

**Marc Ivor Chimowitz**

Titles and Affiliations:

Academic appointments:

Professor and University Eminent Scholar, Department of Neurosciences, Division of Neurology, Medical University of South Carolina, 3/2008

Professor (with tenure), Department of Neurology, Emory University Hospital, 1999-

Director, Stroke Program, Emory University, 1995-2004

Director, Stroke Fellowship Training Program (ACGME accredited), Department of Neurology, Emory University 1996 -

Director, Clinical Research Core Committee, Department of Neurology, Emory University 2005-

Clinical appointments:

Director of Stroke Service and Transcranial Doppler Ultrasound Laboratory, Department of Neurology, Emory University Hospital, 1995-

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Licensures/Boards:

Massachusetts Physician License Registration  
Michigan Physician License Registration  
Georgia Physician License

Diplomate, American Board of Psychiatry and Neurology, 1989-present.

Part I - Neurology minor 95th percentile  
Neurology major 92nd percentile

Part II - Pass

## Education:

University of Cape Town, South Africa. 1973-1975, B.Sc.(Mathematics)

University of Cape Town, South Africa. 1976-1981.  
School of Medicine, M.B., Ch.B.

University of Cape Town, South Africa. 1979.  
B.Sc.(Honours) in Applied Mathematics

## Postdoctoral Training:

Flexible Internship, Groote Schuur Hospital,  
Cape Town, South Africa, 1982

Research Fellowship, Laboratory of Computer Science,  
Massachusetts General Hospital, Boston, Massachusetts, 1983-1984

Intern in Medicine, Carney Hospital,  
Dorchester, Massachusetts, 1984-1985

Resident in Neurology, Tufts-New England Medical Center,  
Boston, Massachusetts, 1985-1988

Cerebrovascular Fellowship, Cleveland Clinic Foundation,  
Cleveland, Ohio, 1988-1990

## Previous Academic and Professional Appointments:

Associate Professor (with tenure), Department of Neurology, Emory University, 1995-1999

Assistant Professor, Department of Neurology, University of Michigan, 1990-95

Staff Neurologist, University of Michigan Medical Center and VA Medical Center, Ann Arbor, Michigan, 1990-95

Director, Cerebrovascular Program and Transcranial Doppler Ultrasound Laboratory,  
Department of Neurology, University of Michigan, 1991-95

## Administrative Appointments:

### Institutional:

Program Directors Committee, Department of Neurology, Emory University, 2000 – 2004

Executive Committee, Department of Neurology, Emory University, 2002 – 2004

Faculty Development Committee, Department of Neurology, Emory University, 2004 –

Appointments and Promotions Committee, Department of Neurology, Emory University, 2003 – 2004

Space Committee, Department of Neurology, Emory University, 2000

Advisory Committee for the Emory University Clinical Research Center 2000 – 2001

Development Committee, Department of Neurology, Emory University, 1998

Clinic Strategic Planning Group on Growing Market Share Outside of Atlanta, 1997

Five-Year Planning Committee, Department of Neurology, Emory University, 1997

Pharmacy and Therapeutics Committee, VAMC, Ann Arbor. 1991-1993

Research and Development Committee, VAMC, Ann Arbor. 1993-94

Regional / National:

American Stroke Association (ASA) Stroke Council – Medical Student Scholarship Committee 2001 - 2003 (Chairman 2003), 2007

American Stroke Association (ASA) Stroke Council Leadership Committee 2003 – 2005

American Heart Association of Michigan, Stroke Committee. 1991-94

Manuscript reviewer:

Lancet  
Annals of Neurology  
Archives of Neurology  
Neurology  
Brain  
Circulation  
Stroke  
Journal of Neuroimaging  
Journal of the American Geriatrics Society  
Experimental Neurology  
Journal of Stroke and Cerebrovascular Diseases  
Journal of the Neurological Sciences

Honors and Awards:

2006 Albert E. Levy Research Award to a senior Emory University faculty member who has contributed significantly to the advancement of scientific knowledge

2004 Eric Raps Lecture on "Treatment of Atherosclerotic Intracranial Stenosis: Final results of the WASID Trial", University of Pennsylvania Hospital, Philadelphia, March 4, 2004.

