



Neil Schwartz, MD, PhD

- Clinical Professor, Adult Neurology
- Clinical Professor (By courtesy), Neurosurgery

CLINICAL OFFICE (PRIMARY)

- **Center for Academic Medicine Stanford Stroke Center**

453 Quarry Rd Rm A254A MC 5235

Stanford, CA 94304-5235

Tel (650) 723-4448 Fax (650) 723-4451

Bio

BIO

Neil Schwartz completed his undergraduate studies at UCLA, followed by MD and PhD degrees at Northwestern University. After his Neurology residency at Stanford, Dr. Schwartz joined the Stanford Stroke Center in 2004 as a fellow in Vascular Neurology and has remained on as faculty since 2007. Currently, his primary focus is the care of patients with cerebrovascular disease in both the inpatient and outpatient setting, including patients with both ischemic and hemorrhagic strokes. He has a particular interest and expertise in cervical artery dissection, non-atherosclerotic vasculopathies, stroke in young adults, and stroke recovery trials utilizing stem cells.

Dr. Schwartz is a national leader in neurological education and served as the Program Director for the Stanford Neurology Residency Program for nearly a decade, but remains involved as the Associate Program Director, and Vice Chair (Education). He also serves as the Medical Director for inpatient Neurology (L5) at Stanford HealthCare. He is the director of the Young Stroke Program within the Stanford Stroke Center

Learn more about the Neurology Residency Program and other educational opportunities at: <http://neurology.stanford.edu/education>

CLINICAL FOCUS

- Vascular Neurology
- Stroke in the young adult

ACADEMIC APPOINTMENTS

- Clinical Professor, Adult Neurology
- Clinical Professor (By courtesy), Neurosurgery
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Vice Chair (Education), Dept. of Neurology & Neurological Sciences, (2018- present)
- Director, Young Stroke Program, Stanford Health Care, (2017- present)
- Medical Director, Neurology (L5), Stanford Health Care, (2018- present)
- Medical Director, Clinical Neurosciences (G1/H1), Stanford Health Care, (2010-2018)
- Program Director, Neurology Residency Program, Dept. of Neurology & Neurological Sciences, (2010-2018)

PROFESSIONAL EDUCATION

- Residency: Stanford University Dept of Neurology (2004) CA
- Fellowship: Stanford University Vascular Neurology Fellowship (2005) CA
- Internship: California Pacific Medical Center Internal Medicine Residency (2001) CA
- Board Certification: Vascular Neurology, American Board of Psychiatry and Neurology (2008)
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2006)
- Medical Education: Northwestern University Feinberg School of Medicine (2000) IL
- MD, Northwestern University (2000)
- PhD, Northwestern University , Neurophysiology Neuropharmacology (1998)

LINKS

- Stanford Stroke Center: <http://strokecenter.stanford.edu/index.html>
- <http://med.stanford.edu/neurology/>: <http://med.stanford.edu/neurology/>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My clinical interests involve inpatient and outpatient care of patients with neurovascular diseases, mostly ischemic and hemorrhagic stroke. I have a particular interest in cervical artery dissection, non-atherosclerotic vasculopathies, and stroke in the young.

CLINICAL TRIALS

- Endovascular Therapy Following Imaging Evaluation for Ischemic Stroke 3, Not Recruiting
- Tenecteplase in Stroke Patients Between 4.5 and 24 Hours, Not Recruiting

Publications

PUBLICATIONS

- **Acute strokes in the setting of a persistent primitive trigeminal artery.** *BMJ case reports*
Schwartz, N. E., Albers, G. W.
2025; 2009
- **Building Centers of Excellence for the Care of Young Adults With Stroke.** *Journal of the American Heart Association*
Leung, L. Y., Lee, S., Singhal, A. B.
2024: e035606
- **Mesenchymal Stromal Cell Implants for Chronic Motor Deficits After Traumatic Brain Injury: Post Hoc Analysis of a Randomized Trial.** *Neurology*
Okonkwo, D. O., McAllister, P., Achrol, A. S., Karasawa, Y., Kawabori, M., Cramer, S. C., Lai, A., Kesari, S., Frishberg, B. M., Groysman, L. I., Kim, A. S., Schwartz, N. E., Chen, et al

