

NITIN R. MARIWALLA

1175 Montauk Highway, Suite # 3 West Islip, NY 11795

EDUCATION AND CURRENT HOSPITAL AFFILIATIONS	St. Francis Hospital	10/2017 --
	<i>Present</i>	
	St. Catherine of Siena	10/2017 -- <i>Present</i>
	Good Samaritan Hospital Medical Center	10/2017 – <i>Present</i>
	St. Joseph's Hospital	10/2017 –
	<i>Present</i>	
	North Shore University Hospital	10/2017 –
	<i>Present</i>	
	Huntington Hospital	10/2017 – <i>Present</i>
	Southside Hospital	10/2017 – <i>Present</i>
	St. Charles Hospital	10/2017 – <i>Present</i>
	Mather Hospital	10/2017 – <i>Present</i>
	Plainview Hospital	10/2017 – <i>Present</i>
	Glen Cove Hospital	10/2017 – <i>Present</i>
	Syosset Hospital	10/2017 – <i>Present</i>
	Lenox Hill Hospital	06/2018 –
	<i>Present</i>	
	Phelps Medical Center	06/2020 – <i>Present</i>
	Cerebrovascular Fellowship , Emory University 3 year combined fellowship in open cerebrovascular neurosurgery and interventional neuroradiology. Served as administrative chief of service.	7/2015 – 6/2017
	Neurosurgery Residency , Emory University	7/2008 – 6/2015
EXPERIENCE	M.D., M.P.H. ; Tulane School of Medicine, New Orleans, LA M.P.H. degree in Health Systems Management	8/2003 – 5/2008
	M.S. , New York University, New York, NY Degree in applied recombinant DNA technology	7/2002 – 6/2003
	B.Sc. ; Brown University, Providence, RI Major: Neuroscience	8/1998 – 6/2002
	New York Brain, Spine, & Joint	2017 – <i>Present</i>
	Started a practice that now spans from Riverhead to Brooklyn with 10 offices, a surgery center, and over 170 employees. We provide regional care for patients across multiple disciplines.	
<i>Research in Neurosurgery</i>	Atlantic Surgery Center	2023 – <i>Present</i>
	Medical Director	
	Skull Base Anatomical Research Laboratory , New Orleans, LA	7/2004 – 6/2008

and the
Neurosciences

Initiated, organized and equipped a skull base research laboratory for the Department of Neurosurgery at Tulane School of Medicine, under the supervision of research advisor Dr. Miguel Melgar. Studied the technical aspects of the translabyrinthine approach to acoustic neurinomas. Next spring, the first departmental skull base conference will be held.

Barrow Neurological Institute, Phoenix, AZ 8/2005 – 5/2006
Performed basic science research in a spinal biomechanics lab under Dr. Neil Crawford and advisor Dr. Volker Sonntag. Research included blister aneurysms, gliomas, pediatric trauma, congenital diseases of the CNS, use of pressure sensors in the spinal column, devices to relieve spinal canal stenosis, and infectious diseases of the spine.

Research Collaborator, Merck Pharmaceuticals, New York, NY 7/2002 – 6/2003
Re-engineered antibodies to be more specific for the Kv1.5 channel which has been implicated in the toxicity of several anti-allergy drugs (e.g. celdane) pulled from the market by the FDA.

Researcher, Behavioral Neuroscience, Providence, RI 9/2000 – 6/2001
Derived a mathematical algorithm to describe how rats, genetically engineered to have high alcohol tolerance and predilection for alcohol dependence, changed their behavior according to negative reinforcement stimuli after being challenged with alcohol intake.

Leadership in
Health Care
and Science

BrainPath and Synaptive Neuronavigation Certified Operator 2016 – present
I am certified to use BrainPath as a minimally invasive tool for evacuation of hematomas and tumors. Additionally, I am certified to use Synaptive as a new and innovative tool for neuronavigation.

Medical Advisory Board, Worldwide Task Force 2015 --
present
for Syringomyelia and Chiari

Currently involved in compiling nationwide database for patients, established new diagnosis terms and educational outreach with NORD and NIH.