Selected for *Who's Who in Medicine* 2000 - 2001, 2001-2002

Selected by peers in listing of *The Best Doctors in America*, 1996-2004

2000 Mintz Lecture on "Treatment of Atherosclerotic Intracranial Stenosis", Mt. Sinai Hospital, New York May 22, 2000.

Voted one of “America’s Best Heart Doctors” (Stroke) by peers, Good Housekeeping, March 1996

Distinguished Alumnus Award, Cleveland Clinic Foundation, 1996

Duncan Baxter Scholarship for Fellowship in Lab of Computer Science, Massachusetts General Hospital, 1983

James T. Louw Certificate for Obstetrics and Gynecology, 1979

Southern Life Prize for the Best Honours Student in Applied Mathematics, 1979

B.Sc (Honours) Applied Mathematics awarded with distinction, 1979

Harry Croxley Scholarship for postgraduate training in Applied Mathematics, 1979

B.Sc. (Mathematics) awarded with distinction, 1975

Zimbabwe Government Scholarship (based on academic achievement) to study for B.Sc., 1973-1975

#### Society Memberships:

American Academy of Neurology, 1987-

American Medical Association, 1988-98

Fellow of the American Heart Association Stroke Council, 1991-

#### Grant Support:

##### Active support:

Principal Investigator. Warfarin-Aspirin Symptomatic Intracranial Disease (WASID) Study. A Multicenter Trial. NIH 1 R01 NS36643 (\$14,992,024) 1998 – 2007 (trial completed but still receiving support on a no-cost extension for secondary papers)

Principal Investigator. Mid-Career Investigator Award for Mentoring and Patient-Oriented Research. NIH. 1 K24 NS050307-01. (\$696,776) 2004 - 2009

Principal Investigator. A Multicenter Registry to Evaluate Stenting for High-Risk Patients with Intracranial Stenosis. NIH 1 R01 NS051688-01. (\$378,408) 2006.

##### Pending Review:

Principal Investigator. Stenting and Aggressive Medical Management for Preventing Recurrent stroke in Intracranial Stenosis, a multicenter, randomized clinical trial. NIH

### Teaching Activities:

Lecturer. Neuroscience Course to 1<sup>st</sup> and 2<sup>nd</sup> year medical students (Cerebrovascular Disease), Emory University, 1995 –

Staff Neurologist, Emory University Hospital, 1995 - . Teaching fellows, residents and medical students in both outpatient and inpatient settings

Lecturer, Neuroscience sequence (Cerebral Blood Flow, Cerebrovascular Disease), University of Michigan; 1994-95

Lecturer, Neural and Behavioral Sciences 600, University of Michigan; 1991-93

Staff Neurologist, VA Medical Center and University of Michigan Medical Center , 1990-95; Teaching residents and medical students in both outpatient and inpatient settings

### Supervisory Training:

Owen Samuels MD 1996-1997 (Stroke Fellow)

Yousef Mohammed MD, Richard Seestedt MD 1997-99 (Stroke Fellows)

Abdul Khan MD 1999 (Stroke Fellow)

Atta Rheman MD (1999 – 2001), A.J. Arora (2000 – 2001) (Stroke fellows)

Salina Waddy MD (2001 – 2002) (Stroke Fellow)

Monica Burke DO (2002-2004), D. Borland DO (2002-2003) (Stroke Fellows)

Asad Ehtisham MD (2003-2004) (Stroke Fellow)

Tanya Turan MD, Bolanle Famakin MD (2004-2005) (Stroke Fellows)

Timothy Upchurch MD, Lucian Maidan (2005 – 2006) (Stroke Fellows)

Timothy Upchurch MD, Samuel Tsappidi (2006-2007) (Stroke Fellows)

### Faculty Mentorship and Faculty Awards:

Michael Benatar MBChB, recipient of ALSA and AAN clinical research award 2006-2008 (Mentor - Dr. Chimowitz)

Tanya Turan MD, recipient of AAN clinical research fellowship award 2007-2009 (Mentor - Dr. Chimowitz)

