

Curriculum Vitae
Mahesh V. Jayaraman M.D. F.A.C.R.

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EDUCATION

Undergraduate	Brown University B.Sc., Biochemistry and Molecular Biology 1994
Medical School	Brown University School of Medicine M.D., with Honors 1998

POSTGRADUATE TRAINING

Internship	Transitional Internship Santa Clara Valley Medical Center 1998-1999
Residency	Diagnostic Radiology Rhode Island Hospital/Brown University 1999-2003 Chief Resident, 2002-2003
Fellowship	Diagnostic Neuroradiology Stanford University 2003-2004
Fellowship	Interventional Neuroradiology Stanford University 2004-2006

POSTGRADUATE HONORS AND AWARDS

Radiology Resident research award RSNA National meeting, November 2002

RSNA Research award –Brown University, June 2003

Fellow of the Year award – Stanford University, June 2004

Attending Service award – Brown University Department of Diagnostic Imaging,
June 2016

Named as Fellow of the American College of Radiology – May 2019

Scholarly Concentration Excellence Award in Medical Student Teaching and
Mentoring – Brown University, May 2019

MILITARY SERVICE

None

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Board Certification	Diagnostic Radiology American Board of Radiology June, 2003
Board Certification	Certificate of Additional Qualification in Neuroradiology American Board of Radiology November, 2005
Medical Licensure	State of California, License #A83084 (Retired Status) State of Rhode Island, License #12030 State of Massachusetts, License #227635

ACADEMIC APPOINTMENTS

Clinical Instructor in Radiology	Stanford University July 2003-June 2006
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Assistant Professor of Diagnostic Imaging	The Warren Alpert Medical School of Brown University September 2006-June 2013
Assistant Professor of Neurosurgery	The Warren Alpert Medical School of Brown University June 2008-June 2013
Associate Professor of Diagnostic Imaging	The Warren Alpert Medical School of Brown University June 2013 – June 2019
Associate Professor of Neurosurgery	The Warren Alpert Medical School of Brown University June 2013 – June 2019
Associate Professor of Neurology	The Warren Alpert Medical School of Brown University February 2015 – June 2019
Professor of Diagnostic Imaging, Neurology and Neurosurgery	The Warren Alpert Medical School of Brown University July 2019 – Present
Vice Chair of Operations, Department of Diagnostic Imaging	The Warren Alpert Medical School of Brown University July 2019 – Dec 2023
Chair, Department of Diagnostic Imaging	The Warren Alpert Medical School of Brown University January 2024 – Present

HOSPITAL APPOINTMENTS

Staff Physician	Rhode Island Hospital Providence, RI August 2006 – Present
	The Miriam Hospital Providence, RI August 2006 – Present
	Women & Infants' Hospital Providence, RI August 2006 – Present
	Kent Hospital Warwick, RI May 2022 – Present
	South County Hospital Wakefield, RI July 2023 – Present

OTHER APPOINTMENTS

HOSPITAL COMMITTEES

Member	Executive Committee Rhode Island Hospital Stroke Center August 2006 – Present
Interim Co-Director	Rhode Island Hospital Stroke Center November 2009 – September 2010
Director	Rhode Island Hospital Neurovascular Center June 2015 - Present

UNIVERSITY COMMITTEES

Member	Education Committee Department of Diagnostic Imaging September 2007 – May 2009
Member	PLME Selection Advisory Board Brown University September 2011 – September 2015

MEMBERSHIP IN SOCIETIES

American Society of Neuroradiology	Senior Member, 2006 - present Scientific session moderator, 2008 annual meeting Editorial Board, AJNR, 2009 – 2017 Member, Clinical Practice Committee, 2012- present Member, Health Policy Committee, 2014-present
Society of NeuroInterventional Surgery	Senior Member, 2006 - present Program Committee, 2009 SNIS Practicum Program Committee, 2010 SNIS Annual Meeting Program Committee, 2012 SNIS Annual Meeting Program Committee, 2014 IESC CV Section Meeting Program Committee, 2015 SNIS Annual Meeting Ad hoc reviewer, Journal of NeuroInterventional Surgery Member, Membership committee, Oct 2011-2014 Chair, Standards and Guidelines committee, Jan 2013-2016 Program Co-Chair, 2016 SNIS Annual Meeting Member at Large, SNIS Board, 2016-2017 Audit chair, SNIS Board, 2017-2019 Treasurer, 2019-2021 Vice President, 2021-2022 President-Elect, 2022-2023 President, 2023-2024

