



## Shaye I. Moskowitz, MD, PhD

Medical Advisor, Neurovascular Surgery and Neuroendovascular Neurosurgery

### Career Summary



In addition to his role as Medical Advisor at Corazon, Dr. Shaye Moskowitz works in Cerebrovascular and Neuroendovascular Surgery at the University of Colorado Health – Memorial Hospital Central in Colorado Springs, Colorado. Dr. Moskowitz has over fifteen years of clinical Neuroscience expertise and a wealth of knowledge in the healthcare industry. He has been involved with numerous peer-reviewed and non-peer-reviewed publications in addition to several medical book chapters.

### Clinical Consulting

**Corazon, Inc.**

**2017 - Present**

**Medical Advisor**

Provides consultation to hospitals and health systems across the country for the implementation or development of stand-alone or hospital-based neuroscience programs. Interacts with physicians at client sites on a peer-to-peer basis. Participates in site visits to present to Boards, hospital leadership, and/or internal and external stakeholders on the clinical, operational, and financial aspects of best practice neuroscience services. Provides expertise and opinions on procedures and commentary about current industry trends, medical advances, and new technology in his area of specialty.

## **Employment**

**UC Health Neurosurgery and Physical Medicine & Rehabilitation Clinic** **October 2016 - Present**  
**Colorado Springs, CO**  
**Cerebrovascular and Neuroendovascular Surgery**

**Boca Raton Regional Hospital, Marcus Neuroscience Institute, Boca Raton, FL**  
**Director of Cerebrovascular and Neuroendovascular Surgery** **September 2014 - October 2016**  
**Co-director of Stroke** **February 2016 - October 2016**  
**Co-director of Neurosurgery** **February 2016 - October 2016**

**Neurosurgical Associates, PC, Richmond, VA** **August 2013 - July 2017**  
**Associate Surgeon**

**Cleveland Clinic Foundation, Neurological Institute, Cleveland, OH** **July 2008 - August 2012**  
**Associate Staff, Cerebrovascular Center**  
**Associate Staff, Department of Neurosurgery**  
**Associate Staff, Department of Neurology**

## **Locum Tenens Affiliations**

**Locums Tenens, General and Endovascular Neurosurgery** **September 2012 - September 2014**  
**Mercy, St. Vincent Hospital, Toledo, OH**  
**Geisinger Medical Center, Danville, PA**  
**Benefis Health System, Great Falls, MT**  
**St. Luke's Hospital, Cedar Rapids, IA**  
**Cabell Hospital, Huntington, WV**

## **Clinical Training**

**Fellow, Endovascular Surgical Neuroradiology** **July 2005 - June 2006**  
**Department of Radiology** **July 2007 - June 2008**  
**Cleveland Clinic Foundation**  
**Cleveland, OH**

**Resident Physician** **July 2002 - June 2007**  
**Department of Neurosurgery**  
**Cleveland Clinic Foundation**  
**Cleveland, OH**

**Intern** **July 2001 - June 2002**  
**Department of Surgery**  
**Cleveland Clinic Foundation**  
**Cleveland, OH**

## Education

Bachelor of Arts, Physics  
Yeshiva University, New York, NY August 1988 - June 1992

Doctor of Medicine  
SUNY- Health Science Center at Brooklyn August 1993 - May 2001

Doctor of Philosophy  
SUNY- Health Science Center at Brooklyn  
Program in Neural and Behavioral Sciences  
Thesis Title: "Role of inflammation in *in vitro* chronic neurodegeneration"  
Thesis Advisor: Peter J. Bergold, Ph.D. August 1993 – May 2001

## Related Experience

**Research Technician** July 1992 – July 1993  
Department of Pathology, Columbia University, NY  
Supervisor: Reba Goodman, Ph.D.  
Researched effects of electromagnetic radiation in *Drosophila*

