

CURRICULUM VITAE

November 5, 2009

Robert Joseph Adams, MS, MD

**Professor of Neuroscience
University Eminent Scholar
Director, South Carolina Center of Economic Excellence
Director South Carolina REACH Stroke Network and REACH MUSC
Director MUSC Stroke Center
19 Hagood Ave, Suite 501 HOT
Charleston, SC 29425**

EDUCATION

Subiaco Academy, Subiaco, Arkansas, 1967.

St. Louis University, Bachelor of Science, Electrical Engineering, 1971.

University of Colorado at Boulder, Master of Science, Engineering Design and Economic Evaluation, 1976.

University of Arkansas for Medical Sciences, Doctor of Medicine, with Distinction in Neurophysiology, 1980.

INTERNSHIP

University of Arkansas for Medical Sciences, Flexible Internship, 1980 - 1981.

RESIDENCY

Department of Neurology, Medical College of Georgia, 1982 - 1985.

CERTIFICATION

National Board of Medical Examiners, 1980.

Diplomate, American Board of Psychiatry and Neurology, January 1987
(cert number 29025).

LICENSES:

Georgia
Arkansas
South Carolina

PROFESSIONAL

ACADEMIC APPOINTMENT:

Staff Physician, Spinal Cord Injury Unit, Augusta VA Medical Center, Augusta, GA, 1981- 1982.

Consultant, Augusta VA Medical Center, 1985 - present.

Consultant, University Hospital, Augusta, Georgia, 1987 - present.

Provisional Associate, Tele-Neurology, McDuffie Regional Medical Center, Thompson, GA, May 30, 2004-2006.

Admission privileges (TPA administration), McDuffie Regional Medical Center, Thompson, GA, May 30, 2004-2006.

Provisional Associate, Tele-Neurology, Morgan Memorial Hospital, Madison, GA, March 23, 2004-2005.

Consulting Staff, Emanuel Center Hospital, Swainsboro, GA, March 24, 2004-2006.

Active Medical Staff (Imaging Privileges for Non-Radiologists), Medical College of Georgia Health Inc. July 22, 2004-2006.

Consulting Staff, Department of Medicine (Neurology) University Health Care System, September 2004-2006.

Consulting Staff, Children's Medical Center Medicine (Neurology) Medical College of Georgia Children's Medical Center; November 25, 2004-2006.

Stroke Consultant Walton Rehabilitation Center, Augusta, Georgia 2005-2007.

Consultant to Morehouse School of Medicine Stroke Prevention Intervention Research Program (SPIRP). 2006.

FACULTY:

Assistant Professor of Neurology, Medical College of Georgia, Augusta, Georgia, July 1985.

Associate Professor of Neurology, Medical College of Georgia, July 1990.

Assistant Dean, School of Medicine and Assistant Hospital Director for Housestaff Affairs, 1990 - 1991.

Professor of Neurology, Medical College of Georgia, July 1995-2007.

Professor of Pediatrics, Medical College of Georgia, April 1998-2007

Regents Professor of Neurology, Medical College of Georgia, July 1998-2007.

Presidential Distinguished Chair, Medical College of Georgia, July 1999-2007

Professor of Neuroscience, Medical University of South Carolina, August 2007-

University Eminent Scholar, Medical University of South Carolina August 2007-

Director of South Carolina Center of Economic Excellence in Stroke, September 2007-

Full Member of the Graduate Faculty, Medical University of South Carolina March 2009-

INTRAMURAL COMMITTEES

Member: Human Assurance Committee, 1985 - 1989.

Representative: Faculty Senate, 1985-1986.

Member: MCG Hospital and Clinics, Hospital Utilization Committee, 1989.

Member: Dean's Committee Member, 1990.

Founding Chair: Graduate Medical Education Committee, 1990 - 1991.

Member: Executive Hospital Director's Planning Council, 1990 - 1991.

Member: Dept of Neurology Executive Committee, 1994.

Chair: Dept of Neurology Research Committee, 1995.

Chair: Ischemic Stroke Benchmark Project, University Hospital Consortium, 1996

Member: Educational Policies Committee Academic Council, 1996.

Member: Search Committee for Department of Psychiatry Chair, 1996-1997.

Member: Search Committee for Vice President for Research 1998

Member: Search Committee for Genomic Eminent Scholar 2001.

Mentor: STP Award for Jeffrey Switzer, M.D. on STP00105W002, Matrix Metalloproteinases Predict Poor Outcome in Diabetics with Acute Stroke, MCG Scientist Training Program.

EXTRAMURAL ACTIVITIES

I. National Institutes of Health:

Ad Hoc Reviewer: NIH (NINDS) Study Section for Proposals of Acute Stroke Therapy, NINDS, Stroke and Trauma Section, Washington, D.C., May 9-10, 1989.

Ad Hoc Reviewer: NIH (NHLBI) Study Section, Clinical Trials Review Committee, Feb. 1996.