2024; 103 (7): e209797

- **Tenecteplase for Stroke at 4.5 to 24 Hours with Perfusion-Imaging Selection.** *The New England journal of medicine*
Albers, G. W., Juma, M., Purdon, B., Zaidi, S. F., Streib, C., Shuaib, A., Sangha, N., Kim, M., Froehler, M. T., Schwartz, N. E., Clark, W. M., Kircher, C. E., Yang, et al
2024
- **Inpatient Neurology Deaths and Factors Associated With Discharge to Hospice.** *The Neurohospitalist*
Dujari, S., Wei, J., Kraler, L., Goyal, T., Bernier, E., Schwartz, N., Hirsch, K., Gold, C. A.
2023; 13 (4): 337-344
- **Final Analysis of the Double-Blind, Randomized, Surgical Sham-Controlled, Phase 2 Stemtra Trial: 1-Year Safety and Efficacy Outcomes in Patients With Chronic Motor Deficits Secondary to Traumatic Brain Injury**
Weintraub, A. H., Cramer, S. C., Steinberg, G. K., Kawabori, M., Kesari, S., Imai, H., Groysman, L. I., Yasuhara, T., Kim, A. S., Frishberg, B. M., Schwartz, N. E., Nejadnik, B., Bates, et al
TAYLOR & FRANCIS LTD.2023: 44-45
- **Response by Loube et al to Letter Regarding Article "Stroke Caused by a Paradoxical Embolus From a Rare Congenital Anomaly in the Adult: Persistent Left Superior Vena Cava Draining Into the Left Upper Pulmonary Vein".** *Circulation. Cardiovascular imaging*
Loube, D. K., Sreekrishnan, A., Woo, J. P., Shen, J., Collins, R. T., Schwartz, N.
2023; 16 (9): e015862
- **Stroke Caused by a Paradoxical Embolus From a Rare Congenital Anomaly in the Adult: Persistent Left Superior Vena Cava Draining into the Left Upper Pulmonary Vein.** *Circulation. Cardiovascular imaging*
Loube, D. K., Sreekrishnan, A., Woo, J. P., Shen, J., Collins, R. T., Schwartz, N.
2023: e014205
- **Inpatient Neurology Deaths and Factors Associated With Discharge to Hospice** *NEUROHOSPITALIST*
Dujari, S., Wei, J., Kraler, L., Goyal, T., Bernier, E., Schwartz, N., Hirsch, K., Gold, C. A. A.
2023
- **Transient Complete Reversal of Large Area of Restricted Diffusion Seen Early Following Thrombectomy.** *Stroke*