**Adjunct Instructor** September 1992 – June 1993  
Department of Physics, Stern College, NY  
Supervisor: Gabriel Cwilich, Ph.D.  
Taught physics laboratory and problem solving courses 09/92-06/93

## Educational Awards

SUNY Graduate Student Travel Fellowship 1999  
American Heart Association Medical Student Research Fellowship 1996  
Lowen Award for excellence in physics 1992  
Dean's List, Yeshiva University 1991

## Medical Licenses

Colorado (active) DR.0057310  
Ohio (active) 35.085886  
Florida (active) ME121057  
  
Virginia (inactive) 0101254267  
Pennsylvania (inactive) MD432181  
West Virginia (inactive) 25139  
Michigan (inactive) 4301106126  
Montana (inactive) 19588  
Iowa (inactive) 40511  
North Dakota (inactive) LT10857

## Medical Associations

Congress of Neurologic Surgeons  
American Association of Neurologic Surgeons  
Society for NeuroInterventional Surgeons, Senior Member  
American Heart Association, Stroke Council

## Peer-Reviewed Publications

Stein, A., Espinosa, P.S., **Moskowitz, S.I.** (2016) Report of Isolated L5 Radiculopathy Caused by a L2-3 Disc Herniation and Review of the Literature. *Br Medical Journal Case Reports* (submitted)

Toth, G., Bain, M., Hussain, M.S., **Moskowitz, S.I.**, Masaryk, T.J., Rasmussen, P., Hui, F.K. (2015) Posterior circulation flow diversion: a single-center experience and literature review. *Journal NeuroInterventional Surgery* 7(8):574–83

Hui, F.K., Bain, M., Obuchowski, N.A., Gordon, S., Spiotta, A.M., **Moskowitz, S.I.**, Toth, G., Hussain, M.S. (2015) Mycotic aneurysm detection rate with cerebral angiography in patients with infective endocarditis. *Journal NeuroInterventional Surgery* 7(6):449-452

Walsh, K.M., **Moskowitz, S.I.**, Hui, F.K., Spiotta, A.M. (2014) Multiple overlapping stents as monotherapy in the treatment of ‘blister’ pseudoaneurysms arising from the supraclinoid internal carotid artery: a single institution series and review of the literature. *Journal NeuroInterventional Surgery* 6(3):184-194.

Spiotta, A.M., Hui, F.K., Schuette, A., **Moskowitz, S.I.** (2013) Patterns of aneurysm Recurrence After Microsurgical Clip Obliteration. *Neurosurgery*. 72(1):65-69

Spiotta, A.M., Wheeler, A.M., Smithason, S., Hui, F.K., **Moskowitz, S.I.** (2012) Comparison of techniques for stent assisted coil embolization of aneurysms. *Journal NeuroInterventional Surgery* 4(5): 339-344

Spiotta, A.M., Hui, F.K., **Moskowitz, S.I.** (2012) Trends in device-assisted aneurysm treatment at a single high-volume tertiary care center. *Journal NeuroInterventional Surgery*. 2012 Jan 27. [Epub ahead of print]

Spiotta, A.M., Sivapatham, T., Hussain, M.S., **Moskowitz, S.I.**, Rasmussen, P.A., Masaryk, T.J., Hui, F.K. (2012) Benefits of a multidisciplinary environment for neurointerventional training: fellows' perspectives. *Journal NeuroInterventional Surgery*. 4(4):238-40

Hui, F.K., Hussain, M.S., Spiotta, A.M., Bhalla, T., Toth, G., **Moskowitz S.I.**, Elgabaly, M., Sivapatham, T., Rasmussen, P.A. (2012) Merci retrievers as access adjuncts for reperfusion catheters: the grappling hook technique. *Neurosurgery* 70(2):456-60

Baron, E.P., **Moskowitz, S.I.**, Tepper, S.J., Gupta, R., Hussain, M.S., Stillman, M.J. (2012) Headache following Intracranial Neuroendovascular Procedures. *Headache* 52(5):739-48