Ad Hoc Reviewer: Epidemiology of Clinical Disorders and Aging Study Section. February 18-20 2004.

Ad Hoc Reviewer: Center for Scientific Review Special Emphasis Panel. February 19 2004.

Ad Hoc Reviewer: National Heart, Lung, and Blood Institute Special Emphasis Panel, April 11 2007.

Invited Faculty: NIH (NINDS) Toward the Establishment of Pediatric Stroke Trials Conference; Glen Cove, NY; December 10-11, 2004.

Chair: Ad Hoc Committee for the Interim Evaluation of the Comprehensive Sickle Cell Center Program, NHLBI 2005.

Faculty: NIH Supported Pre- and Post-Doctoral Training programs in Integrative Cardiovascular Biology, 2006-present.

Ad Hoc Reviewer: NIH (NINDS) Special Emphasis Panel for Proposals received in response to the SPOTRIAS program. (Teleconference) Dec 13-14 2007

Ad Hoc Reviewer: NIH (NINDS) Special Emphasis Panel for Proposals received in response to the SPOTRIAS program. Washington DC. August 8 2008.

Ad Hoc Reviewer: NIH (NINDS) NSD-K (Clinical Research) Study section (Teleconference) February 16 2009.

II. American Heart Association/American Stroke Association:

Chair: Executive Committee of Stroke Council, 2001-2003.

Member: Executive Committee Stroke Council, American Heart Association, 1992- present.

Editor: Stroke Council Newsletter, American Heart Association, 1992-1995.

Chair: Student Scholarship Committee, Executive Committee of the Stroke Council, American Heart Association, 1991-1994.

Chair: Affiliate Liaison Committee of the Stroke Council, American Heart Association, 1993-present.

Member: Education and Community Programs Committee, American Heart Association, 1994 - present.

Member: Stroke Task Force, American Heart Association, Georgia Affiliate, 1995 - present

Member: Board of Directors, American Heart Association, Georgia Affiliate, 1996-present.

Member: Task Force for the Positioning of Stroke within the American Heart Association, 1996.

Member: Committee on Scientific Councils, 2001/2002.

Chairperson: American Stroke Association, Dallas Texas, Stroke Advisory Committee July 1, 2004 - June 30, 2005.

Member: Task Force Member, American College of Cardiology Foundation/American Heart Association Task Force on Ethics. July 1, 2004 - June 30, 2005.

Member: Board of Directors, American Heart Association Dallas Texas 2004-2005.

Member: AHA/ASA Professional Member, thru July 2005.

Chairperson: American Stroke Association, Dallas Texas, Task Force for Comprehensive Stroke Center Certification 2005-2007.

Chairperson: American Heart Association, Southeastern Affiliate, Marietta Georgia, Georgia State Stroke Planning Task Force 2004-2006.

National Spokesperson: American Heart Association: 2005-2007

Co-Chair/Steering Committee Member: Georgia Cardiovascular Consortium Dec 2006-present.

Member: Stroke Performance Measures Consensus Committee, 2006-present.

Member: American Heart Insight Editorial Board, 2006-present.

Member: Telestroke Task Force of the American Stroke Association 2006-present

Member: Bugher Stroke Research Center Review Study Section March 2007

III. Editorial Boards/Scientific Publication Review

Ad Hoc Reviewer: for the following journals: **Stroke, Journal of Stroke and Cerebrovascular Diseases, Hemoglobin, Journal of Pediatrics, Neurology, Mayo Clinic Proceedings, Journal of the American Medical Association (JAMA), Blood, Circulation.**

Editorial Board: Journal of Stroke and Cerebrovascular Diseases, 1996-present.

Editorial Board: Seminars in Cerebrovascular Disease and Stroke, 2001-present

Editorial Board: International Journal of Stroke. 2005-present

Editorial Board: *Medscape*-Neurology and Neurosurgery 2007-present

IV. American Academy of Neurology

Ad Hoc Member: American Academy of Neurology, Technology Assessment Committee, Practice Committee, 1990.

Course Director: "Clinical Applications of Transcranial Doppler," a Breakfast Seminar presented at the American Academy of Neurology annual meetings, 1990-1995.

Course Director: "Neurosonology Skills Workshop," American Academy of Neurology Annual Meetings 1995-1999.

Faculty: "Neurohematology." Dinner Seminar, American Academy of Neurology Annual Meeting, Seattle, WA, 1995.

Faculty: "Clinical Applications of Transcranial Doppler," Breakfast Seminar, American Academy of Neurology Annual Meeting, San Francisco, CA, 1996-98.

Faculty: Stroke in Young Persons, Seminar at the American Academy of Neurology Annual Meeting, San Francisco, CA, 1996.

Faculty: "Treatment of Transient Ischemic Attacks" dinner seminar at the American Academy of Neurology 2001 and 2002.

Member: American Academy of Neurology, Vascular Neurology Section 2003-present.

