

NICOLE R. GONZALES, M.D.
Assistant Professor
Department of Neurology
University of Texas-Houston Medical School
6431 Fannin, MSB 7.118
Houston, TX 77030
713-500-7109
Nicole.R.Gonzales@uth.tmc.edu

UNDERGRADUATE EDUCATION

1990-1994 **Princeton University**, Princeton, NJ
A.B., Psychology, 1994

GRADUATE EDUCATION

1996-2000 **University of Texas Medical School**, Houston, TX
M.D., 2000

POSTGRADUATE TRAINING

2008-current **University of Texas Medical School**, Houston, TX
MS in Clinical Research

2004-2006 **University of Texas Medical School**, Houston, TX
Neurovascular Fellow

2003-2004 **University of Colorado**, Denver, CO
Chief Resident in Neurology
2001-2003 Resident Physician, Department of Neurology
2000-2001 Intern, Department of Medicine

ACADEMIC APPOINTMENTS

2006-present University of Texas Houston Medical School
Assistant Professor
Department of Neurology

HOSPITAL APPOINTMENTS

Memorial Hermann Hospital
Memorial Southwest Hospital

LICENSURE

2004 Texas State Board of Medical Examiners License (M0736)

CERTIFICATION

2005 American Board of Psychiatry and Neurology (Neurology, 53370)
2008 American Board of Psychiatry and Neurology (Vascular Neurology, 474)

PROFESSIONAL ORGANIZATIONS

2008-present Member, World Stroke Organization
2005-present Member, American Heart Association
2001-present Member, American Academy of Neurology

HONORS AND AWARDS

2009 Young Investigator's Award, University of Texas-Houston
2009 Alpha Omega Alpha, Delta Chapter
2006 Mordecai Y.T. Globus New Investigator Award,
AHA/ASA International Stroke Conference
2004-2008 NIH Loan Repayment Award for Clinical Research
1998 National Medical Fellow
1990-1994 Mary Gibbs and Jesse H. Jones Scholarship
1990-1994 Princeton University Scholarship

EDITORIAL POSITIONS

2008 Ad Hoc reviewer, The Lancet
2007 Ad Hoc reviewer, Stroke
Ad Hoc reviewer, Expert Review of Neurotherapeutics

SERVICE ON INTERNATIONAL COMMITTEES

2008-present Assistant to the Treasurer, World Stroke Organization
Ex-officio Member, World Stroke Organization Executive Committee

SERVICE ON NATIONAL COMMITTEES

2007-08 Abstract Grading Subcommittee, International Stroke Conference
2007-08 KL2-K12 ACRT Annual Meeting Planning Committee

SERVICE ON THE UNIVERSITY OF TEXAS-HOUSTON HEALTH MEDICAL SCHOOL COMMITTEES

2007, 2009 Admissions Committee

SERVICE TO THE COMMUNITY

2006 Edward James Olmos 4th Annual Houston Latino Book and Family Festival

- Organized stroke education and screening carotid doppler for Houston community

2007 Grace Community Fellowship Health Fair

- Organized stroke education and screening carotid doppler for Houston community

CURRENT TEACHING RESPONSIBILITIES

Attending Physician
UT Stroke Service
Neurovascular Fellow and Neurology Resident Lectures
Clinical Preceptor for Physical Diagnosis Course, for second year medical students

CURRENT GRANT SUPPORT

Center for Clinical and Translational Sciences
1KL2 RR024149 (Arnett, PI)
NIH/NCRR
9/30/2006 – 6/30/2011
Role: K12 Awardee

American Heart Association Clinical Research Program Award
MRI evaluation of hematoma resolution as a surrogate marker of clinical outcome in ICH
07/01/2008-06/30/2010
Role: PI

Carotid Revascularization Endarterectomy vs Stenting Trial (CREST)
NINDS R01 NS38384 (Hobson, PI)
University of Medicine and Dentistry of New Jersey
12/16/01-8/31/10
Role: Local PI

CLINICAL RESEARCH INVOLVEMENT

A Phase 1-2, Randomized, Placebo Controlled, Open-Label, Dose Escalation Study to Evaluate the Safety, Tolerability, and Activity of Ascending Single Doses of MRX-801 with Continuous Ultrasound Administration in Subjects with Acute Ischemic Stroke Receiving Treatment with IVrt-PA.
MRX-06-101-CP-01-01 (Molina, PI)
03/02/07-12/31/07
Role: Local PI