### Lectureships, Seminar Invitations, and Visiting Professorships:

Michigan State Medical Society: "Stroke prevention in patients with Carotid Disease", November 1990

Michigan State University, Coagulation Seminar: "Fibrinolytic therapy for acute ischemic stroke", December 1991

Blood Coagulation Conference, Michigan State University: "Systemic Thrombolysis in Acute Occlusive Cerebrovascular Disease", May 1992

Geriatric Research Education and Clinical Center Conference on Critical Clinical Issues in the Elderly: "Pharmacologic Approaches to Stroke in the Elderly", Ann Arbor, September 1992

Visiting Professor, Loyola University, Chicago. Grand Rounds Presentation: "Thrombolytic Therapy for Acute Ischemic Stroke", November 1992

University of New Mexico. Grand Round Presentation: "An Update on Stroke Prevention", June 1993

Michigan Neurological Association, Panel Discussion: "Issues in Stroke Management", Detroit, November 1993

Distinguished Alumnus Guest Lecture: "Atherosclerotic Intracranial Occlusive Disease", Cleveland Clinic Foundation, May 22, 1996

University of Michigan Advances in Internal Medicine: "Stroke in the 1990's", Ann Arbor, MI April 1997

Visiting Professor, University of Michigan. Presentation: "Intracranial Atherosclerosis", Ann Arbor, MI, April 1997

Medical College of Georgia, Augusta. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", March 4, 1999

Visiting Professor, University of Miami. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", May 14, 1999

Invited Speaker, San Diego Neurological Society, "Update on Prevention and Treatment of Stroke", May 20, 1999

University of California, San Diego. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", May 21, 1999

Invited Speaker, Mobile Neurological Society, "Treatment of Atherosclerotic Intracranial Stenosis", June 9, 1999

University of South Alabama, Mobile. Grand Round Presentation: "Update on Prevention and Treatment of Stroke", June 10, 1999

Evanston Hospital, Chicago. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", June 21, 1999

Syracuse University. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", August 25, 1999

University of Buffalo. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", August 26, 1999

University of Rochester. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", August 27, 1999

Stanford University. Stroke Seminar Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", October 11, 1999

Beth Israel Hospital, Boston. Stroke Seminar Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", December 22, 1999

Indiana University. Stroke Seminar Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", March 15, 2000

Long Island Jewish Hospital. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", May 23, 2000

Roosevelt – St Lukes Hospital. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", May 24, 2000

New England Medical Center. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", July 13, 2000.

Visiting Professor, Vancouver General Hospital. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", Nov 29 , 2000.

Invited Speaker, Bay Area Stroke Society. "Treatment of Atherosclerotic Intracranial Stenosis", Nov 30 , 2000.

Johns Hopkins University. Stroke Seminar Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", Feb 1, 2001

University of Pittsburgh. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", Feb 28, 2001

University of Michigan Medical Center. Grand Round Presentation: "So You Want To Run a Clinical Trial", March 6, 2002

Henry Ford Hospital. Stroke Seminar. "Treatment of Atherosclerotic Intracranial Stenosis", March 7, 2002

Wayne State University. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", March 8, 2002

University of Buffalo. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis", August 19, 2004

University of North Carolina. Grand Round Presentation: "Treatment of Atherosclerotic Intracranial Stenosis – Final Results of the WASID Trial", September 22, 2004

The Society for Cardiac Angiography and Interventions Core Curriculum in Carotid Stenting Meeting, San Francisco, April 7-9, 2005. Neurological Assessment in Patients Undergoing Carotid Stenting.