V. Joint Commission for Accreditation of Health Care Organizations (JCAHO)

Physician Co-Chair: Stroke Performance Measure Advisory Panel for the Disease Specific Stroke Center Certification Program, 2003-2004.

VI. Other:

Representative: American Association of Medical Colleges (AAMC), Group on Educational Affairs, 1990 - 1991.

Member: Program Committee, International Symposium on Intracranial Hemodynamics, 1990 - 96.

Chair: Georgia Stroke Belt Consortium, 1995 - present.

Chair: Stroke Prevention Advisory Committee, Medical Association of Georgia, 1996.

Member: Tri State Network of North Carolina, Division of Public Health, 2001-2002.

Member: Editorial Board for Seminars in Stroke and Cerebrovascular Diseases 2001.

Member: Stroke Advisory Committee for the Georgia Coverdell Stroke Registry 2002

Co-Chair/Steering Committee Member: Georgia Cardiovascular Consortium Dec 2006-present.

GRANTS

I. National Institutes of Health:

Principal Investigator: Noninvasive Detection of Occlusive Cerebral Vasculopathy in Sickle Cell Disease, a component project of the program project "Sickle Cell Anemia and Related Hemoglobinopathies," T.H.J. Huisman, DSC, Principal Investigator, # 1 PO1 HL41544. 1988-93. (Direct costs for years 1 - 5 \$285,000.)

Co-Investigator: Master Agreement #N01-NS-9-2337, Cerebrovascular Clinical Research Projects, sponsored by the National Institutes of Health, National Institute of Neurological Disorders, 1989 - 1994.

Co-Investigator: Warfarin Antiplatelet Recurrent Stroke Study. Funded by NIH: NINDS, 1-RO1-NS28371-O1A2, 1992-1997; J.P. Mohr Principal Investigator; Medical College of Georgia, yearly direct cost \$65,950; (Fenwick T. Nichols MCG Principal Investigator).

Principal Investigator: Stroke Prevention Trial in Sickle Cell Anemia (STOP). 5U10 HL52193, funded 1994 -1999 by NIH/NHLBI. (Direct Costs for Years 1-5: \$12,267,461.)

Principal Investigator: Optimizing Primary Stroke Prevention in Children with Sickle Cell Anemia (STOP II) 2 U01 HL52193-06A1 funded 2000-2005 by National Institutes of Health/National Heart, Lung, and Blood Institute. (Direct costs for Years 01-05: \$12,786,874.)

Principal Investigator: TCD Ancillary Study as part of the Pediatric Hydroxyurea Phase III Clinical Trial (Baby HUGS N01-HB-07154 funded 2000-2006 by National Institutes of Health/National Heart, Lung, and Blood Institute. (Direct costs for Years 01-04: \$750,000.)

Co-Investigator: Genetic Risk Factors for CVA in Children with Hb SS 2001-2005; Principal Investigator: Abdullah Kutlar, MD: (Direct costs for Years 01-04 \$ 1,166,856.)

Co-Investigator: Genetic Modifiers in Sickle Cell Disease. Principal Investigator: Martin Steinberg MD, Boston University 2001-2005. (Direct costs for Years 01-04 \$ 950,000.)

Mentor/Principal Investigator: Minority Postdoctoral Supplement (MPDS) Application for Mehari Gebreyohanns, MD (PA-01-079) Project Title: Analysis of STOP II Subjects Who Do Not Qualify for Randomization.(Direct costs for Years 01-02, \$143,000.)

II. American Heart Association (Georgia Affiliate):

Principal Investigator: HDL-Cholesterol Subfractions in Cortical vs. Lacunar Stroke: Agreement No. 86-12-176. Funded by the Georgia Affiliate of the American Heart Association, 1987. \$21,000.

Faculty Sponsor: Cerebrovascular Student Scholarship, American Heart Association, 1991, \$1,500.

III. Foundations:

Principal Investigator: Detection of Cerebral Vasculopathy in Sickle Cell Disease in the University of the West Indies, Kingston Jamaica. Pilot Grant from the Christian Doppler Institute, Salzburg, Austria 1990. \$3,000.

Principal Investigator: Sickle Cell Cerebrovascular Laboratory. Funded by the Health First Foundation of Georgia. 1995-1997. \$50,000.

IV. Industry:

Principal Investigator: Validation American Critical Care Graded Neurologic Examination in Acute Stroke. Study No. #606-83-33-02. 1984. \$8,000.

Principal Investigator: Pilot Study of the Use of Hesperin in the Management of Acute Cerebral Infarction using Hemodilution and Phlebotomy. Protocol No. #606-84-35. American Critical Care. 1984. \$30,000.

Principal Investigator: Multi-center Controlled Study of the Use of Pentastarch vs. Standard Medical Treatment in the Management of Acute Cerebral Infarction. Study No.#607-85-10-08. American Critical Care. 1985. \$96,000.