Combination Neuroprotective Modalities Coupled with Thrombolysis in Acute Ischemic Stroke: A Pilot Study of Caffeinol and Mild Hypothermia

Co-PI

MR and Recanalization of Stroke Clots Using Embolectomy (MR RESCUE)

Local Co-PI

Phase 2-B Study of Tenecteplase (TNK) In Acute Ischemic Stroke (TNK-S2B)

Local Co-PI

Phase I Study of Intravenous Thrombolysis plus Hypothermia for Acute Treatment of Ischemic Stroke - (Intravascular Cooling in the Treatment of Stroke - Longer tPA window (ICTuS-L))

Local Co-PI

Kids Identifying and Defeating Stroke (KIDS)

Co-PI

A Pilot Study to Determine the Safety of Argatroban Injection in Combination with rt-PA in Patients with Acute Ischemic Stroke

Co-PI

RESPECT TRIAL: Randomized Evaluation of Recurrent Stroke, TIA, or Peripheral Embolism Comparing PFO Closure to Establish Current Standard of Care Treatment

Local Co-PI

Future Revascularization Evaluation in patients with Diabetes mellitus: Optimal management of Multivessel disease

Local Co-PI

PUBLICATIONS

Transcranial ultrasound in clinical sonothrombolysis (TUCSON) trial. Molina CA, Barreto AD, Tsivgoulis G, Sierzenski P, Malkoff MD, Rubiera M, **Gonzales N**, Mikulik R, Pate G, Ostrem J, Singleton W, Manvelian G, Unger EC, Grotta JC, Schellinger PD, Alexandrov AV. *Ann Neurol*. 2009 Jul;66(1):28-38.

Hematoma Resolution as a Therapeutic Target: The Role of Microglia/Macrophages Xiurong Zhao, James Grotta, **Nicole Gonzales**, and Jaroslaw Aronowski *Stroke* 2009;40 S92-S94.

Thrombolytic therapy for patients who wake-up with stroke. Barreto AD, Martin-Schild S, Hallevi H, Morales MM, Abraham AT, **Gonzales NR**, Illoh K, Grotta JC, Savitz SI. *Stroke*. 2009 Mar;40(3):827-32. Epub 2009 Jan 8.

The IVH score: a novel tool for estimating intraventricular hemorrhage volume: clinical and research implications. Hallevi H, Dar NS, Barreto AD, Morales MM, Martin-Schild S, Abraham AT, Walker KC, **Gonzales NR**, Illoh K, Grotta JC, Savitz SI. *Crit Care Med*. 2009 Mar;37(3):969-74, e1.

Martin-Schild S, Hallevi H, Albright KC, Khaja AM, Barreto AD, **Gonzales NR**, Grotta JC, Savitz SI. Aggressive blood pressure-lowering treatment before intravenous tissue plasminogen activator therapy in acute ischemic stroke. *Arch Neurol*. 2008 Sep;65(9):1174-8.

Barreto AD, Albright KC, Hallevi H, Grotta JC, Noser EA, Khaja AM, Shaltoni HM, **Gonzales NR**, Illoh K, Martin-Schild S, Campbell MS 3rd, Weir RU, Savitz SI. Thrombus burden is associated with clinical outcome after intra-arterial therapy for acute ischemic stroke. *Stroke*. 2008 Dec;39(12):3231-5. Epub 2008 Sep 4.

Hallevi H, Albright KC, Martin-Schild S, Barreto AD, Savitz SI, Escobar MA, **Gonzales NR**, Noser EA, Illoh K, Grotta JC. Anticoagulation after cardioembolic stroke: to bridge or not to bridge? *Arch Neurol*. 2008 Sep;65(9):1169-73. Epub 2008 Jul 14.

Halleivi H, Albright KC, Aronowski J, Barreto AD, Martin-Schild S, Khaja AM, **Gonzales NR**, Illoh K, Noser EA, Grotta JC. Intraventricular hemorrhage: Anatomic relationships and clinical implications. *Neurology*. 2008 Mar 11;70(11):848-52.