Spiotta, A.M., Sivapatham, T., Hussain, M.S., Hui, F.K., **Moskowitz S.I.**, Gupta R. (2012) Combined Surgical and Endovascular Approach to a Complex Dural Arteriovenous Fistula Involving the Superior Sagittal Sinus and Torcula. *Journal of Stroke and Cerebrovasc Disease* 21(4):283-8

Spiotta, A.M., Bain, M., **Moskowitz, S.I.** (2011) Intraoperative Indocyanine Green Angiography as a Substitute for Conventional Angiography in the Surgical Management of Spinal Dural Arteriovenous Fistulae. *Journal of NeuroInterventional Surgery*. 3(2): 182-185

Schuetz, A.J., Hui, F.K., Spiotta, A.M., Obuchowski, N., Gupta, R., **Moskowitz, S.I.**, Tong, F.C., Dion, J.E., Cawley, C.M. (2011) Endovascular Therapy of Very Small Aneurysms of the Anterior Communicating Artery: Five-fold Increased Incidence of Rupture. *Neurosurgery* 68:731-7

Gupta, R., Sivapatham, T., **Moskowitz, S.I.**, Srivastava, S. (2011) Stenting of a symptomatic long-segment extracranial vertebral artery occlusion. *Journal of NeuroInterventional Surgery* 3:54-56

Hui, F.K., Schuetz, A.J., **Moskowitz, S.I.**, Spiotta, A.M., Lieber, M.L., Rasmussen, P.A., Dion, J.E., Barrow, D.L., Cawley, C.M. (2011) Microsurgical and endovascular management of pericallosal aneurysms. *Journal NeuroInterventional Surgery*. 2011 Mar 1. Epub ahead of print

Spiotta, A.M., Hussain, M.S., Sivapatham, T., Bain, M., Gupta, R., **Moskowitz, S.I.**, Hui, F.K. (2011) The Versatile Distal Access Catheter: the Cleveland Clinic Experience. *Neurosurgery* 68(6):1677-86

Hui, F.K., Schuetz, A.J., **Moskowitz, S.I.**, Gupta, R., Spiotta, A.M., Obuchowski, N.A., Cawley, C.M. (2011) Antithrombotic states and outcomes in patients with angiographically negative subarachnoid hemorrhage. *Neurosurgery* 68(1):125-30

Spiotta, A.M., Bhalla, T., Hussain, M.S., Sivapatham, T., Hui, F., Masaryk, T.J., Rasmussen, P.A., **Moskowitz, S.I.** (2011) An Analysis of Inflation and Reperfusion Times during Balloon Remodeling for Aneurysm Coil Embolization and Its Effect on Ischemic Complications. *Stroke* 42(4):1051-5

Spiotta, A.M., Sivapatham, T., Teng, Q., **Moskowitz, S.I.**, Hui, F.K. (2011) Balloon-augmented carotid artery sacrifice with Onyx: a proof of concept study in a swine model. *Journal NeuroInterventional Surgery*. 2011 Mar 28. Epub ahead of print

Spiotta, A.M., Schuetz, A., Hui, F.K., Gupta, R., Cawley, C.M., **Moskowitz, S.I.** (2011) Experience with coil embolization of previously clipped aneurysms presenting with rupture. *Journal NeuroInterventional Surgery* 2011 Feb 15. Epub ahead of print

Altay T., Kang, H.I., Woo, H.H., Masaryk, T.J., Rasmussen, P.A., Fiorella, D. and **Moskowitz, S.I.** (2010) Thromboembolic events associated with endovascular treatment of cerebral aneurysms *Journal NeuroInterventional Surgery* 3(2):147-50

Hui, F.K., Schuetz, A.J., Lieber, M., Spiotta, A.M, **Moskowitz, S.I.**, Cawley, C.M., Barrow, D.L. (2010) Epsilon Aminocaproic Acid in Angiographically Negative Subarachnoid Hemorrhage Patients is Safe: A Retrospective Review of 83 Consecutive Patients. *Neurosurgery* 70(3):702-5