Principal Investigator: (STIPAS) Study of Tirilazad Mesylate (U-74-006F) in Patients with Acute Ischemic Stroke. The Upjohn Company, 1991, P-2700-0020, \$86,000.

Principal Investigator: A Double-Blind, Placebo-Controlled Study to Determine the Safety, Tolerability, Pharmacodynamics, and Pharmacokinetics of Ascending Doses of Intravenous Dextrorphan HCL in Patients with an Acute Stroke. Hoffmann-LaRoche, 1991, N3620B, \$44,550.

Principal Investigator: RANTTAS: A Randomized Trial of Tirilazad in Acute Stroke. Upjohn Pharmaceutical, 1993-1994, P/2700/0035, \$60,000.00.

Co-Investigator: A 21 Day, Double-Blind, Parallel-Group, Multi-center Study to Compare the Efficacy and Safety of Nimodipine with that of Placebo in Patients with Acute Ischemic Stroke. Study No. GHBA-850. G.H. Besselaar Associates/Miles Pharmaceuticals. 1987. \$80,000.

Co-Investigator: Thrombolytic Therapy in Acute Ischemic Stroke. A0276-A3. Genentech, Inc. 1992-1995.

Co-Investigator: A Double-Blind, Parallel-Group, Multi-center Study to Compare Midrin® and its Components with Placebo in the Treatment of Outpatients with Acute Vascular Headache of the Migraine Type. G.H. Besselaar Associates/Miles Pharmaceuticals 1988. \$30,000.

Co-Investigator: A Multi-center Comparison of the Effects of Two Treatment Regimens on Atherosclerosis in Patients with Essential Hypertension. Isradipine (PN 200-100) Study # 360. Sandoz Pharmaceuticals, 1988 - 1993.

Co-Investigator: Thrombolytic Therapy in Acute Ischemic Stroke. A027g-A3. Genentech, Inc. 1996 – 1998.

Course Director: Using TCD, MR and Transfusion to STOP Stroke in Sickle Cell Disease. Grant of \$25,000 from Novartis to support training course. 2006.

V. Institutional:

Principal Investigator: Investigation of Stroke in Sickle Cell Disease using Proton MRI, Funded by the Medical College of Georgia Research Institute. 1986. \$6,000.

Faculty Advisor: Student Research Program on "Relationship of Alpha-Thalassemia and Beta S Gene Haplotypes to Stroke Risk in Sickle Cell Disease Patients." Funded by the Medical College of Georgia. 1986 - 1987. \$2,600.

Principal Investigator: Noninvasive Detection of Cerebral Vasculopathy in Sickle Cell Disease. Medical College of Georgia Research Institute. Small Grant 1988-1989. \$9,980.

Principal Investigator: "Prevention of First Stroke In Patients with Sickle Cell Disease using Hydroxyurea, a Pilot Study." Grant from the Department of Neurology Research Fund, 1996-97. \$12,000.

Principal Investigator: "Molecular Targets Project" Grant from the Dean of School of Medicine Medical College of Georgia 2004. \$ 200,000.

Mentor for STP Award for Jeffrey Switzer, M.D. on STP00105W002, Matrix Metalloproteinases Predict Poor Outcome in Diabetics with Acute Stroke, MCG Scientist Training Program.

HONORS

ETA KAPPA NU, 1971, Engineering Society President, Missouri Society of Professional Engineers, Student Chapter, 1970 - 1971.

Recipient: Upjohn Achievement Award for Medical Student Research, 1980.

Recipient: Outstanding Research Paper, Medical Student Division, University of Arkansas, 1980.

Recipient: Outstanding Young Faculty Award in Clinical Sciences, presented by the faculty of the School of Medicine, Medical College of Georgia, May 1990.

Invited Member: American Neurological Association, elected 1993.

Invited Lecturer: Dean's Symposium: "Putting a STOP to Stroke in Children with Sickle Cell Disease," Medical College Georgia, January 1995.

Recipient: Distinguished Faculty Award for Clinical Sciences, Medical College of Georgia School of Medicine Faculty Award, May 1996.

Recipient: Distinguished Alumni Award, University of Arkansas Medical Sciences, June 2001.

Recipient: Exemplary Volunteer Services. American Stroke Association, May 2002.

Recipient: America's Top Doctors, Medical College of Georgia Health Care Inc., April 2001-2006.

Recipient: Distinguished Faculty Award for Clinical Sciences, from the Faculty Senate of the School of Medicine, Medical College of Georgia, 2005.

Recipient: Distinguished Service Award for Chairing the American Stroke Association Stroke Advisory Committee. 2004-2005.

Recipient: Presidential Lectureship of the American Academy of Neurology, San Diego, California April 3, 2006.

Recipient: Award of Meritorious Achievement from the American Heart Association, presented in Washington DC April 9, 2006.

SCIENTIFIC AND PROFESSIONAL SOCIETIES

American Medical Association

American Academy of Neurology

American Neurological Association

Georgia Institute of Human Nutrition

American Heart Association, Stroke Council

American Society of Neuroimaging

American Society of Hematology

American College of Physician Executives, 1990-92.