Zhou, L. W., Lee, S., Schwartz, N. E., Albers, G. W., Lansberg, M. G.
2022: 101161STROKEAHA122038825
- **Cell Therapy for Chronic TBI: Interim Analysis of the Randomized Controlled STEMTRA Trial.** *Neurology*
Kawabori, M., Weintraub, A. H., Imai, H., Zinkevych, L., McAllister, P., Steinberg, G. K., Frishberg, B. M., Yasuhara, T., Chen, J. W., Cramer, S. C., Achrol, A. S., Schwartz, N. E., Suenaga, et al
2021
- **Pre-Specified Interim Analysis of the STEMTRA Trial: Clinical Outcomes in Chronic Traumatic Brain Injury Patients**
McAllister, P., Weintraub, A., Ikeda, S., Frishberg, B., Lai, A., Shinoda, Y., Cramer, S., Munin, M., Schwartz, N., Nejadnik, B., Bates, D.
LIPPINCOTT WILLIAMS & WILKINS.2020
- **Clinical Features and Genetic Testing in Multivessel Cervical Artery Dissection**
Culbertson, C., Schwartz, N., Lee, S.
LIPPINCOTT WILLIAMS & WILKINS.2020
- **Safety and Clinical Outcomes in Chronic Traumatic Brain Injury Patients: Pre-specified Interim Analysis of the STEMTRA Trial**
Weintraub, A., Semeniv, McAllister, P., Ikeda, S., Frishberg, B., Lai, A., Shinoda, Y., Cramer, S., Munin, M., Schwartz, N., Bates, D.
LIPPINCOTT WILLIAMS & WILKINS.2020: E182-E183
- **Two-year safety and clinical outcomes in chronic ischemic stroke patients after implantation of modified bone marrow-derived mesenchymal stem cells (SB623): a phase 1/2a study** *JOURNAL OF NEUROSURGERY*
Steinberg, G. K., Kondziolka, D., Wechsler, L. R., Lunsford, L., Kim, A. S., Johnson, J. N., Bates, D., Poggio, G., Case, C., McGrogan, M., Yankee, E. W., Schwartz, N. E.
2019; 131 (5): 1462-72
- **Intensive vs Standard Treatment of Hyperglycemia and Functional Outcome in Patients With Acute Ischemic Stroke: The SHINE Randomized Clinical Trial.** *JAMA*
Johnston, K. C., Bruno, A., Pauls, Q., Hall, C. E., Barrett, K. M., Barsan, W., Fansler, A., Van de Bruinhorst, K., Janis, S., Durkalski-Mauldin, V. L.