Conley KM, Majersik JJ, **Gonzales NR**, Maddox KE, Pary JK, Brown DL, Moyé LA, Espinosa N, Grotta JC, Morgenstern LB. Kids Identifying and Defeating Stroke (KIDS): Development and Implementation of a Multiethnic Health Education Intervention to Increase Stroke Awareness Among Middle School Students and Their Parents. *Health Promot Pract*. 2008 Mar 10. [Epub ahead of print]

Halleivi H, Albright KC, Aronowski J, Barreto AD, Martin-Schild S, Khaja AM, **Gonzales NR**, Illoh K, Noser EA, Grotta JC. Intraventricular hemorrhage: Anatomic relationships and clinical implications. *Neurology*. 2008 Mar 11;70(11):848-52.

Halleivi H, **Gonzales NR**, Barreto AD, Martin-Schild S, Albright KC, Noser EA, Illoh K, Khaja AM, Allison T, Escobar MA, Shaltoni HM, Grotta JC. The Effect of Activated Factor VII for Intracerebral Hemorrhage Beyond 3 Hours Versus Within 3 Hours. *Stroke*. 2008 Feb;39(2):473-5. Epub 2008 Jan 3.

Zahuranec DB, Brown DL, Lisabeth LD, **Gonzales NR**, Longwell PJ, Smith MA, Garcia NM, Morgenstern LB. Early care limitations independently predict mortality after intracerebral hemorrhage. *Neurology*. 2007 May 15;68(20):1651-7.

Lewis B, Morgenstern MD, **Nicole R. Gonzales MD**, Katherine E. Maddox MS, RN, CS, Devin L. Brown MD MS, Asha P Karim, MS, Nina Espinosa BS, Lemuel A. Moyé MD PhD, Jennifer K. Pary MD, James C. Grotta MD, Lynda D. Lisabeth PhD, Kathleen M. Conley PhD. A Randomized, controlled trial to teach middle school children to recognize stroke and call 911. *Stroke*. 2007 Nov;38(11):2972-8.

Xiurong Zhao MD, Guanghua Sun MD, Jie Zhang BS, Roger Strong MS, Weitao Song MD, **Nicole Gonzales MD**, James C. Grotta MD, Jaroslaw Aronowski PhD. Hematoma resolution as a target for intracerebral hemorrhage treatment: Role for PPAR γ in microglia/macrophage. *Ann Neurol*. 2007 Apr;61(4):352-62.

Gonzales NR, Brown, D. L., Maddox, K.E., Conley, K.M., Espinosa, N, Pary, J.K., Karim, A.P., Moyé, L.A., Grotta, J.C., Morgenstern, L.B. Kids identifying and defeating stroke (KIDS): Design of a school based intervention to improve stroke awareness. *Ethn Dis*. 2007 Spring;17(2):320-6.

Shaltoni HM, Albright KC, **Gonzales NR**, Weir RU, Khaja AM, Sugg RM, Campbell MS 3rd, Cacayorin ED, Grotta JC, Noser EA. Is Intra-Arterial Thrombolysis Safe After Full-Dose Intravenous Recombinant Tissue Plasminogen Activator For Acute Ischemic Stroke? *Stroke*. 2007 Jan;38(1):80-4.

Sugg RM, **Gonzales NR**, Matherne DE, Ribo M, Shaltoni HM, Baraniuk S, Noser EA, Grotta JC. Myocardial Injury in Patients with Intracerebral Hemorrhage Treated with Recombinant Factor VIIa. *Neurology*. 2006 Sep 26;67(6):1053-5.

Sugg RM, Pary JK, Uchino K, Baraniuk S, Shaltoni HM, **Gonzales NR**, Mikulik R, Garami Z, Shaw SG, Matherne DE, Moye LA, Alexandrov AV, Grotta JC. Argatroban tPA Stroke Study: Study Design and Results in the First Treated Cohort. *Arch Neurol*. 2006 Aug;63(8):1057-62.

Gonzales NR, Grotta JC. Alteplase for acute ischemic stroke. *Expert Rev Cardiovasc Ther*. 2006 May;4(3):301-18.

Sugg RM, Noser EA, Shaltoni HM, **Gonzales NR**, Campbell MS, Weir R, Cacayorin ED, Grotta JC. Intra-arterial reteplase compared to urokinase for thrombolytic recanalization in acute ischemic stroke. *Am J Neuroradiol*. 2006 Apr;27(4):769-73.