Medical Association of Georgia

Board of Incorporators: World Stroke Federation, Geneva Switzerland, 2004

Board of Directors: World Stroke Federation 2004-2005.

World Stroke Federation/International Stroke Society Joint Commission on Consolidation 2005-2006.

Board of Directors: World Stroke Organization: 2006-present

PATENTS

Co-founder of REACHCall, Inc., a Georgia corporation with Intellectual Property Rights pertaining to telemedicine stroke care delivery system; patent #4525320

INVITED LECTURES

South Carolina Neurological Association 2008 Annual Educational Meeting, Asheville, NC. ***“Stroke in 2008 – Anything New?”*** 4 October 2008.

St. Mary’s Healthcare Systems Cardiology, Neurology, Primary Care Conference, Greensboro, GA. ***“Update on tPA and Acute Stroke Treatment 2008”***. 24-26 October 2008.

HSSC Summit Meeting, Florence, SC. ***Stroke-REACH MD Practical Demonstration***. 27-28 October 2008.

Low Country Stroke Conference Get with the Guidelines Pursuit of Clinical Excellence, Charleston, SC. ***Keynote Address***. 1 November 2008.

15th Annual Stroke Belt Consortium, Orlando, FL. ***“Telemedicine to Improve Stroke Care”***. 15-16 December 2008.

South Carolina Hospital Association Telemedicine Summit, Columbia, SC. ***Panel Presenter: “Telemedicine Development and Collaboration: Opportunities for Creating Partnerships and Funding Telemedicine Programs”***. 27 February 2009.

South Carolina Board of Higher Education Meeting, Columbia, SC. ***“Telemedicine Enhanced Treatment of Stroke”***. 2 April 2009

South Carolina Science, Technology and Health Conference, Columbia, SC. ***Keynote Speaker: “Advancing Stroke Care in South Carolina”***. 15 April 2009.

Medical University of South Carolina Neurosciences Symposium, Charleston, SC. ***“MUSC’s REACH Program”***. 18 April 2009.

University of Pittsburg Medical Center Grand Rounds, Pittsburg, PA. ***“Kids with Stroke – The Sickle Cell Disease Story”***. 22 April 2009.

South Carolina Medical Associates Annual Meeting, Hilton Head, SC. ***“Stroke in 2009 – Anything New?”***. 25 April 2009.

King’s College London Sickle Cell in Focus 2009 Conference, London, England. ***“Cerebrovascular Complications in Sickle Cell Disease”***. 25 June 2009.

PRESENTATIONS AT NATIONAL MEETINGS (SELECTED)

Adams RJ, Skinner RD, Rimmel RS: Peripheral Inputs in Long Descending Propriospinal Neurons in Cat. Soc. Neurosci. Abs.,1978;4:563. Paper presented to 8th Annual Society for Neuroscience Meeting in St. Louis, MO, 1978.

Adams RJ, Skinner RD, Rimmel RS: Activation of Long Descending Propriospinal Neurons in Cat Spinal Cord. Proceedings of Arkansas Academy of Science Meeting, 1980;34:13-15. Paper presented in Little Rock, AR, 1980.

Adams RJ, Rivner MH, Salazar J, Swift TR. Effect of Calcium Antagonist on Neuromuscular Transmission As Measured by Single Fiber EMG. Abstract presented to American Academy of Neurology Annual Meeting, 1984.

El Gammal T, **Adams RJ**, King DW, So EL, Gallagher BB. Modified CT Techniques in Evaluation of Temporal Lobe Epilepsy Prior to Lobectomy. Abstract presented to American Academy of Neurology Annual Meeting, Dallas, TX, 1985.

Adams RJ. Investigation of Stroke in Sickle Cell Disease Using MRI. Abstract presented to American Academy of Neurology Annual Meeting, New Orleans, LA, 1986.

Adams RJ. Transcranial Doppler Detection of Cerebrovascular Lesions in Sickle Cell Disease. Abstract presented to American Academy of Neurology Annual Meeting, New York, NY, 1987.

Adams RJ. Plasma Lipoproteins and Apoproteins in Cortical Versus Lacunar Stroke. Abstract presented to American Academy of Neurology Annual Meeting, New York, NY, 1987.

Adams RJ. Use of NMR in Investigation of Childhood Stroke. Course taught at the American Society of Neuroimaging Meeting, Tampa, FL, 1987.

Adams RJ. Stroke in Sickle Cell Anemia. Neurology Grand Rounds, University of South Alabama, Mobile, AL, 1988.

Adams RJ. Transcranial Doppler in Children: Interarterial Velocity Relationships in Normal and Sickle Cell Anemia. Abstract presented to American Academy of Neurology Annual Meeting, Cincinnati, OH, 1988.