Spiotta, A.M., Gupta, R., Fiorella, D., Gonugunta, V., Lobo, B., Rasmussen, P.A., **Moskowitz, S.I.** (2010) Mid-Term Results of Endovascular Treatment of Wide-Necked Aneurysms Using Double Stents in "Y-Configuration" *Neurosurgery* 69(2):421-9

Hussain, M.S., Lin, R., Cheng-Ching, E., Jovin, T.G., **Moskowitz, S.I.**, Bain, M., Horowitz, M.B., Gupta, R. (2010) Endovascular Treatment of Carotid Embolic Occlusions has a Higher Recanalization Rate Compared to Cardioembolic Occlusions. *Journal of NeuroInterventional Surgery* 2:71-73

Hussain, M.S., Cheng-Ching, E., Bain, M., Spiotta, A.M., Sivapatham, T., Hui, F., Moskowitz, S.I., Gupta, R. (2010) Initial experience with angioplasty of symptomatic M2 MCA atheromatous lesions. *Journal of NeuroInterventional Surgery* 2(3):192-194

Bain, M., **Moskowitz, S.I.**, Rasmussen, P.A., Hui, F.K. (2010) Targeted Extracranial-Intracranial bypass with intra-aneurysmal administration of indocyanine-green. *Neurosurgery* 67(2 Suppl Operative):ons527-31.

Hussain, M.S., Lin, R., **Moskowitz, S.I.**, Bain, M., Gonugunta, V., Rasmussen, P.A., Masaryk, T.J., Horowitz, M.B., Jovin, T., Gupta, R. (2010) Symptomatic delayed reocclusion after initial successful revascularization in acute ischemic stroke. *Journal of Stroke and Cerebrovasc Disease* 19(1):36-39.

**Moskowitz, S.I.**, Kelly, M., Hussein, M.S., Haynes, J., and Fiorella, D. (2010) DynaCT evaluation of in-stent restenosis following Wingspan stenting of intracranial stenosis. *Journal NeuroInterventional Surgery*. 2:2-5

**Moskowitz, S.I.**, Davros, B.J., Kelly, M.E, Fiorella, D., and Masaryk, T.J. (2009) Cumulative radiation dosing during hospitalization for subarachnoid hemorrhage. *AJNR: American Journal of Neuroradiology* 31(8):1377-82.

Kelly, M.E., **Moskowitz, S.I.**, and Masaryk, T.J., and Fiorella, D. (2008) Delayed symptomatic coil migration after initially successful balloon assisted aneurysm coiling. *AJNR: American Journal of Neuroradiology* 29(10):1959-60.

Hussain, M.S., Kelly, M.E., **Moskowitz, S.I.**, Furlan, A.J., Turner, R.T.IV, Gonugunta, V., Rasmussen, P.A., Masaryk, T.J., Fiorella, D. (2009) Mechanical Thrombectomy for Acute Stroke with the Alligator Retrieval. *Stroke*. 40(12):3784-8.

**Moskowitz, S.I.**, Kelly, M., Furlan, A.J., Obuchowski, N. and Fiorella, D. (2009) The impact of WASID and Wingspan on the frequency of intracranial angioplasty and stenting at a high volume tertiary care hospital. *Journal of NeuroInterventional Surgery* 1:165-7.

**Moskowitz, S.I.**, Ahrens, C., Provencio, J.J., Chow, M. and P.A. Rasmussen (2009) Pre-hemorrhage statin use and the risk of vasospasm following aneurysmal subarachnoid hemorrhage. *Surgical Neurology* 71(3):311-317.

**Moskowitz, S.I.**, Liu, J., and A.A. Krishnaney (2009) Post-operative complications associated with dural substitutes in suboccipital craniotomies. *Neurosurgery* 64(3):ons28-34.