Methodist Hospital, Baylor Medical School. Neurovascular Grand Rounds. Optimal Treatment of Intracranial Stenosis: Aspirin, Anticoagulation, or Stenting? December 17, 2005

The Georgia Neurological Society Annual Meeting. Optimal Treatment of Intracranial Stenosis: Aspirin, Anticoagulation, or Stenting? February 26, 2006

Northwestern University Medical School. Neurology Grand Rounds. Optimal Treatment of Intracranial Stenosis: Aspirin, Anticoagulation, or Stenting? March 21, 2006

Invitations to National or International Conferences:

American Academy of Neurology Course: "Challenging Cases: The Diagnostic Process", San Diego, May 1992

American Academy of Neurology Course: "Neurologic Complications of Cardiac Interventions", San Diego, May 1992

American Academy of Neurology Course: "Neurologic Complications of Cardiac Interventions", New York, April 1993

American Academy of Neurology Course: "Neurologic Complications of Cardiac Interventions", Washington D.C. May 1994

American Heart Association Conference on Stroke: "Secondary Stroke Prevention in the 1990s", Ann Arbor, October, 1994

American Heart Association Conference on Stroke, Panel Discussion: "Thrombolytic Therapy for Acute Stroke", Ann Arbor, October, 1994

American Academy of Neurology Course: "Neurologic Complications of Cardiac Interventions", Seattle, May 1995

Heart and Brain 3rd International Conference on Stroke: "Neurological Complications of Cardiac Surgery", Prague, Czech Republic, October 1995

Chairman, Scientific session on transesophageal echocardiography and cardioembolism. Heart and Brain 3rd International Conference on Stroke Prague, Czech Republic, October 1995

American Academy of Neurology Annual Meeting: "Intracranial Atherosclerotic Cerebrovascular Disease: Diagnosis and Management", as part of course on TIAs and Related Syndromes, Boston, April 1997

Faculty Panel American Academy of Neurology Meeting on "Acute Stroke Management Workshop, Atlanta, GA. March 28, 1998

American Academy of Neurology Annual Meeting: "Intracranial Atherosclerotic Cerebrovascular Disease: Diagnosis and Management", as part of course on TIAs and Related Syndromes, Minneapolis, April 1998

Invited speaker at conference on "Brain Attack" at University of Florida, "Stroke Prevention in the 1990s", Jacksonville, June 1998.

American Heart Association Conference on Stroke: "Secondary Stroke Prevention", Birmingham, Alabama, May 18, 2000

American College of Physicians – American Society of Internal Medicine Annual Meeting: “Update on Stroke Therapy”, Atlanta, Georgia, March, 2001

American Academy of Neurology Annual Meeting: "Intracranial Atherosclerotic Cerebrovascular Disease: Diagnosis and Management", as part of course on TIAs and Related Syndromes, Philadelphia, May 2001

American Academy of Neurology Annual Meeting: "Stroke – Treatment of Intracranial Arterial Stenosis", as part of course “The Final Answer II, Philadelphia, May 2001

27<sup>th</sup> International Stroke Conference: “Medical Treatment / WASID Trial for Intracranial Stenosis”, San Antonio, Feb 2002

3<sup>rd</sup> Annual Antithrombotic Therapy Meeting: “Antithrombotic Strategies in Stroke”, Dearborn, Michigan, March 6, 2002

American College of Cardiology, 51<sup>st</sup> Annual Scientific Session: “Optimum Anticoagulation for Stroke” in session on Role of the Cardiovascular Specialist in Stroke Prevention, Atlanta, Georgia, March 20, 2002

American Academy of Neurology Annual Meeting: "Intracranial Atherosclerotic Cerebrovascular Disease: Diagnosis and Management", as part of course on TIAs and Related Syndromes, Denver, April 2002

The 33rd Scandinavian Neurology Congress & The 2nd Scandinavian Congress of Neurological Nursing: “Optimal Therapy for Intracranial Arterial Stenosis: Antiplatelet agents, Anticoagulation or Angioplasty?”, Reykjavík, Iceland, May 31, 2002.

28<sup>th</sup> International Stroke Conference: “Posterior Fossa Intracranial Atherosclerosis: The Disease”. Phoenix, Feb 2003

1<sup>st</sup> International Conference on Intracranial Atherosclerosis, Scientific Planning Committee, Hong Kong, October 8-10, 2004. Also delivered a paper on Warfarin vs. Aspirin for Symptomatic Intracranial Disease

VIII Congress of World Federation of Interventional and Therapeutic Neuroradiology, Venice, Italy. October 19-22, 2005. “Predictors of Stroke in the Territory of a Stenotic Intracranial Artery”.