Adams RJ. Changes in Cerebral Blood Flow, Cardiac Output, and Hematocrit with Hypervolemic Hemodilution. Abstract presented to American Academy of Neurology Annual Meeting, Cincinnati, OH, 1988.

Adams RJ. Transcranial Doppler: Analysis of MCA Pulsatility Index in Children. Abstract presented to American Academy of Neurology Annual Meeting, Chicago, IL, 1989.

Adams RJ. Transcranial Doppler: Clinical Utility in the Evaluation of Patients with Atherosclerotic Cerebrovascular Disease. Abstract presented to American Academy of Neurology Annual Meeting, Chicago, IL, 1989.

Adams RJ. Neurodiagnostic Techniques in the Evaluation of Stroke in Sickle Cell Anemia. Hematology Grand Rounds, University of Southern California, Los Angeles, CA, 1989.

Adams RJ. Stroke in Sickle Cell Anemia. Neurology Grand Rounds, Henry Ford Hospital, Detroit, MI, June 1990.

Adams RJ. Use of Transcranial Doppler in Sickle Cell Disease. Neurology Grand Rounds, Emory Clinic, Emory University, Atlanta, GA, 1990.

Adams RJ. Transcranial Doppler, New Technology for Evaluation and Management of Cerebrovascular Disease. Presented at 1st Portland Conference on Management Issues of Acute Stroke, Oregon Health Sciences University, Portland, OR, 1990.

Adams RJ. Transcranial Doppler, Effect of Transfusion in Sickle Cell Anemia. Presented at 4th International Symposium on Intracranial Hemodynamics, Orlando, FL, 1990.

Adams RJ. Transcranial Doppler, Clinical Applications. Neurology Grand Rounds. University of Illinois Medical Center, Peoria, IL, 1990.

Adams RJ. Magnetic Resonance Detection of Major Intracranial Vessel Abnormalities in Sickle Cell Disease. Abstract presented to American Neurological Association Meeting, Atlanta, GA, 1990.

Adams RJ. Apoprotein E Phenotype Differences in Cortical vs. Lacunar Stroke. Abstract presented to American Academy of Neurology Annual Meeting, Miami Beach, FL, 1990.

Adams RJ. Transcranial Doppler: Uses in Neurology. Neurology Grand Rounds, Albert Einstein School of Medicine, New York, 1990.

Adams RJ. Clinical Applications of Transcranial Doppler. Presented at the American Academy of Neurology Meeting, Boston, MA, 1991.

Adams RJ. Transcranial Doppler (TCD) Detection of Asymptomatic Cerebrovascular Disease in Sickle Cell Anemia (HbSS). Abstract presented at the American Academy of Neurology Meeting, Boston, MA, 1991.

Adams RJ. Genetic Markers of Stroke Risk in Sickle Cell Disease. Abstract presented at the American Academy of Neurology Meeting, San Diego, CA, 1992.

Adams RJ. Stroke in Children. International Congress of Cardiology, Orlando, FL, 1992.

Adams RJ. Invited discussant, 18th Princeton Conference, Detroit, MI, 1992.

Adams RJ. The Clinical Indications of Transcranial Doppler. Bowman Gray School of Medicine, Winston-Salem, NC, 1993.

Adams RJ. Transcranial Doppler in Cerebrovascular Disease. John L. McClellan Memorial Veterans Hospital, Little Rock, AR, 1993.

Adams RJ. Neurological Complications of Sickle Cell Disease. Pediatric Grand Rounds. Children's Medical Center of Brooklyn, NY, 1993.

Adams RJ. Stroke in Sickle Cell Disease. Grand Rounds. Morehouse School of Medicine and Emory University, Atlanta, GA, 1994.

Adams RJ. Invited discussant, 19th Princeton Conference, Boston, MA, 1994.

Adams RJ. Magnetic Resonance Angiography (MRA) in Sickle Cell Disease (HbSS). Abstract presented at the American Academy of Neurology Meeting, New York, 1994.

Adams RJ, Carl EM, Nichols FT, McKie VC, Zhang, DL, Litaker M. Improving TCD Criteria for Stroke Prediction in Sickle Cell Disease. Presented at the Institute of Applied Physiology & Medicine, San Diego, CA, 1994.

Adams RJ. How to Use Transcranial Doppler Ultrasound. Presented at American Heart Association 67th Scientific Session, Dallas, TX, 1994.

Adams RJ. Sickle Cell Disease: Neurological Complications. Presented at Bela Schick Symposium, The Brookdale Hospital Medical Center, New York, 1994.

Adams RJ. Do Asymptomatic Brain Lesions Predict Stroke in Children with Sickle Cell Disease? Abstract presented at the American Academy of Neurology Meeting, Seattle, WA, 1995.

Adams RJ. Cardiovascular Health: State Issues. Presented at The Annual Stroke and Heart Attack Prevention Program and Diabetes Control Program Conference, Savannah, GA, 1995.