Kelly, M.E., Turner, R.D., **Moskowitz, S.I.**, Gonugunta, V.R., Rasmussen, P.A., Masaryk, T.J., Fiorella, D. (2009) Revascularization of symptomatic subacute cerebrovascular occlusions with a self-expanding intracranial stent system. *Neurosurgery* 64(1):72-78.

Kelly, M.E., Turner, R.T. IV, **Moskowitz, S.I.**, Gonugunta, V., Hussain, M.S., Fiorella D. (2008) Delayed Migration of a Self-expanding Intracranial Microstent. *AJNR: American Journal of Neuroradiology*. 29(10):1959-60

**Moskowitz, S.I.,** Calabrese, L.H., and R. Weil (2007) Benign angiopathy of the central nervous system presenting with intracerebral hemorrhage: report of two patients and review of the literature. *Surgical Neurology* 67(5):522-527.

**Moskowitz, S.I.,** and P. Ford (2006) Ethical issues associated with health care industry representatives in the operating room. *Spine* 105(2):309-314.

**Moskowitz, S.I.,** Hamrahian, A., Prayson, R., Pineyro, M. and R. Weil (2006) Concurrent lymphocytic hypophysitis and pituitary adenoma: case report and review of the literature. *Journal of Neurosurgery* 105(2):309-314.

**Moskowitz, S.I.,** Jin, T., Prayson, R (2006) Role of MIB1 in predicting survival in patients with glioblastomas. *Journal of Neuro-Oncology* 76(2):193-200.

Cracco, J.B., Serrano P., **Moskowitz, S.I.,** Bergold, P.J. and T.C. Sactor (2005) Protein synthesis-dependent LTP in isolated dendrites of CA1 pyramidal cells. *Hippocampus* 15(5): 551-556.

**Moskowitz, S.I.,** Basu, S.B. and P. J. Bergold (2001) Chronic and cyclic neuronal loss in hippocampal slice cultures following transient inhibition of the type 1 isoform of superoxide dismutase. *Brain Research*. 913(2):207-19.

Xiang, Z.-M., Hrabetova, S., **Moskowitz, S.I.,** Casaccia-Bonnel, P., Young, S.R., Nimmrich, V.C., Tiedge, H., Einheber, S., Karnup, S., Bianchi, R. and P.J. Bergold (2000) Long-term maintenance of mature hippocampal slices *in vitro*. *Journal of Neuroscience Methods*. 98(2):145-154.

Ding, D., **Moskowitz, S.I.,** Li, R., Liu, T.-S., Lee, S.B., Esteban, M., Tomaselli, K., Chan, J., and P. J. Bergold. (2000) Acidosis induces necrosis and apoptosis of cultured hippocampal neurons. *Experimental Neurology*. 162(1):1-12.

## Book Chapters

Moskowitz, S.I. (2012) "Cerebral angiography." *The 5 Minute Neurology Consult*. Ed. D. Joanne Lynn, Herbert B Newton, Alexander Rae-Grant: Lippincott, Williams and Wilkins.

Moskowitz, S.I. (2012) "Cerebrovascular disease, subarachnoid hemorrhage and intracranial aneurysms." *The 5 Minute Neurology Consult*. Ed. D. Joanne Lynn, Herbert B Newton, Alexander Rae-Grant: Lippincott, Williams and Wilkins. 130-1

Masaryk T.J., **Moskowitz, S.I.,** Katzan, I. (2008) "The role of endovascular therapies in acute stroke." *Endovascular Techniques in the Management of Cerebrovascular Disease*. Ed. Thomas J Mararyk: London. 71-86.