Co-Chair, Scientific Session on Intra- and Extracranial Atherosclerotic Disease, 2006 American Academy of Neurology Annual Meeting, San Diego, April 5, 2006

Tiantan International Stroke Conference, “Antithrombotic Therapy for Intracranial Arterial Stenosis”, Beijing, June 2006.

Tiantan International Stroke Conference, “Predictors of Stroke in the Territory of a Stenotic Intracranial Artery”, Beijing, June 2006.

2<sup>nd</sup> International Conference on Intracranial Atherosclerosis, “Risk factors and Outcome in Patients with Intracranial Arterial Stenosis”, San Francisco, August 12, 2006

2<sup>nd</sup> Mid-West Stroke Conference, “Antithrombotic Therapy for Intracranial Arterial Stenosis”, The Dells, Wisconsin, September 16, 2006

LINC Course on Endovascular Neuroradiology. "Medical Treatment of Intracranial Atherosclerosis / WASID Trial", Houston TX, October 15, 2006.

American Academy of Neurology Annual Meeting, "Intracranial Atherosclerotic Disease: Angioplasty and Stenting", Boston MA, April 29, 2007

Other activities:

Examiner for American Board of Psychiatry and Neurology. 1993, 1994

Bibliography:

Articles on Original Research in Refereed Journals:

1. Chimowitz MI, Mare N, Beighton P: A computerized genetic record system. SA Medical Journal 1984; 65:206-209.
2. Chimowitz MI, Pessin MS: Is there a role for heparin in the management of the complications of subarachnoid hemorrhage? Stroke 1987; 18:1169-1172.
3. Pessin MS, Chimowitz MI, Levine SR, Kwan ES, Adelman LS, Earnest MP, Clark DM, Chason J, Ausman JI, Caplan LR: Stroke in patients with fusiform vertebrobasilar aneurysms. Neurology 1989; 39:16-21.
4. Chimowitz MI, Little JR, Awad IA, Sila CA, Kosmorsky G, Furlan AJ: Intracranial hypertension associated with unruptured cerebral arteriovenous malformations. Ann Neurol 1990;27:474-479.
5. Chimowitz MI, Furlan AJ: Resolution of psychotic depression after right temporal-parietal infarction. J Nerv Ment Dis 1990; 178: 458-459.
6. Chimowitz MI, Logigian EL, Caplan LR: The accuracy of bedside neurological diagnoses. Ann Neurol 1990; 28:78-85.
7. Chimowitz MI, LaFranchise F, Furlan AJ, Awad I: Ipsilateral leg weakness associated with carotid stenosis. Stroke 1990; 21:1362-1364.
8. Chimowitz MI, Furlan AJ, Nayak S, Sila CA: The mechanisms of stroke in patients taking aspirin. Neurology 1990;40:1682-1685.
9. Chimowitz MI, Barnett SH, Palmer J: Treatment of intractable arterial hemorrhage during stereotactic brain biopsy with thrombin. Journal of Neurosurgery 1991; 74:301-303.
10. Nemecek JJ, Davison MB, Marwick TH, Chimowitz MI, et al: Detection and evaluation of intrapulmonary vascular shunt using "contrast doppler" transesophageal echocardiography. Journal of American Society of Echo 1991; 4:79-83.
11. Estes ML, Chimowitz MI, Ratliff NB, et al: Sclerosing vasculopathy of the central nervous system in non-elderly demented patients. Arch Neurol 1991; 48:631-636.
12. Chimowitz MI, Lafranchise F, Furlan AJ, et al: Evaluation of coexistent carotid and coronary disease by combined angiography. Journal of Stroke and Cerebrovascular Disease. 1991;1:89-93.