2019; 322 (4): 326-335

- **Clinicoradiographic Course of Focal Intracranial Arteriopathy in Young Adults**
MacLellan, A., Kraler, L., Schwartz, N., Lee, S.
LIPPINCOTT WILLIAMS & WILKINS.2019
- **Two-year safety and clinical outcomes in chronic ischemic stroke patients after implantation of modified bone marrow-derived mesenchymal stem cells (SB623): a phase 1/2a study.** *Journal of neurosurgery*
Steinberg, G. K., Kondziolka, D., Wechsler, L. R., Lunsford, L. D., Kim, A. S., Johnson, J. N., Bates, D., Poggio, G., Case, C., McGrogan, M., Yankee, E. W., Schwartz, N. E.
2018: 1–11
- **Clopidogrel and Aspirin in Acute Ischemic Stroke and High-Risk TIA.** *The New England journal of medicine*
Johnston, S. C., Easton, J. D., Farrant, M. n., Barsan, W. n., Conwit, R. A., Elm, J. J., Kim, A. S., Lindblad, A. S., Palesch, Y. Y.
2018
- **Interruption of Antiplatelet and Anticoagulant Therapy Does Not Increase Risk of Recurrent Stroke in Patients with Left Ventricular Assist Devices**
Tsai, J., Barrett, C., Schwartz, N. E., Banerjee, D.
LIPPINCOTT WILLIAMS & WILKINS.2017
- **Response by Steinberg et al to Letter Regarding Article, "Clinical Outcomes of Transplanted Modified Bone Marrow-Derived Mesenchymal Stem Cells in Stroke: A Phase 1/2A Study"** *STROKE*
Steinberg, G. K., Kondziolka, D., Bates, D.
2016; 47 (12): E269-E269
- **Clinical Outcomes of Transplanted Modified Bone Marrow-Derived Mesenchymal Stem Cells in Stroke A Phase 1/2a Study** *STROKE*
Steinberg, G. K., Kondziolka, D., Wechsler, L. R., Lunsford, L. D., Coburn, M. L., Billigen, J. B., Kim, A. S., Johnson, J. N., Bates, D., King, B., Case, C., McGrogan, M., Yankee, et al
2016; 47 (7): 1817-1824
- **Inter-rater agreement analysis of the Precise Diagnostic Score for suspected transient ischemic attack.** *International journal of stroke*
Cereda, C. W., George, P. M., Inoue, M., Vora, N., Olivot, J., Schwartz, N., Lansberg, M. G., Kemp, S., Mlynash, M., Albers, G. W.
2016; 11 (1): 85-92
- **The association between lesion location and functional outcome after ischemic stroke** *INTERNATIONAL JOURNAL OF STROKE*
Yassi, N., Churilov, L., Campbell, B. C., Sharma, G., Bammer, R., Desmond, P. M., Parsons, M. W., Albers, G. W., Donnan, G. A., Davis, S. M., Investigators, E. P.
2015; 10 (8): 1270-1276
- **Yield of CT perfusion for the evaluation of transient ischaemic attack.** *International journal of stroke*
Kleinman, J. T., Mlynash, M., Zaharchuk, G., Ogdie, A. A., Straka, M., Lansberg, M. G., Schwartz, N. E., Singh, P., Kemp, S., Bammer, R., Albers, G. W., Olivot, J.
2015; 10: 25-29
- **Prodromal Transient Ischemic Attack or Minor Stroke and Outcome in Basilar Artery Occlusion** *JOURNAL OF STROKE & CEREBROVASCULAR DISEASES*
Conforto, A. B., de Freitas, G. R., Schonewille, W. J., Kappelle, L. J., Algra, A.
2015; 24 (9): 2117-2121
- **Diagnostic and Prognostic Impact of pc-ASPECTS Applied to Perfusion CT in the Basilar Artery International Cooperation Study** *JOURNAL OF NEUROIMAGING*
Pallesen, L., Gerber, J., Dzialowski, I., van der Hoeven, E. J., Michel, P., Pfefferkorn, T., Ozdoba, C., Kappelle, L. J., Wiedemann, B., Khomenko, A., Algra, A., Hill, M. D., von Kummer, et al
2015; 25 (3): 384-389
- **Safety of stereotactic intracranial injection of modified bone marrow-derived mesenchymal stem cells (SB623) in chronic stroke patients: A Phase 1/2A study**
Steinberg, G. K., Kondziolka, D., Wechsler, L., Lunsford, L. D., Kim, A. S., Johnson, J. N., Bates, D., McGrogan, M., Yankee, E. W., Schwartz, N. E.
WILEY-BLACKWELL.2015: 88