PUBLICATIONS LIST

ORIGINAL PUBLICATIONS IN PEER REVIEWED JOURNALS

1. Gady J, Boyan S, **Jayaraman M**, et al. HIV risk: no impact on medical student specialty choice. *R I Med* 1995; 78:293-294.
2. **Jayaraman MV**, Mayo-Smith WW, Movson JS, Dupuy DE, Wallach MT. CT of the duodenum: an overlooked segment gets its due. *Radiographics, Radiographics*. 2001 Oct; 21 Spec No: S147-60.
3. **Jayaraman M**, Davis LM. Schwannoma, Cranial Nerve. eMedicine from WebMD. Updated March 17, 2010. Available at: <http://emedicine.medscape.com/article/336141-overview>.
4. Watabe B, **Jayaraman M**, Ramos D. A torsed uterine fibroid presenting as a radiologic challenge. *Med Health R I*. 2003 Jan;86(1):21
5. **Jayaraman MV**, Mayo-Smith WW, Doberstein CE. Intracranial aneurysm of the anterior inferior cerebellar artery: demonstration by multi-detector CT angiography. *AJNR Am J Neuroradiol*. 2003 Aug;24(7):1338-40.
6. Mayo-Smith WW, **Jayaraman MV**, Han RS, Dupuy DE, Movson JS. Multi-institutional computer database for recording nonvascular image-guided interventions. *AJR Am J Roentgenol*. 2003 Dec;181(6):1491-3.
7. **Jayaraman MV**, Mayo-Smith WW, Tung GA, Haas RA, Rogg JM, Mehta NR, Doberstein CE. Detection of intracranial aneurysms: multi-detector row CT angiography compared with DSA. *Radiology*. 2004 Feb;230(2):510-8.
8. **Jayaraman MV**, Mayo-Smith WW. Multi-detector CT angiography of the intra-cranial circulation: normal anatomy and pathology with angiographic correlation. *Clin Radiol*. 2004 Aug;59(8):690-698.
9. Lansberg MG, Fields JD, Albers GW, **Jayaraman MV**, Do HM, Marks MP. Mechanical thrombectomy following intravenous thrombolysis in the treatment of acute stroke. *Arch Neurol* 2005; 62:1763-1765.
10. Marks MP, Wojack JC, Al-Ali F, **Jayaraman M**, Marcellus ML, Connors JJ, Do HM. Angioplasty for symptomatic intracranial stenosis: Clinical outcome. *Stroke* 2006 Apr;37(4):1016-1020.
11. Li G, **Jayaraman MV**, Lad SP, Adler J, Do H, Steinberg GK. Carotid and vertebral rete mirabile in man presenting with intraparenchymal hemorrhage: A case report. *Journal of Stroke and Cerebrovascular Disease* Sep 2006 (15) 228-231.
12. Yoon W, Seo JJ, Kim TS, Do HM, **Jayaraman MV**, Marks MP. Dissection of the V4 segment of the vertebral artery: clinicoradiologic manifestations and endovascular treatment. *Eur Radiol* . 2007 Apr;17(4):983-93. Epub 2006 May 3.
13. **Jayaraman MV**, Do HM, Marks MP. Treatment of traumatic cervical arteriovenous fistulas with N-butyl-2-cyanoacrylate. *AJNR Am J Neuroradiol* 2007; 28(2):352-354.
14. **Jayaraman MV**, Marcellus ML, Do HM, Chang SD, Rosenberg JK, Steinberg GK, Marks MP. Hemorrhage rate in patients with Spetzler-Martin grades IV and V arteriovenous malformations. Is treatment justified? *Stroke* 2007; 38(2):325-329.
15. **Jayaraman MV**, Do HM, Versnick EJ, Steinberg GK, Marks MP. Morphological assessment of middle cerebral artery aneurysms for endovascular treatment. *Journal of Stroke and Cerebrovascular Disease* Mar Apr 2007 (16) 52-56.