13. Chimowitz MI, Furlan AJ, Sila CA, et al: Etiology of motor or sensory stroke. A prospective study of the predictive value of clinical and radiologic features. *Ann Neurol* 1991;30:519-525.
14. Chimowitz MI, Nemec J, Marwick T, Lorig RJ, Furlan AJ, Salcedo EE: Transcranial Doppler ultrasound identifies patients with right to left cardiac or pulmonary shunts. *Neurology* 1991;41:1902-1904.
15. Nemec JJ, Marwick TH, Lorig RJ, Davison MB, Chimowitz MI, Litowitz H, Salcedo EE: Comparison of transcranial Doppler ultrasound and transesophageal contrast echocardiography in the detection of interatrial right-to-left shunts. *Am J Cardiol* 1991;68:1498-1502
16. Chimowitz MI, Estes ML, Furlan AJ, Awad IA: Further observations on the pathology of subcortical lesions identified on magnetic resonance imaging. *Arch Neurol* 1992; 49:747-752
17. Chimowitz MI, Furlan AJ, Jones SC, Sila CA, Lorig RJ, Paranadi L, Beck GJ: Transcranial Doppler assessment of cerebral perfusion reserve in patients with carotid occlusive disease and no evidence of cerebral infarction. *Neurology* 1993; 43:353-357
18. Chimowitz MI, De Georgia MA, Poole RM, Hepner A, Armstrong WF: Left atrial spontaneous echo contrast is highly associated with previous stroke in patients with atrial fibrillation or mitral stenosis. *Stroke* 1993; 24:1015-1019.
19. Cohen SN, Hobson RW, Weiss DG, Chimowitz MI for VA Cooperative Study Group 167: Mortality associated with carotid stenosis: Long-term clinical evaluation. *Journal of Vascular Surgery* 1993; 18:1002-11.
20. Chimowitz MI, Weiss DG, Cohen SN, Starling M, Hobson RW, for VA Cooperative Study Group 167: Cardiac prognosis of patients with carotid stenosis and no history of coronary artery disease. *Stroke* 1994;25:759-765.
21. De Georgia MA, Chimowitz MI, Hepner A, Armstrong WF: Right atrial spontaneous contrast: Echocardiographic and clinical features. *International Journal of Cardiac Imaging* 1994; 10:227-232.
22. Greenfield LJ Jr, Chimowitz MI, Quint DJ, Wakefield TW: Contralateral reperfusion injury after carotid endarterectomy. *J Stroke and Cerebrovascular Dis* 1994; 4:203-206
23. Chimowitz MI, Kokkinos P, Strong J, et al for the Warfarin- Aspirin Symptomatic Intracranial Disease Study Group. The warfarin - aspirin symptomatic intracranial disease (WASID) study. *Neurology* 1995;45:1488-1493.
24. Chimowitz MI, RM Poole, Starling MR, et al. Frequency and severity of asymptomatic coronary disease in patients with different causes of stroke. *Stroke* 1997; 28:941-945.
25. The Warfarin-Aspirin Symptomatic Intracranial Disease (WASID Study Group (Principal investigator Chimowitz MI) . Prognosis of Patients with Symptomatic Vertebral or Basilar Artery Stenosis. *Stroke* 1998; 29:1389-1392.
26. Samuels OB, Joseph GJ, Lynn MJ, Smith HA, Chimowitz MI: A standardized method for measuring intracranial stenosis. *Am J Neuroradiol* 2000 21:643-6.