- **Precise Diagnostic Score (PREDISC) for suspected TIA: An inter-rater agreement analysis**
Cereda, C. W., Inoue, M., George, P., Vora, N., Olivot, J. M., Schwartz, N., Lansberg, M. G., Kemp, S., Mlynash, M., Albers, G. W.
WILEY-BLACKWELL.2015: 44
- **Clinical improvement and cortical flair hyperintensity associated with stereotactic intracranial injection of modified bone marrow-derived mesenchymal stem cells (SB623) in chronic stroke patients**
Steinberg, G. K., Kondziolka, D., Wechsler, L., Lunsford, L. D., Kim, A. S., Johnson, J. N., Bates, D., McGrogan, M., Yankee, E. W., Schwartz, N. E.
WILEY-BLACKWELL.2015: 11
- **Vertebral artery stenosis in the Basilar Artery International Cooperation Study (BASICS): prevalence and outcome** *JOURNAL OF NEUROLOGY*
Compter, A., van der Hoeven, E. J., van der Worp, H. B., Vos, J. A., Weimar, C., Rueckert, C. M., Kappelle, L. J., Algra, A., Schonewille, W. J.
2015; 262 (2): 410-417
- **Cervical Arterial Dissections and Association With Cervical Manipulative Therapy A Statement for Healthcare Professionals From the American Heart Association/American Stroke Association** *STROKE*
Biller, J., Sacco, R. L., Albuquerque, F. C., Demaerschalk, B. M., Fayad, P., Long, P. H., Noorollah, L. D., Panagos, P. D., Schievink, W. I., Schwartz, N. E., Shuaib, A., Thaler, D. E., Tirschwell, et al
2014; 45 (10): 3155-3174
- **A Novel Phase 1/2A Study of Intraparenchymal Transplantation of Human Modified Bone Marrow-Derived Cells in Patients With Stable Ischemic Stroke**
Steinberg, G. K., Kondziolka, D., Schwartz, N. E., Wechsler, L., Lunsford, D., Coburn, M. L., Billigen, J. B., Keren-Gill, H., McGrogan, M., Case, C., Mori, K., Yankee, E. W.
COGNIZANT COMMUNICATION CORP.2014: 784
- **Simulation-Based Learning Improves Neurology Resident Training in Acute Stroke Care**
Tai, W., Baumann, J. J., Melamed, E., Vora, N., Schwartz, N.
LIPPINCOTT WILLIAMS & WILKINS.2013
- **Time is Brain(stem) in Basilar Artery Occlusion** *STROKE*
Vergouwen, M. D. I., Algra, A., Pfefferkorn, T., Weimar, C., Rueckert, C. M., Thijs, V., Kappelle, L., Schonewille, W. J., Basilar Artery Int Cooperation Stu
2012; 43 (11): 3003-U367
- **PREDICTING OUTCOME AFTER ACUTE BASILAR ARTERY OCCLUSION BASED ON ADMISSION CHARACTERISTICS** *NEUROLOGY*
He, Y., Li, T., Schonewille, W. J., Greving, J. P., Kappelle, L. J., Algra, A.
2012; 79 (13): 1410
- **Clinical Assessment of Standard and Generalized Autocalibrating Partially Parallel Acquisition Diffusion Imaging: Effects of Reduction Factor and Spatial Resolution** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Andre, J. B., Zaharchuk, G., Fischbein, N. J., Augustin, M., Skare, S., Straka, M., Rosenberg, J., Lansberg, M. G., Kemp, S., Wijman, C. A., Albers, G. W., Schwartz, N. E., Bammer, et al
2012; 33 (7): 1337-1342
- **Automated Perfusion Imaging for the Evaluation of Transient Ischemic Attack** *STROKE*
Kleinman, J. T., Zaharchuk, G., Mlynash, M., Ogdie, A. A., Straka, M., Lansberg, M. G., Schwartz, N. E., Kemp, S., Bammer, R., Albers, G. W., Olivot, J.
2012; 43 (6): 1556-1560
- **Predicting outcome after acute basilar artery occlusion based on admission characteristics** *NEUROLOGY*
Greving, J. P., Schonewille, W. J., Wijman, C. A., Michel, P., Kappelle, L. J., Algra, A.
2012; 78 (14): 1058-1063
- **Antithrombotic and thrombolytic therapy for ischemic stroke: Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines.** *Chest*
Lansberg, M. G., O'Donnell, M. J., Khatri, P., Lang, E. S., Nguyen-Huynh, M. N., Schwartz, N. E., Sonnenberg, F. A., Schulman, S., Vandvik, P. O., Spencer, F. A., Alonso-Coello, P., Guyatt, G. H., Akl, et al
2012; 141 (2): e601S-36S
- **Antithrombotic and Thrombolytic Therapy for Ischemic Stroke Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines** *CHEST*