DB Zahuranec, **NR Gonzales**, Brown DL, Lisabeth LD, Longwell PJ, Eden SV, Smith MA, Garcia NM, Hoff JT, Morgenstern LB. Presentation of intracerebral haemorrhage in a community. *J Neurol Neurosurg Psychiatry*. 2006 Mar;77(3):340-4.

D. B. Zahuranec MD, D.L. Brown MD, L.D. Lisabeth PhD, **N.R. Gonzales MD**, P. J. Longwell MD, S.V. Eden MD, M. A. Smith MPH, N.M. Garcia BS, L.B. Morgenstern MD. Differences in Intracerebral

Hemorrhage between Mexican Americans and non-Hispanic Whites. *Neurology*. 2006 Jan 10;66(1):30-4.

Nicole Gonzales MD, Elke Jarboe MD B.K. Kleinschmidt-DeMasters MD, Patrick Bosque MD. Acute Multifocal CNS Demyelination as first presentation of systemic malignancy. *Neurology*. 2005 Jul 12;65(1):166

Doody RS, Dunn JK, Clark CM, Farlow M, Foster NL, Liao T, **Gonzales N**, Lai E, Massman P. Chronic donepezil treatment is associated with slowed cognitive decline in Alzheimer's disease. *Dement Geriatr Cogn Disord* 2001 Jul-Aug;12(4):295-300

ABSTRACTS

Nicole R Gonzales MD, Heather Hartman PharmD, Hen Hallevi MD, Miriam M Morales MPH; Aslam M Khaja MD, Andrew D Barreto MD, Sheryl Martin-Schild MD PhD, Anitha T Abraham MD, Melvin R. Sline, Sean I Savitz MD, Kachikwu Illoh MD, James C Grotta MD. Impact of Intraventricular t-PA for Intraventricular Hemorrhage. Presented at XVII European Stroke Conference; Nice, France 2008

Sheryl Martin Schild, Karen C Albright, Hen Hallevi, Andrew D Barreto, **Nicole R Gonzales**, Aslam M Khaja, Kachi Illoh, Elizabeth A Noser, James C Grotta, Sean I Savitz. Does Study Enrollment Delay Treatment with Intravenous Thrombolytics for Acute Ischemic Stroke? Oral Presentation at the International Stroke Conference, New Orleans, LA 2008

Sheryl Martin-Schild, Andrew D Barreto, Hen Hallevi, Aslam M Khaja, Hashem Shaltoni, **Nicole R Gonzales**, Kachi Illoh, Elizabeth A Noser, Jarek Aronowski, Sean I Savitz, James C Grotta. Feasibility of Caffeinol and Hypothermia for Acute Ischemic Stroke. Oral Presentation at the International Stroke Conference, New Orleans, LA 2008

Aslam M Khaja, Sheryl Martin-Schild, Miriam Morales, Andrew D Barreto, Hen Hallevi, **Nicole R Gonzales**, Kachi Illoh, Elizabeth A Noser, James C Grotta. Intravenous Tissue Plasminogen Activator Use Has a Low Risk of Neurosurgical Intervention. Oral Presentation at the International Stroke Conference, New Orleans, LA 2008

Andrew D Barreto, Sheryl Martin-Schild, Hen Hallevi, Miriam M Morales, M. Rick Sline, **Nicole R Gonzales**, Kachi Illoh, James C Grotta, Sean I Savitz. Safety and Early Outcomes of Thrombolysis in Patients Who Wake-up with Stroke. Presented at the International Stroke Conference, New Orleans, LA 2008

Hen Hallevi, Karen C Albright, Sheryl Martin-Schild, Andrew D Barreto, Sean I Savitz, Miguel A Escobar, **Nicole R Gonzales**, Elizabeth A Noser, Kachi Illoh, James C Grotta, The VISTA Investigators. Starting Warfarin After Cardioembolic Stroke: To Bridge or Not To Bridge? Presented at the International Stroke Conference, New Orleans, LA 2008

Aslam M Khaja, Karen C Albright, Andrew D Barreto, Michael T Merrick, Hen Hallevi, Sheryl Martin-Schild, **Nicole R Gonzales**, Kachi Illoh, Raymond U Weir, James C Grotta, Elizabeth Noser. Elderly Patients Do Not Have Poorer Outcomes After Intra-Arterial Thrombolysis for Acute Ischemic Stroke. American Society of Interventional and Therapeutic Neuroradiology (ASITN) 4th Annual Conference, Dana Point, CA 2007.