Adams RJ. Update on Stroke. Presented at the First District Medical Society of Georgia Annual Meeting, Statesboro, GA, 1995.

Adams RJ. Medical Therapy of TIAs. Presented at The Third Annual Neurology Symposia "Advances in the Diagnosis and Management of TIAs, Sleep Disorders, Back Pain, and Dizziness." Sponsored by Duke University, Hilton Head, SC, 1995.

Adams RJ. Cardiovascular Disease Intervention from a National Perspective. Presented at The

American Heart Association of South Carolina 20th Annual Conference on Cardiovascular Health, Charleston, SC, 1995.

Adams RJ. Neurological Complications of Sickle Cell Disease. Presented at The 3rd Annual Update on Therapy for Sickle Cell, New Orleans, LA, 1995.

Adams, R.J. Stroke Treatment and Prevention. Old Issues and New Questions. Presented at The 3rd Annual Update on Therapy for Sickle Cell Disease. Tulane University Medical Center, New Orleans, LA, 1995.

Adams RJ. Neurologic Complications. Presented at The Newborn Screening and Pediatric Management of Sickle Cell and Other Hemoglobinopathies Seminar. Sponsored by Emory University, Atlanta, GA, 1995.

Adams RJ. Neurological Complications of Sickle Cell Disease presented at the Bela Schick Symposium of Brookdale Hospital, Brooklyn, New York, NY, 1995.

Adams RJ. Neurological Complications of Sickle Cell Disease. Grand Rounds at St. Jude Children's Research Hospital, Memphis, TN, 1996.

Adams RJ. Practical Algorithms for Stroke Management and Diagnosis and Treatment of Vertebrobasilar Disease. Presented at Alta Bates Medical Center Stroke Conference, Berkeley, CA, 1996.

Adams RJ. Stroke Prevention Trial in Sickle Cell Anemia (STOP). Presented at the 21st Annual Meeting of the National Sickle Cell Disease Program, Mobile, AL, 1996.

Adams RJ. Invited discussant, 20th Princeton Conference, Memphis, TN, 1996.

Adams RJ, Brambilla DJ, Stroke Prevention Trial in Sickle Cell Anemia: "STOP": A Clinical Trial In Cooperation with the National Institutes of Health/Sickle Cell Branch Presented at the American Heart Association 21st International Joint Conference on Stroke and Cerebral Circulation, San Antonio, TX 1996.

Adams RJ. Telemedicine, a Neurologist's Perspective, presented as part of the Clinical Utilization Panel at the Second Annual Georgia Statewide Telemedicine Program Conference, Macon, GA, 1996.

Adams RJ. Issues in Cerebrovascular Disease Research presented to the NIH Workshop: "Current Approaches to the Treatment of Sickle Cell Disease", Washington, DC, 1996.

Adams RJ. Stroke in the Young. Presented at The Update on Stroke Diagnosis and Treatment. Sponsored by Duke University, Hilton Head, SC, 1996.

Adams RJ. Stroke Prevention Trial in Sickle Cell Anemia (STOP) presented to the Sickle Cell Advisory Committee of the Blood Division of the National Heart Lung Blood Institute, National Institutes of Health, Bethesda, MD, 1996.

Adams RJ. Prospective Study of Transcranial Doppler Prediction of Stroke in Children with Sickle Cell Disease. Abstract presented at the American Academy of Neurology Meeting, San Francisco, CA, 1996.

Adams RJ. Clinical Sciences/Treatment Strategies. Presented at the National Sickle Cell Meetings, Mobile, AL, 1996.

Adams RJ, McKie VC, Files B, Vichinsky E, Abboud M, Hsu L, Pegelow C, Woods G, Miller S, Wang W, Olivieri N, Berman B, Hurler A, Driscoll C, Scher C, Brambilla DJ, Wright E, Nichols FT. Stroke Prevention in SCA (STOP): Results of Transcranial Doppler Ultrasound Screening Stroke Risk. Presented at the 25th Anniversary Meeting of the National Sickle Cell Program, Bethesda, MD, 1997.

Adams RJ, Brambilla DJ, McKie VC, Files B, Vichinsky E, Abboud M, Hsu L, Pegelow C, Woods G, Miller S, Wang W, Olivieri N, Berman B, Hurler A, Driscoll C, Scher C, Wright E, Gallagher D, Carl EM, Nichols FT, Kutlar A, Zimmerman R. Stroke Prevention in SCA (STOP): Baseline Characteristics of Trial Patients. Presented at the 25th Anniversary Meeting of the National Sickle Cell Program, Bethesda, MD,

1997.

Adams RJ, Brambilla DJ, McKie VC, Files B, Vichinsky E, Abboud M, Hsu L, Pegelow C, Woods G, Miller S, Wang W, Olivieri N, Berman B, Hurllet A, Piomelli S, Driscoll C, Scher C, Wright E, Zimmerman R, Carl EM, Nichols FT, Kutlar A, Roach S, Gallagher D. Stroke Prevention in Sickle Cell Disease (STOP): Follow Up After Closure of the Trial. Presented at the American Society of Hematology Meeting, Miami, FL, 1998.