- Lansberg, M. G., O'Donnell, M. J., Khatri, P., Lang, E. S., Nguyen-Huynh, M. N., Schwartz, N. E., Sonnenberg, F. A., Schulman, S., Vandvik, P. O., Spencer, F. A., Alonso-Coello, P., Guyatt, G. H., Akl, et al
2012; 141 (2): E601S-E636S
- **Concurrent stenoocclusive disease of intracranial and extracranial arteries in a patient with polycythemia vera. *Case reports in medicine***
Hua, L. H., Dodd, R. L., Schwartz, N. E.
2012; 2012: 151767-?
 - **Greater Effect of Stroke Thrombolysis in the Presence of Arterial Obstruction *ANNALS OF NEUROLOGY***
De Silva, D. A., Churilov, L., Olivot, J., Christensen, S., Lansberg, M. G., Mlynash, M., Campbell, B. C., Desmond, P., Straka, M., Bammer, R., Albers, G. W., Davis, S. M., Donnan, et al
2011; 70 (4): 601-605
 - **TWO ACES Transient Ischemic Attack Work-Up as Outpatient Assessment of Clinical Evaluation and Safety *STROKE***
Olivot, J., Wolford, C., Castle, J., Mlynash, M., Schwartz, N. E., Lansberg, M. G., Kemp, S., Albers, G. W.
2011; 42 (7): 1839-1843
 - **The Albumin in Acute Stroke Part 1 Trial An Exploratory Efficacy Analysis *STROKE***
Hill, M. D., Martin, R. H., Palesch, Y. Y., Tamariz, D., Waldman, B. D., Ryckborst, K. J., Moy, C. S., Barsan, W. G., Ginsberg, M. D.
2011; 42 (6): 1621-1625
 - **Mri Based Tia Triage Study *International Stroke Conference***
Wolford, C., Mlynash, M., Schwartz, N. E., Purushotham, A., Lansberg, M., Kemp, S., Albers, G. W., Olivot, J.
LIPPINCOTT WILLIAMS & WILKINS.2011: E210–E210
 - **TIA Clinic Triage Strategy Reduces the Cost of TIA Evaluation *International Stroke Conference***
Mlynash, M., Castle, J., Olivot, J., Wolford, C., Schwartz, N. E., Lansberg, M. G., Edwards, G., Kemp, S., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2011: E250–E250
 - **MRI Profile of the Perihematomal Region in Acute Intracerebral Hemorrhage *STROKE***
Olivot, J., Mlynash, M., Kleinman, J. T., Straka, M., Venkatasubramanian, C., Bammer, R., Moseley, M. E., Albers, G. W., Wijman, C. A.
2010; 41 (11): 2681-2683
 - **Acute Basilar Artery Occlusion in the Basilar Artery International Cooperation Study Does Gender Matter? *STROKE***
Arnold, M., Fischer, U., Compter, A., Gralla, J., Findling, O., Mattle, H. P., Kappelle, L. J., Tanne, D., Algra, A., Schonewille, W. J.
2010; 41 (11): 2693-2696
 - **Intravenous Thrombolysis Plus Hypothermia for Acute Treatment of Ischemic Stroke (ICTuS-L) Final Results *STROKE***
Hemmen, T. M., Raman, R., Guluma, K. Z., Meyer, B. C., Gomes, J. A., Cruz-Flores, S., Wijman, C. A., Rapp, K. S., Grotta, J. C., Lyden, P. D.
2010; 41 (10): 2265-2270
 - **Dabigatran Challenges Warfarin's Superiority for Stroke Prevention in Atrial Fibrillation *STROKE***
Schwartz, N. E., Albers, G. W.
2010; 41 (6): 1307-1309
 - **Endovascular Thrombectomy for Acute Ischemic Stroke in Failed Intravenous Tissue Plasminogen Activator Versus Non-Intravenous Tissue Plasminogen Activator Patients Revascularization and Outcomes Stratified by the Site of Arterial Occlusions *STROKE***
Shi, Z., Loh, Y., Walker, G., Duckwiler, G. R.
2010; 41 (6): 1185-1192
 - **Clinical Outcomes in Middle Cerebral Artery Trunk Occlusions Versus Secondary Division Occlusions After Mechanical Thrombectomy Pooled Analysis of the Mechanical Embolus Removal in Cerebral Ischemia (MERC1) and Multi MERC1 Trials *STROKE***
Shi, Z., Loh, Y., Walker, G., Duckwiler, G. R.
2010; 41 (5): 953-960
 - **Diagnostic Accuracy of MRI in Spontaneous Intra-cerebral Hemorrhage (DASH): Initial Results *International Stroke Conference***
Wijman, C. A., Snider, R. W., Venkatasubramanian, C., Caulfield, A. F., Buckwalter, M., Eyngorn, I., Fischbein, N., Gean, A., Schwartz, N., Lansberg, M., Mlynash, M., Kemp, S., Thai, et al
LIPPINCOTT WILLIAMS & WILKINS.2010: E210–E211