## Non-Peer-Reviewed Publications

Toth, G., Bain, M., Hussain, M.S., **Moskowitz, S.I.,** Masaryk, T.J., Rasmussen, P., Hui, F.K. (2014) Flow diversion in the posterior circulation: A single center experience and literature review. Society for NeuroInterventional Surgery Annual Meeting, oral presentation

Tateshima, S., Niemann, D., **Moskowitz, S.I.**, Baxter, B., Frei, D. (2013) Preliminary Experience with a New Barrel Shaped Bifurcation Aneurysm Bridging Device. Society for NeuroInterventional Surgery Annual Meeting, oral presentation

Tateshima, S., Niemann, D., **Moskowitz, S.I.**, Baxter, B., Frei, D. (2013) Preliminary Experience with the MVP™ Device, a New Microcatheter-Deliverable Vascular Plug for Rapid Endovascular Vessel Occlusion and Flow Control. Society for NeuroInterventional Surgery Annual Meeting, oral presentation

Hui, F.K., Piccinelli, M., Passerini, T., Spiotta, A., **Moskowitz, S.I.**, Tong, F., Veneziani, A. (2012) Flow characteristics of three toroidal aneurysms. Society for NeuroInterventional Surgery Annual Meeting, oral presentation

Spiotta, A., Schuette, J.A., **Moskowitz, S.I.**, Hui, F.K. (2012) Patterns of aneurysm recurrence following microsurgical clip obliteration. Society for NeuroInterventional Surgery Annual Meeting, oral presentation

Spiotta, A., Wheeler, A.M., Hui, F.K., Hui, F.K., Rasmussen, P.A., **Moskowitz, S.I.** (2011) Trends in Device-Assisted Aneurysm Treatment at a Single, High-Volume Tertiary Care Center. Society for NeuroInterventional Surgery Annual Meeting, oral presentation

Hui, F.K., Cawley, C.M., Dion, J., Rasmussen, P.A., **Moskowitz, S.I.**, Toth, G., Hussain, M.S., Schuette, J.A., Spiotta, A., Tong, F. (2011) Intermediate catheters: experience, cost and complication rates at two high volume centers. Society for NeuroInterventional Surgery Annual Meeting, oral presentation

Hui, F.K., Hussain, M.S., Spiotta, A., Bhalla, T., Toth, G., **Moskowitz, S.I.**, Elgabaly, M., Sivapatham, T., Jafari, N., Rasmussen, P.A. (2011) Merci Retrievers as Access Adjuncts for Reperfusion Catheters: The Grappling Hook Technique. Society for NeuroInterventional Surgery Annual Meeting, oral presentation

Spiotta, A., Wheeler, A.M., Smithason, S., Hui, F.K., **Moskowitz, S.I.** (2011) Comparison of Techniques for Stent-assisted Coil Embolization of Aneurysm. Society for NeuroInterventional Surgery Annual Meeting, oral presentation

Toth, G., Frei, D., Hussain, M.S., **Moskowitz, S.I.**, Huddle, D., Bellon, R., Dooley, G., Hui, F.K. (2011) Combined endovascular therapy of tandem vascular occlusions with stenting and penumbra device in acute ischemic stroke. Society for NeuroInterventional Surgery Annual Meeting, oral presentation

Spiotta, A., Rasmussen, P.A., **Moskowitz, S.I.** (2011) Intracranial endoluminal waveform analysis to understand the underlying pathophysiology and quantify treatment effect: case illustration involving venous sinus stenosis. Society for NeuroInterventional Surgery Annual Meeting, poster presentation

Hui, F.K., Gordon, S., Ammar, T., Jin, Y., **Moskowitz, S.I.** (2011) Mycotic Aneurysms of the Cerebrovasculature: Experience at a High Volume Center. Society for NeuroInterventional Surgery Annual Meeting, oral presentation

Spiotta, A., Wheeler, A.M., Smithason, S., Hui, F.K., **Moskowitz, S.I.** (2011) Comparison of Techniques for Stent-assisted Coil Embolization of Aneurysm. World Federation of Interventional and Therapeutic Neuroradiology Annual Meeting, oral presentation



Spiotta, A., Rasmussen, P.A., **Moskowitz, S.I.** (2011) Intracranial endoluminal waveform analysis to understand the underlying pathophysiology and quantify treatment effect: Case Illustration involving venous sinus stenosis. World Federation of Interventional and Therapeutic Neuroradiology Annual Meeting, poster

