larry Dickinson - now in private practice in California, formerly the CV surgeon and an Assistant Professor at the University of Michigan
8. Robert Mericle now an Associate Professor at Vanderbilt as their endovascular surgeon
9. Greg Zipfel – Cerebrovascular Fellow at the University of Miami, spent two years with Dennis Choi at Washington University investigating cerebral ischemia; NIH funded; currently writing a book with me on intracranial aneurysms, multiple publications with me as a co- author; now an assistant professor at Washington University St. Louis
10. G. Edward Vates MD: recent Cerebrovascular fellow, now an assistant professor at University of Rochester NY
11. Philip Theodosopoulos MD, recent Cerebrovascular fellow, now an assistant professor at University of Cincinnati OH
12. Dilantha Ellegala, recent Cerebrovascular fellow, now an assistant professor at University of Oregon in Portland
13. Cormac Mayer MD, recent Cerebrovascular fellow, now an assistant professor at University of Michigan in Ann Arbor
14. Rose Du MD, recent Cerebrovascular fellow, now an Instructor at Harvard Medical School and an attending neurosurgeon at Brigham and Women's Hospital
15. Multiple research fellows from the Beijing Neurological Institute, each of whom spent at least two years in my basic science lab at the University of Florida; one is currently at the University of North Texas working on his PhD, and is expected to join the faculty thereafter; another is strategically positioned to become the next chairman of the Beijing Neurologic Institute.
16. Mark Dannenbaum, recent CV fellow, now an endovascular fellow at Emory University Atlanta
17. Vikram Nayar, M.D., recent CV/Skull Base Fellow

Part III: Bibliography

Original Articles:

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2. Day AL, Sybert GW: Spinal Cord Sarcoidosis. Annals of Neurology 1977; 1:79-85.
3. Day AL, Maniscalco JE, Geissinger J, Rhoton AL Jr: Communicating Hydromyelia. Surgical Neurology 1977; 7:157-160.

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4. Shuey HM, Day AL, Quisling RG, Sybert GW: Angiographically Cryptic Cerebrovascular Malformations. Neurosurgery 1979; 5:476-479.
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9. Lister JR, Day AL, Ballinger WB: Ulnar Palsy Caused by Synovial Chondromatosis. Surgical Neurology 1981; 15:428-430.
10. Mickle JP, Menges JT, Day AL, Quisling RL, Ballinger WB: Experimental Aortocaval Fistula in rats. Journal of Microsurgery 1981; 2:283-288.
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12. Day AL: Axioms on Brain Tumors. Tribuna Medica, 1981.
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21. Watson RT, Valenstein E, Day A, Heilman KM: Ablation of Area 7 on Cortex Around the Superior Temporal Sulcus and Neglect. Neurology 1985; 35:179-180.
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23. Day AL, Rhoton AL Jr, Little J: The EC-IC Bypass Study. Surgical Neurology 1986; 26:222-226.
24. Kanter SL, Day AL, Heilman KM, Gonzalez-Rothi LJ: Pure Word Deafness: A Possible Explanation of Transient Deteriorations After Extracranial-Intracranial Bypass Grafting. Neurosurgery 1986; 18:186-189.
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38. Day AL, Saleman M: Subarachnoid Hemorrhage. American Family Physician 1989; 40:95-105.
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Accepted for publication:

107. Cahill K, Chi J, Day AL, Claus E: Trends in survival after surgery for breast cancer metastatic to the brain and spinal column in medicare patients: a population-based analysis. Journal of Neurosurgery: Accepted: August 2010.

Submitted for publication:

107. Dunn IF, Chumnanvej S, Day A, Friedlander R, Frerichs K, Kim DH: Correlation of computed tomographic angiography with digital subtraction angiography following aneurysmal rupture. (submitted)
108. Wang H, Gkogkas C, Frerichs K, Day AL; A rare posterior communicating artery aneurysm mimic: supraclinoid internal carotid artery fenestration with an associated aneurysm, submitted to Journal of Neurosurgery.

In preparation:

109. Day AL, Aneurysms of the Clinoid Segment: A Clinical and Anatomic Analysis, in preparation.
110. Oreste N, Cawley M, Day AL: AVMs of the IIIrd Ventricle, in preparation.
111. Vates E, Day AL: Aneurysms of the Middle Cerebral Artery Typical Bifurcation, in preparation.
112. Zipfel G, Vates E, Day AL: Lenticulostriate Artery Aneurysms of the Middle Cerebral Artery, in preparation.

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