27. Austin H, Chimowitz MI, Hill HA et al. For the Genetics and Stroke in the Young Study Group. Cryptogenic Stroke in Relation to Genetic Variation in Clotting Factors and other Genetic Polymorphisms among Young Men and Women. *Stroke* 2002; 33:2762-2769.
28. The Warfarin Aspirin Symptomatic Intracranial Disease (WASID) Trial Investigators. Design, Progress and Challenges of a Double Blind Trial of Warfarin versus Aspirin for Symptomatic Intracranial Arterial Stenosis. *Neuroepidemiology* 2003; 22:106-117. (Chimowitz MI Principal Investigator).
29. Adams R J, Chimowitz MI, Alpert JS, et al. Coronary Risk Evaluation in Patients With Transient Ischemic Attack and Ischemic Stroke. A Scientific Statement for Healthcare Professionals from the Stroke Council and Council on Clinical Cardiology, American Heart Association/American Stroke Association. *Circulation*. 2003;108(10):1278-90. (Also published in *Stroke*. 2003 Sep;34(9):2310-22.)
30. The Stroke Outcomes and Neuroimaging of Intracranial Atherosclerosis (SONIA) Trial Investigators. Stroke Outcomes and Neuroimaging of Intracranial Atherosclerosis (SONIA): Design of a Prospective, Multi-center Trial of Diagnostic Tests. *Neuroepidemiology* 2004; 23:23-32. (On Steering Committee of Trial)
31. SSYLVIA Study Investigators. Stenting of Symptomatic Atherosclerotic Lesions in the Vertebral or Intracranial Arteries (SSYLVIA): study results. *Stroke* 2004; 35(6):1388-92. (On Executive Committee of Trial)
32. Ehtisham A, Chimowitz MI. A clinical example of the "limping brain syndrome". *AJNR* 2005; 26:1521-1524.
33. Ehtisham A, Chimowitz MI, Furlan AJ, Lafranchise EF. Systemic risk factors associated with progression of atherosclerosis from the coronary to carotid arteries. *Journal of Stroke and Cerebrovascular Disease* 2005; 14:182-185
34. Chimowitz MI, Lynn MJ, Howlett-Smith H, et al. Comparison of warfarin and aspirin for symptomatic intracranial arterial stenosis. *N Engl J Med* 2005; 352:1305-16.
35. Kasner S, Chimowitz M, Lynn M, et al. for the Warfarin Aspirin Symptomatic Intracranial Disease (WASID) Trial Investigators. Predictors of ischemic stroke in the territory of a symptomatic intracranial arterial stenosis. *Circulation* 2006; 113:555-563.
36. Ovbiagele B, Saver JL, Lynn MJ, Chimowitz M, for the WASID Study Group. Impact of metabolic syndrome on prognosis of symptomatic intracranial atherosclerosis. *Neurology* 2006 9;66(9):1344-9.
37. Kasner S, Lynn M, Chimowitz M, Howlett-Smith H, et al. Warfarin vs. aspirin for symptomatic intracranial stenosis: subgroup analysis from WASID. *Neurology*. 2006 Oct 10;67(7):1275-8.
38. Williams JE, Chimowitz MI, Cotsonis GA, Lynn MJ, Waddy SP, for the WASID Study Group. Gender differences in outcomes in patients with symptomatic intracranial arterial stenosis. *Stroke*. 2007 May 31; [Epub ahead of print].

39. Turan TN, Lynn M, Cotsonis G, Chaturvedi S, Chimowitz M, for the WASID Trial Investigators. Relationship between blood pressure and stroke recurrence in patients with intracranial arterial stenosis. *Circulation*. 2007 Jun 12;115(23):2969-75.
40. Feldmann E, Wilterdink JL, Kosinski A, Lynn M, Chimowitz MI, et al. The Stroke Outcomes and Neuroimaging of Intracranial Atherosclerosis (SONIA) Trial *Neurology*. 2007 Jun 12;68(24):2099-106.
41. Ovbiagele B, Lynn M, Saver J, Chimowitz M, for the WASID Trial Investigators. Elevated White Blood Cell Count and Increased Risk for Stroke and Vascular Death in Patients with Symptomatic Intracranial Disease (In publication - *Cerebrovascular Diseases*).
42. Chaturvedi S, Turan TN, Lynn MJ, Kasner SE, Romano J, Cotsonis G, Frankel M, Chimowitz MI, for the WASID Study Group. Risk Factor Status and Subsequent Vascular Events In Patients With Symptomatic Intracranial Stenosis. (In publication – *Neurology*)