Aslam M Khaja, Michael T Merrick, Elizabeth A Noser, Karen C Albright, **Nicole R Gonzales**, Andrew D Barreto, Sheryl Martin-Schild, Hen Hallevi, Kachikwu Illoh, Hashem M Shaltoni, James C Grotta. Development of Orolingual Angioedema in Ischemic Stroke Patients Treated with Intravenous Tissue Plasminogen Activator. Presented at the International Stroke Conference, San Francisco, CA 2007.

Nicole R Gonzales, Karen C Albright, Elizabeth A Noser, Aslam M Khaja, Hashem M Shaltoni, Adam Romman, Neal Zimbaldi, Mary S Baraniuk, Lemuel A Moyé, James C Grotta. 'Mild Stroke' Should Not Exclude Patients from Thrombolytic Therapy. Oral Presentation at the International Stroke Conference, Kissimmee FL 2006

H.M. Shaltoni, A.M. Khaja, K.C. Albright, **N.R. Gonzales**, D.E. Matherne, E.A. Noser, J.C. Choi, E.J. Paschall, J.C. Grotta. Treatment of Ischemic Stroke Patients with Hypothermia: Practical Issues. Presented at

the International Stroke Conference, Kissimmee FL 2006

Nicole R Gonzales, Dawn E. Matherne, Teresa Allison, Marc Ribo, Hashem M. Shaltoni, Rebecca M. Sugg, James C. Grotta. Practical Experience with Off Label use of Recombinant Factor VIIa for Treatment of Acute Intracerebral Hemorrhage. Presented at the European Stroke Conference-May 2005, Bologna, Italy

Nicole R Gonzales, Nichole A Porche, Jenny M Lai, Terry E Rives, James C Grotta, John Y Choi. Videoteleconference Validation of Rehabilitation Scales (VERSES). Presented at the American Academy of Neurology- April 2005, Miami, FL

Hashem M Shaltoni , Rebecca M Sugg, **Nicole R Gonzales**, John Y Choi, Edwin D Cacayorin, Raymond U Weir, Andrei V Alexandrov, Marc D Malkoff, James C Grotta. TIMI Flow Grade 2b or Higher Predicts Better Outcome After Intra-arterial Thrombolysis. Presented: 30th AHA International Stroke Conference, New Orleans, Louisiana. February 2005

PRESENTATIONS

<i>February 2008</i>	21st Annual Neurosurgery in the Rockies Conference, Beaver Creek, CO <i>Impact of Intraventricular rt-PA on Intraventricular Hemorrhage</i>
<i>January 2008</i>	Grand Rounds, University of Texas Houston Medical School <i>Cerebral Venous Thrombosis</i>
<i>March 2007</i>	Total Endovascular Carotid 1 Symposium, Houston, TX <i>Vertebro-basilar System, Anatomy and Symptoms</i>
<i>February 2007</i>	20 th Annual Neurosurgery in the Rockies Conference, Vail, CO <i>Impact of MERCI[®] on Intra-arterial Treatment Outcomes in Acute Stroke: The UT-Houston Experience</i>
<i>December 2006</i>	9 th International Symposium on Thrombolysis and Acute Stroke Therapy & 19 th Annual Scientific Meeting of the Hong Kong Neurological Society, Hong Kong, China <i>Kids Identifying and Defeating Stroke: Design and Preliminary Data</i>
<i>May 2006</i>	Texas Academy of Family Physicians 2006 Primary Care Update, Houston, TX <i>Stroke Prevention</i>
<i>April 2006</i>	Stroke Survivor Conference, Houston, TX <i>Stroke Treatment in 2006</i>
<i>March 2006</i>	19 th Annual Neurosurgery in the Rockies Conference, Vail, CO <i>The Houston Experience with Off-Label use of rFVIIa for Treatment of Acute ICH</i>
<i>February 2006</i>	International Stroke Conference, Kissimmee, FL <i>'Mild Stroke' Should Not Exclude Patients from Thrombolytic Therapy</i>
<i>Sept 2005</i>	1 st Annual Frank Yatsu Conference, Houston, TX <i>Advances in ICH Treatment</i>
<i>May 2005</i>	Grand Rounds, University of Texas Houston <i>ICH: Size Matters</i>
<i>May 2004</i>	Grand Rounds, University of Colorado <i>Hypercoagulability and Stroke</i>