Adams RJ, Brambilla D, Vichinsky E, Abboud M, Pegelow C, Carl EM, Nichols F, Jones A, Roach S, Gallagher D, Hagner S, Granger S. Stroke Prevention Trial in Sickle Cell Anemia (STOP Study): Risk of Stroke in 1933 Children Screened with Transcranial Doppler (TCD). Presented at the 24th International American Heart Association Conference on Stroke and Cerebral Circulation, Nashville, TN, 1999.

Adams RJ. "Big Strokes in Small Persons, the Sickle Cell Disease Story". The Presidents Lecture of the American Academy of Neurology. San Diego California, April 3, 2006.

PRESENTATIONS AT INTERNATIONAL MEETINGS

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Robert J. Adams, MS, MD, FAHA, Chair; Greg Albers, MD; Mark J. Alberts, MD, FAHA; Oscar Benavente, MD; Karen Furie, MD, MPH, FAHA; Larry B. Goldstein, MD, FAHA, FAAN; Philip Gorelick, MD, MPH, FAHA, FAAN; Jonathan Halperin, MD, FAHA; Robert Harbaugh, MD, FACS, FAHA; S. Claiborne Johnston, MD, PhD; Irene Katzan, MD, MS, FAHA; Margaret Kelly-Hayes, RN, EdD, FAHA; Edgar J. Kenton, MD, FAHA, FAAN; Michael Marks, MD; Ralph L. Sacco, MS, MD, FAHA, FAAN; Lee H. Schwamm, MD, FAHA. Update to the AHA/ASA Recommendations for the Prevention of Stroke in Patients With Stroke and Transient Ischemic Attack. **Stroke**. 2008 May;39(5):1647-52.

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TRAINEES

Trainee Name	Training Description	Training Period	Prior Degrees	Title of Research Project	Current Position
Rorick M	Stroke Fellow	1982-1988	MD	Intracranial TCD* and Stroke	MD
Cleary A	Medical Student	1985	BS	TCD* in SCD**	MD
McNair N	Resident	1986	MD	Lipids in Stroke	MD
Hess D	Stroke Fellow	1986	MD	Training in Stroke Fellowship	MD, Chair of Neurology
Zhang DL	Post Doc	1988-1992	MD	TCD* in SCD**	PhD
Perry R	Post Doc	1992-1994	PhD	Homocysteine	MD, PhD
Beasley M	Mentorship	1995-1998	BS	TCD* Performance	DO
Bowman L	Mentorship	1996-1999	BS	TCD* in Babies	RN
McMorrow A	Medical Student	1997	MD	Stroke in SCD**	MD
Brock K	Nurse	1997	BS, RN	SCD** Treatment	BS, RN
Poplick H	Nurse	1997	BS, RN	SCD** Treatment	BS, RN
Hyder S	Stroke Fellow	1998-1999	MD	Training in Stroke	MD, Dir Str Center
Ramsing D	Mentorship	1998-2003	BS	Genomics of SCD**	MD
Jones A	Nurse	1998-2004	BS, RN, SVT	TCD* in SCD**	BS, RN, SVT
Tillman I	Nurse	1999	BS, RN	SCD** Treatment	RN
Lee S	Research Fellow	2001-2002	MD	Internet Stroke Consultation	MD
Hall C	Resident	2002	MD	SCD** Treatment	MD, Assoc Prof Neurol
Wang S	Research Fellow	2002-2004	BS	Telestroke	MD
Mehta S	Resident	2003	MD	SCD** Treatment	MD, Asst Prof Neurol
Purdue C	Nurse	2004	BS	Telestroke	BS
Switzer J	Stroke Fellow	2004-2005	MD	Telestroke	MD Asst Prof Neurology
Lezcano N	Post Doc	2005-2006	PhD	SCD**	Phd, MD (2010)
Valadi N	Research Fellow	2005-2006	MD	TCD* in Adults	MD
Gebayohans M	Minority Stroke Fellow	2006	MD	Stroke in Children	MD Dir Str Center
Anderson E	Minority Research Student	2006 (Summer)	BS	Cost of Stroke in Georgia	MD
Swearington C	PhD Candidate	2007-	MS	Imaging Analysis of Stroke	MS
Koval K	Medical Summer Student	2008	BS	Stroke in SCD**	BS
Howard V	PhD Candidate	2008-	MS	Birth Weight and Stroke	Ph D
Johnson-Williams M	Medical Student T32 SPTCR	2008-	BS	Multivariate TCD* Model	BS

*Transcranial Doppler

**Sickle Cell Disease

GUEST PROFESSOR

Cardiovascular Disease Epidemiology Class, Medical University of South Carolina. ***Sickle Cell Disease and Cardiovascular Disease Risk.*** 2008 October 20.

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