Spiotta, A., Wheeler, A.M., Smithason, S., Hui, F.K., **Moskowitz, S.I.** (2011) Trends in Device-Assisted Aneurysm Treatment at a Single, High-Volume Tertiary Care Center. World Federation of Interventional and Therapeutic Neuroradiology Annual Meeting, poster

Hui, F.K., Gordon, S., Ammar, T., Jin, Y., **Moskowitz, S.I.** (2011) Management of Neurovascular Mycotic Aneurysms: Experience at a High Volume Center. World Federation of Interventional and Therapeutic Neuroradiology Annual Meeting, oral presentation

Hui, F.K., Hussain, M.S., Spiotta, A., Bhalla, T., Toth, G., **Moskowitz, S.I.**, Elgabaly, M., Sivapatham, T., Jafari, N., Rasmussen, P.A. (2011) Merci Retrievers as Access Adjuncts for Reperfusion Catheters: The Grappling Hook Technique. World Federation of Interventional and Therapeutic Neuroradiology Annual Meeting, poster

Hui, F.K., Schuette, A.J., Spiotta, A., Lieber, M., **Moskowitz, S.I.**, Dion, J., Barrow, D., Cawley, C.M. (2011) Antithrombotic States and Outcomes in Patients with Aneurysmal Subarachnoid Hemorrhage. World Federation of Interventional and Therapeutic Neuroradiology Annual Meeting, poster

Hui, F.K., Cawley, C.M., Dion, J., Rasmussen, P.A., Toth, G., Hussain, M.S., Schuette, A.J., Spiotta, A., **Moskowitz, S.I.** (2011) Intermediate Catheters: Experience, Cost and Complication Rates at Two High Volume Centers. World Federation of Interventional and Therapeutic Neuroradiology Annual Meeting, oral presentation

**Moskowitz, S.I.**, Hui, F.K., Obuchowski, N., Schuette, A.J., Cawley, C.M., Dion, J.E. (2011) Initial experience with Deltapaq coils during embolization of cerebral aneurysms. World Federation of Interventional and Therapeutic Neuroradiology Annual Meeting, oral presentation

Spiotta, A., Hussain, M.S., Bain, M., Gupta, R., **Moskowitz, S.I.**, Hui, F.K. (2011) The versatile distal access catheter: the Cleveland Clinic Foundation experience. World Federation of Interventional and Therapeutic Neuroradiology Annual Meeting, oral presentation

Spiotta, A.M., Bhalla, T., Hussain, M.S., Sivapatham, T., Hui, F., Masaryk, T.J., Rasmussen, P.A., **Moskowitz, S.I.** (2010) An Analysis of Inflation and Reperfusion Times during Balloon Remodeling for Aneurysm Coil Embolization and Its Effect on Ischemic Complications. Congress of Neurological Surgeons Annual Meeting, Neurosurgical Forum abstract presentation

Spiotta, A.M., Gupta, R., Fiorella, D., Lobo, B., Gonugunta, V., Rasmussen, P.A., **Moskowitz, S.I.** (2010) Mid-term Results of Endovascular Treatment of Wide-Necked Aneurysms Using Double Neuroform Stents in "Y-Configuration". Congress of Neurological Surgeons Annual Meeting, digital poster

Sivapatham, T., Spiotta, A., Hussain, S.M., Fetko, C.N., Stultz, T., **Moskowitz, S.I.**, Gupta, R. (2010) Embolization of a direct carotid cavernous fistula using a combination of coils and Onyx. American Society of Neuroradiology Annual Meeting, oral presentation

Baron, E.P., **Moskowitz, S.I.**, Tepper, S.J. (2010) Headache Following Intracranial Endovascular Procedures. Society for NeuroInterventional Surgery Annual Meeting, presentation