- **Intravenous Thrombolysis Plus Hypothermia for Acute Treatment of Ischemic Stroke (ICTuS-L): Final Results** *International Stroke Conference*
Hemmen, T. M., Raman, R., Gomez, J. A., Cruz-Flores, S., Wijman, C. A., Rapp, K. S., Grotta, J. C., Lyden, P. D.
LIPPINCOTT WILLIAMS & WILKINS.2010: E246–E246
- **MRI Profile of the Perihematomal Region in Acute Intracerebral Hemorrhage**
Olivot, J., Mlynash, M., Kleinman, J. T., Straka, M., Venkatasubramanian, C., Bammer, R., Moseley, M., Albers, G. W., Wijman, C. A., DASH Investigators
LIPPINCOTT WILLIAMS & WILKINS.2010: E343
- **Factors Predicting the Presence of Acute Ischemic Lesions on Diffusion Weighted in the Stanford TIA Study (Two Aces)** *International Stroke Conference*
Olivot, J. M., Wolford, C., Mlynash, M., Castle, J., Lansberg, M., Schwartz, N., Kemp, S., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2010: E273–E273
- **Utility of Early MRI in the Diagnosis and Management of Acute Spontaneous Intracerebral Hemorrhage** *CEREBROVASCULAR DISEASES*
Wijman, C. A., Venkatasubramanian, C., Bruins, S., Fischbein, N., Schwartz, N.
2010; 30 (5): 456-463
- **Clinical and Radiographic Natural History of Cervical Artery Dissections** *JOURNAL OF STROKE & CEREBROVASCULAR DISEASES*
Schwartz, N. E., Vertinsky, A. T., Hirsch, K. G., Albers, G. W.
2009; 18 (6): 416-423
- **Improving Dynamic Susceptibility Contrast MRI Measurement of Quantitative Cerebral Blood Flow using Corrections for Partial Volume and Nonlinear Contrast Relaxivity: A Xenon Computed Tomographic Comparative Study** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Zaharchuk, G., Bammer, R., Straka, M., Newbould, R. D., Rosenberg, J., Olivot, J., Mlynash, M., Lansberg, M. G., Schwartz, N. E., Marks, M. M., Albers, G. W., Moseley, M. E.
2009; 30 (4): 743-752
- **Treatment and outcomes of acute basilar artery occlusion in the Basilar Artery International Cooperation Study (BASICS): a prospective registry study** *LANCET NEUROLOGY*
Schonewille, W. J., Wijman, C. A., Michel, P., Rueckert, C. M., Weimar, C., Mattle, H. P., Engelter, S. T., Tanne, D., Muir, K. W., Molina, C. A., Thijs, V., Audebert, H., Pfefferkorn, et al
2009; 8 (8): 724-730
- **Tissue Plasminogen Activator Does Not Benefit Most Eligible Patients With Stroke** *ARCHIVES OF NEUROLOGY*
Lansberg, M. G., Schwartz, N. E.
2009; 66 (4): 540-541
- **SENSE Diffusion-weighted Imaging Improves Diagnostic Sensitivity in Acute Ischemic Stroke** *American-Association-International-Stroke Conference 2009*
Schwartz, N. E., Newbould, R. D., Skare, S., Zaharchuk, G., Mlynash, M., Olivot, J., Lansberg, M. G., Eyngorn, I., Thai, D., Albers, G. W., Bammer, R.
LIPPINCOTT WILLIAMS & WILKINS.2009: E115–E115
- **Perfusion MRI (Tmax and MTT) correlation with xenon CT cerebral blood flow in stroke patients** *NEUROLOGY*
Olivot, J., Mlynash, M., Zaharchuk, G., Straka, M., Bammer, R., Schwartz, N., Lansberg, M. G., Moseley, M. E., Albers, G. W.
2009; 72 (13): 1140-1145
- **Antithrombotic agents for stroke prevention.** *Handbook of clinical neurology*
Schwartz, N. E., Diener, H., Albers, G. W.
2009; 94: 1277-1294
- **Acute strokes in the setting of a persistent primitive trigeminal artery.** *BMJ case reports*
Schwartz, N. E., Albers, G. W.
2009; 2009: bcr2006111773-?
- **Risk of Symptomatic Intracerebral Hemorrhage in Patients Treated with Intra-Arterial Thrombolysis** *CEREBROVASCULAR DISEASES*
Singer, O. C., Berkefeld, J., Lorenz, M. W., Fiehler, J., Albers, G. W., Lansberg, M. G., Kastrup, A., Rovira, A., Liebeskind, D. S., Gass, A., Rosso, C., Derex, L., Kim, et al
2009; 27 (4): 368-374