Physician Advisor, Interfaith Outreach Home 2014 - present
I serve as a medical advisor for 10 families with children who are transitioning from being homeless. My duties include giving general medical advice, and coordinating other volunteer care to provide timely and comprehensive medical education and intervention as needed to the parents and their children.

AWARDS

Hayward Scholar, Tulane School of Medicine, New Orleans, LA 2003-2007
The Hayward Genetics Scholarship is awarded once every four years to a student whose scholastic and research qualifications show promise for leadership in the medical community. It provides an award for tuition for the MPH degree in the MD/MPH program.

Howard Hughes Fellowship, Research Scholars Program 2005
Finalist.

Community Project Health Institute (AMSA) 2004
One of twelve applicants chosen nationally to attend a conference in Washington, D.C. sponsored by the American Medical Student Association to meet with national leaders and to learn skills for development of community-oriented health projects.

Medical School Class President, Tulane School of Medicine 2003 – 2004
Represented class to the deans and organized school-wide and class specific events. Duties also included serving on the honor board, finance, and curriculum committees.

ACTIVITIES

Medpal 2019 – Present

Created a disruptive app for smartphones to allow providers across various specialties to service patients by video conference, audio, or in-person visits.

Rejuvia Hotels

2019 – Present

Founder and care liaison for transitional stay short-term rentals for patients and their families traveling to destination hospitals for their medical care.

PUBLICATIONS

Abbasi, S, **Mariwalla N**, Mehmet S, Theodore N, Workman R, Gharabaghi A, Feiz-Erfan I, Spetzler R, Sonntag V. Microsurgical Management of Spinal Schwannomas: An Evaluation of 128 Cases. *JNS Spine*, 2007.

Dogan S, Safavi-Abbasi S, Theodore N, Chang SW, Horn EM, **Mariwalla NR**, Rekate HL, Sonntag VK. Thoracolumbar and sacral spinal injuries in children and adolescents: a review of 89 cases. *J Neurosurg*. 2007 Jun;106(6 Suppl):426-33.

Melgar M, **Mariwalla N**, Gloss D, Walsh J. Recurrent lymphocytic hypophysitis and bilateral intracavernous carotid occlusion. An observation and review of the literature. *Neurol Res*. 2006 Mar;28(2):177-83.

Lekovic GP, **Mariwalla NR**, Horn EM, Chang S, Rekate HL, Theodore N. Skeletal dysplasia involving the subaxial cervical spine. Report of two cases and review of the literature. *Neurosurg Focus*. 2006 Feb;20(2):E8.

Melgar MA, **Mariwalla N**, Madhusudan H, Weinand M. Carotid endarterectomy without shunt: the role of cerebral metabolic protection. *Neurol Res*. 2005 Dec;27(8):850-6.

Gautam M, Durbha M, Chitoor M, Jaraiedi M and **Mariwalla N**. Contribution of soot contaminated oils to wear. SAE Transaction. J of Fuels and Lubricants. 1999;107:5098-6220.

Gautam M, Durbha M, Chitoor M, Jaraiedi M, **Mariwalla N**. Contribution of soot contaminated oils to wear. SAE Paper No. 981406, Powertrain Tribology (SP-1372), International Spring Fuels & Lubricants Meeting and Exposition. Dearborn, MI, 1998.

Kim LJ, **Mariwalla N**, Albuquerque FC, Nakaji P, McDougall CG, Zabramski JM, Spetzler RF. Blood blister aneurysms: Multimodality treatment, technical considerations, and outcome. *Neurosurgery*.

Mariwalla NR, Theodore N, Horn EM. Absence of MRI-based soft tissue abnormalities in severe spinal cord injury: Evidence for ligamentous elasticity in children. *Journal of Neurosurgery: Pediatrics*.

Dogan S, Civelek E, Safavi-Abbasi S, **Mariwalla NR**, Horn EM, Theodore N. Pediatric multilevel spine injuries: Patterns of injury and treatment in 48 patients. *Journal of Neurosurgery*.