Spiotta, A., Hussain M.S., Sivapatham, T., Bain, M., **Moskowitz, S.I.** (2010) Intraoperative Indocyanine Green Angiography to verify the eradication of Spinal Dural Arteriovenous Fistulae as a Substitute for Conventional Angiography. Society for NeuroInterventional Surgery Annual Meeting, oral poster

Bain, M., Hussain, M.S., Spiotta, A., Gonugunta, V., Sivapatham, T., **Moskowitz, S.I.**, Gupta, R. (2010) "Double Barrel" Stent Reconstruction of a symptomatic Fusiform Basilar Artery Aneurysm. Society for NeuroInterventional Surgery Annual Meeting, oral poster

Hui, F., Schuette, A., Spiotta, A., Hussain, M.S., **Moskowitz, S.I.**, Cawley, C.M. (2010) Endovascular and Microsurgical Management of Pericallosal Aneurysms. Society for NeuroInterventional Surgery Annual Meeting, oral poster

Sivapatham, T., Teng, Q., Spiotta, A., Hussain, M.S., **Moskowitz, S.I.**, Hui, F. (2010) A Novel Approach for Carotid Sacrifice Using Temporary Balloon Occlusion and Onyx in a Porcine Model. Society for NeuroInterventional Surgery Annual Meeting, oral poster

**Moskowitz, S.I.**, Cheng-Ching, E., Teng, Q., Hui, F. (2010) Cardiothoracic Surgery Does Not Pose Significant Risk of Aneurysmal Subarachnoid Hemorrhage. Society for NeuroInterventional Surgery Annual Meeting, oral poster

Baron, E.P., **Moskowitz, S.I.**, Tepper, S.J. (2010) Headache Following Intracranial Endovascular Procedures. 52<sup>nd</sup> Scientific Meeting of the American Headache Society, poster

Lee-Iannotti, J. K., Armour, R., Gupta, R., **Moskowitz, S.I.** (2010) Effect of early decompressive hemicraniectomy in patients with malignant middle cerebral artery infarction. American Association of Neurology Annual Meeting, poster

Hui, F.K., **Moskowitz, S.I.**, Schuette, A.J., Gupta, R., Spiotta, A., Obuchowski, N., Cawley, C.M. (2009) Antithrombotic States and Outcomes In Patients With Angiographically Negative Subarachnoid Hemorrhage. American Association of Neurologic Surgeons Annual Meeting, poster.

**Moskowitz, S.I.**, Gupta, R., Hui, F.K., Masaryk, T.J., Rasmussen, P.A., De Leo III, M.J., Gounis, M.J., Wahkloo, A.K., Schuette, A.J., Cawley, C.M., Dion, J.E. (2009) Initial experience with Deltapaq coils for embolization of cerebral aneurysms. World Federation of Interventional and Therapeutic Neuroradiology Annual Meeting, poster.

**Moskowitz, S.I.**, Liu, J., Krishnaney A.A. (2008) Post-operative complications associated with dural substitutes in suboccipital craniotomies. American Association of Neurologic Surgeons Annual Meeting, poster.

**Moskowitz, S.I.**, Anderson, M.I., Woo, H.H. (2006) Nitinol filament platinum coils may reduce coil compaction. AANS/CNS Cerebrovascular Section Annual Meeting, poster. ID 33981

**Moskowitz, S.I.**, Ahrens, C., Provencio, J.J., Chow, M, Rasmussen, P.A. (2006) Statin use increases the risk of vasospasm following aneurysmal subarachnoid hemorrhage. American Association of Neurologic Surgeons Annual Meeting, poster. First place for cerebrovascular section.

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## Presentations

Invited Panelist, Thirty-Third Annual Winter Conference On Brain Research (2000) Breckenridge, CO. "Better than sliced bread! -- Slice cultures: as close to *in situ* as *in vitro* can get." Lanthorn, T.H., Wieloch, T., Turner, D.A., Murphy, G.M. Jr., **Moskowitz S.I.**