- **Comparison of Multidetector CT Angiography and MR Imaging of Cervical Artery Dissection** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Vertinsky, A. T., Schwartz, N. E., Fischbein, N. J., Rosenberg, J., Albers, G. W., Zaharchuk, G.
2008; 29 (9): 1753-1760
- **Mechanical thrombectomy for acute ischemic stroke - Final results of the multi MERCI trial** *STROKE*
Smith, W. S., Sung, G., Saver, J., Budzik, R., Duckwiler, G., Liebeskind, D. S., Lutsep, H. L., Rymer, M. M., Higashida, R. T., Starkman, S., Gobin, Y. P.
2008; 39 (4): 1205-1212
- **Use of antiplatelet agents to prevent stroke: What is the role for combinations of medications?** *CURRENT NEUROLOGY AND NEUROSCIENCE REPORTS*
Schwartz, N. E., Albers, G. W.
2008; 8 (1): 29-34
- **Is there a role for combinations of antiplatelet agents in stroke prevention?** *Current treatment options in neurology*
Schwartz, N. E., Albers, G. W.
2007; 9 (6): 442-450
- **The Basilar Artery International Cooperation Study (BASICS)** *INTERNATIONAL JOURNAL OF STROKE*
Schonewille, W. J., Wijman, C. A., Michel, P., Algra, A., Kappelle, L. J.
2007; 2 (3): 220-223
- **Neurological picture. Acute strokes in the setting of a persistent primitive trigeminal artery.** *Journal of neurology, neurosurgery, and psychiatry*
Schwartz, N. E., Albers, G. W.
2007; 78 (7): 745-?
- **Acute strokes in the setting of a persistent primitive trigeminal artery** *JOURNAL OF NEUROLOGY NEUROSURGERY AND PSYCHIATRY*
Schwartz, N. E., Albers, G. W.
2007; 78 (7): 745-745
- **Transient isolated vertigo secondary to an acute stroke of the cerebellar nodulus** *ARCHIVES OF NEUROLOGY*
Schwartz, N. E., Venkat, C., Albers, G. W.
2007; 64 (6): 897-898
- **Clinical and radiographic history of cervical artery dissections** *32nd International Stroke Conference*
Hirsch, K., Vertinsky, T., Albers, G. W., Schwartz, N. E.
LIPPINCOTT WILLIAMS & WILKINS.2007: 587-87
- **Magnetic resonance perfusion-weighted imaging predicts symptomatic vasospasm following aneurysmal subarachnoid hemorrhag** *AANS*
Schwartz, N. E.
2007
- **Action at a distance: A lumbar spine tumor presenting as trigeminal neuralgia** *CLINICAL NEUROLOGY AND NEUROSURGERY*
Schwartz, N. E., Rosenberg, S., So, Y. T.
2006; 108 (8): 806-808
- **Physiological activation of presynaptic metabotropic glutamate receptors increases intracellular calcium and glutamate release** *JOURNAL OF NEUROPHYSIOLOGY*
Schwartz, N. E., Alford, S.
2000; 84 (1): 415-427
- **Modulation of pre- and postsynaptic calcium dynamics by ionotropic glutamate receptors at a plastic synapse** *JOURNAL OF NEUROPHYSIOLOGY*
Schwartz, N. E., Alford, S.
1998; 79 (4): 2191-2203