Mariwalla N, Kibler CW, and Holmes, TC. Distribution of Kv1.5 in mouse brain. *Journal of Neuroscience*.

Subramaniam V, Chamberlain RH, Theodore N, Baek S, Safavi-Abbasi S, Şenoğlu M, **Mariwalla NR**, Sonntag VKH, Crawford NR: Biomechanical effects of laminoplasty versus laminectomy: stenosis and stability. *Journal of Neurosurgery: Spine*.

Melgar M, **Mariwalla NR**. Patient history and outcomes survey: A case review of unilateral and bilateral carotid endarterectomy.

Mariwalla, Boydston, Chern. New Subsets: Chiari 0 and Chiari 1.5 Malformations. The Chiari Malformations, ed by Tubbs, Oaks. Book Chapter, pages 241-246. 2013

Mariwalla, Schuette, Cawley, Barrow. Use of IOA and ICG. *Neurovascular Surgery*, 2nd ed, Spetzler, Nakaji. Book Chapter. 2014.

Mariwalla, Grossberg, Cawley, Barrow. Dural AV Fistulas and Other Vascular Lesions. *Youman's Neurological Surgery*, 7th Edition. Wynn. Book Chapter, 2014.

Kim LJ, **Mariwalla N**, Albuquerque FC, Nakaji P, McDougall CG, Zabramski JM, Spetzler RF. Blood blister aneurysms: Multimodality treatment, technical considerations, and outcome. Poster

Presentations

presentation at the American Association of Neurological Surgeons. Washington, D.C., 2007. Article ID 42159.

Dogan S, Safavi-Abbasi S, Theodore N, Chang SW, Horn EM, **Mariwalla NR**, Rekate HL, Sonntag VK. Thoracolumbar and sacral spinal injuries in children and adolescents: a review of 89 cases. Abstract accepted at the Congress of Neurological Surgeons, Chicago, IL, 2006.

Dogan S, Civelek E, Safavi-Abbasi S, **Mariwalla NR**, Horn EM, Theodore N. Pediatric multilevel spine injuries: Patterns of injury and treatment in 48 patients. Abstract accepted at the Congress of Neurological Surgeons, Chicago, IL, 2006.

Theodore N, **Mariwalla N**. Case studies in traumatic brain injury. 3rd Annual Traumatic Brain Injury Symposium, Barrow Neurological Institute, Phoenix, AZ, May 5, 2006.

Theodore N, **Mariwalla N**. Neurotrauma in the 21st Century: From Ben Casey to Star Wars. Barrow Neurological Symposium, Phoenix, AZ, March 2, 2006.

Mariwalla N, Kibler CW, Holmes TC. Voltage-gated potassium ion channel localization and mapping: Increasing antibody specificity. Poster presentation at the 2003 New York University Molecular Biology Conference, New York, NY, 2003.

Ethical Dilemmas: Neurosurgical Case Presentation, invited presentation given at Emory University Center for Ethics, 3/29/2012

Ethical Dilemmas in Neonatal Care, invited presentation given at Emory University Center for Ethics, 5/30/2012.

Venous Sinus Thrombosis: Diagnosis, Management, and Neurosurgical Treatment, presentation given at Stroke Conference. May 2014.

Vertebral Artery Dissection and Controversies in Management, presentation given at Stroke Conference Emory University. January 2014.

Vein of Galen Malformations: Clinical and Radiologic Features, Treatment, and Controversies, presentation given at Stroke Conference Emory University. May 2015.

Complex Case Operative Techniques, Loculated 4th Ventricle after SAH and IVH from Vermian AVM, Clinical Evaluation and Perils of Intervention, Grand Rounds Emory University. July 2016.

An Unusual Cause of Acute Lower Extremity Paralysis: Intramedullary Spinal Cord Arteriovenous Malformation in a 13-year-old Boy: Diagnosis, Treatment Nuances, and Outcome, Emory Pediatrics Conference. Abstract, Journal of Neurosurgery.