#### Invited Papers / Editorials

1. Chimowitz MI, Awad IA, Furlan AJ: Periventricular lesions on MRI: Facts and theories. *Stroke* 1989; 20:963-967.
2. Chimowitz MI, Mancini GBJ: Asymptomatic coronary disease in patients with stroke: prevalence, prognosis, diagnosis, and treatment. *Stroke* 1992; 23:433-436
3. Chimowitz MI. Warfarin or aspirin as secondary prevention of ischaemic stroke? *CNS Drugs* 1994; 2:341-346.
4. Poole RM, Chimowitz MI: Ischemic stroke and TIA: Clinical clues to common causes. *Geriatrics* 1994;49:37-42.
5. Selwa L, Chimowitz MI: Atherosclerotic intracranial large artery disease. *The Neurologist* 1995; 1:53-64.
6. Chimowitz MI: Atherosclerotic Intracranial Occlusive Disease: Diagnosis, prognosis, and treatment. *Stroke Clinical Updates*. National Stroke Association 1995; 3:9-12
7. Chimowitz MI. Asymptomatic coronary artery disease in patients with carotid stenosis: prognosis, evaluation, and treatment. *Arteres et Veines* 1996; 15:173-178.
8. Benesch C, Chimowitz MI, for the WASID investigators: Best treatment for intracranial arterial Stenosis? 50 years of uncertainty. *Neurology* 2000; 55:465-6. (Editorial)
9. Chimowitz MI. Angioplasty or stenting is not appropriate as first-line treatment of intracranial stenosis. *Arch Neurol* 2001; 58:1690 – 1692.
10. Chimowitz MI. Antithrombotic therapy for atherosclerotic intracranial arterial stenosis. *Adv Neurol*. 2003; 92:271-274.

11. Chimowitz MI for the WASID Study Group. Treatment Options for Intracranial Arterial Stenosis and Progress of Ongoing Clinical Trials. *Seminars of Neurology* 2003; 3:31-37.
12. Chimowitz MI, Kasner SE, Lynn MJ. Atherosclerotic Intracranial Arterial Stenosis: Findings from the WASID Trial and Therapeutic Implications. *Stroke Clinical Updates*. National Stroke Association. March - April 2006, Vol XVI, Issue 2

Clinical Trials (in which Dr. Chimowitz participated) Published in Refereed Journals

1. Mayberg et al. for the Veteran's Affairs Cooperative Studies Program 309 Trialist Group: Carotid endarterectomy and prevention of cerebral ischemia in symptomatic carotid stenosis. *JAMA* 1991;266:3289-3294.
2. del Zoppo GJ et al for the tPA Acute Stroke Study Group: Recombinant tissue plasminogen activator in acute thrombotic and embolic stroke. *Ann Neurol* 1992; 32:78-86
3. Wolpert SM et al and the rt-PA Acute Stroke Study Group: Neuroradiologic evaluation of patients with acute stroke treated with recombinant tissue plasminogen activator. *AJNR* 1993; 14:3-13
4. Asymptomatic Carotid Atherosclerosis Study Group. Endarterectomy for asymptomatic carotid artery stenosis. *JAMA* 1995; 273:1421-1428.
5. The WARSS Study Group. The feasibility of a collaborative double-blind study using an anticoagulant. *Cerebrovascular Diseases* 1997; 7:100-112
6. del Zoppo et al and the PROACT Investigators. PROACT: A phase II randomized trial of recombinant pro-urokinase by direct arterial delivery in acute middle cerebral artery stroke. *Stroke* 1998; 29:4-11.
7. Low-dose and high-dose acetylsalicylic acid for patients undergoing carotid endarterectomy: a randomised controlled trial. Taylor DW et al. for the ASA and Carotid Endarterectomy (ACE) Trial Collaborators. *Lancet* 1999; 353: 2179 - 2184.
8. Furlan A, et al for the PROACT Investigators. Intra-arterial prourokinase for acute ischemic stroke. The PROACT II Study: A randomized controlled trial. *JAMA* 1999; 282:2003-2011.
9. Mohr JP, Thompson JLP, Lazar RM et al for the Warfarin-Aspirin Recurrent Stroke Study Group. A comparison of warfarin and aspirin for the prevention of recurrent ischemic stroke. *N Engl J Med* 2001; 345:1444-1451.
10. Homma S, Sacco RL, Di Tullio MR, Sciacca RR, Mohr JP; PFO in Cryptogenic Stroke Study (PICSS) Investigators. Effect of medical treatment in stroke patients with patent foramen ovale: patent foramen ovale in Cryptogenic Stroke Study. *Circulation*. 2002 Jun 4;105(22):2625-31.
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