16. Mellion ML, **Jayaraman MV**. Use of Neuroimaging in the workup of headache. *Med Health R I*. 2007 Aug; 90(8):249-250.
17. **Jayaraman MV**, Marcellus ML, Hamilton S, Do HM, Campbell D, Chang SD, Steinberg GK, Marks MP. Neurologic Complications of Arterio-venous malformation embolization using liquid embolic agents. *AJNR Am J Neuroradiol*. 2008 Feb;29(2):242-6.
18. Diehn M, Nardini C, Wang DS, McGovern S, **Jayaraman M**, Liang Y, Aldape K, Cha S, Kuo MD. Identification of noninvasive imaging surrogates for brain tumor gene-expression modules. *Proc Natl Acad Sci U S A*. 2008 Apr 1;105(13):5213-8.
19. **Jayaraman MV**. Neurovascular imaging. *Top Magn Reson Imaging*. 2008 Oct;19(5):223
20. **Jayaraman M**, Cloft HJ. Embolization of Brain Arteriovenous Malformations for Cure: Because We Could or Because We Should? *AJNR Am J Neuroradiol*. 2009 Jan;30(1):107-8.
21. **Jayaraman MV**, Chang HS, Ahn SH. An easily identifiable anatomic landmark for fluoroscopically guided sacroplasty: Anatomic description and validation with treatment in 13 patients. *AJNR Am J Neuroradiol*. 2009 May; 30(5): 1070-3.
22. Baek H, **Jayaraman MV**, Karniadakis G. Wall Shear Stress and Pressure Distribution on Aneurysms and Infundibulae in the Posterior Communicating Artery Bifurcation. *Ann Biomed Eng*. 2009 Dec;37(12):2469-87.
23. Vance AZ, **Jayaraman MV**, Dubel GJ, Doberstein CE, Haas RA. Safety of intravenous heparin administration after endovascular treatment of ruptured intracranial aneurysms. *J NeuroIntervent Surg* Dec 2009;1:136-141
24. Baek H, **Jayaraman MV**, Richardson PD, Karniadakis GE. Flow instability and Wall Shear Stress variation in intracranial aneurysms. *J R Soc Interface*. 2009 Dec 18.
25. McTaggart RA, **Jayaraman MV**, Haas RA, Feldman E. Intracranial atherosclerotic disease: epidemiology, imaging and treatment. *Med Health R I*. 2009 Dec;92(12):412-4.
26. Vance AZ, **Jayaraman MV**, Haas RA, Doberstein CE. Intracranial aneurysms: perspectives on the disease and endovascular therapy. *Med Health R I*. 2009 Dec;92(12):388-93.
27. Ahn SH, **Jayaraman MV**. What is interventional radiology? *Med Health R I*. 2009 Dec;92(12):388.
28. **Jayaraman MV**, Haas RA, Do HM, Meyers PM. Should routine CT angiography be performed in patients with suspected aneurysmal subarachnoid hemorrhage? NO!. *Radiology*. 2010 Jan;254(1):314-5;
29. **Jayaraman MV**, McTaggart RA, Sachs GM, Doberstein CE. Cerebellar pial AVM presenting with medullary venous hypertension: imaging and endovascular treatment *J NeuroIntervent Surg*.. 2010;2:38-40
30. McTaggart RA, Raghavan D, Haas RA, **Jayaraman MV**. StarClose Vascular Closure Device: Safety and Efficacy of Deployment and Reaccess in a Neurointerventional Radiology Service. *AJNR Am J Neuroradiol*. 2010 Jun;31(6):1148-50
31. Prince EA, **Jayaraman MV**, Haas RA. The use of self expanding intracranial stents in the treatment of acute ischemic stroke. *JVIR Journal of Vascular Interventional Radiology*. 2010 Nov;21(11):1755-9
32. Spader HS, Doberstein CE, Rao AJ, **Jayaraman MV**. Central fever as an early predictor of vasospasm in a child with isolated IVH. *Clinical Neurology Neurosurgery*. 2010 Oct 26.
33. Anor T, Grinberg L, Baek H, Madsen JR, **Jayaraman MV**, Karniadakis GE. Modeling of blood flow in arterial trees. *Wiley Interdiscip Rev Syst Biol Med*. 2010 Sep-Oct;2(5):612-23
34. Prince EA, **Jayaraman MV**, Haas RA. Angiographically documented hemorrhagic conversion of a left MCA embolic stroke during intraarterial thrombolysis. *J NeuroIntervent Surg*. 2011(3):246-248.

35. McGillen KA, **Jayaraman MV**, Haas RA. Fluoroscopy markers for minimizing patient and operator radiation exposure during neurointerventional procedures – A call to arms. *J Neurointerv Surg.* 2011 Dec 1;3(4):312-3.
36. Grossberg JA, Potter NS, **Jayaraman MV**. Asymptomatic carotid stenosis: screening and management. *Med Health R I.* 2011 Apr;94(4):89-92
37. Vasudevan K, Spader HS, Grossberg JA, Murphy T, **Jayaraman MV**. Successful endovascular treatment of a holo-hemispheric cerebral arteriovenous fistula in an infant. *J Neurointerv Surg.* 2012 Sep;4(5):e26.
38. Gupta AC, Yoo AJ, Stone J, Barr JC, Brook A, Tutton S, Ortiz O, Hirsch AE, Larvie M, Frey ME, **Jayaraman MV**, Hirsch JA. Percutaneous sacroplasty. *J Neurointerv Surg.* 2012 Sep;4(5):385-9
39. **Jayaraman MV**, Meyers PM, Derdeyn CP, Fraser JF, Hirsch JA, Hussain MS, Blackham KM, Eskey CJ, Jensen ME, Moran CJ, Prestigiacomo CJ, Rasmussen PA, McDougall CG. Reporting Standards for Angiographic Evaluation and Endovascular Treatment of Cerebral Arteriovenous Malformations. *J Neurointerv Surg.* 2012 Sep;4(5):325-30.
40. **Jayaraman MV**, Boxerman JL, Davis LM, Haas RA, Rogg JM. Incidence of extrinsic venous compression of the internal jugular vein in unselected patients undergoing CT angiography. *AJNR Am J Neuroradiol.* 2012 Aug;33(7):1247-50.
41. Blackham KA, Meyers PM, Abruzzo TA, Albuquerque FC, Fiorella D, Fraser J, Frei D, Gandhi CD, Heck DV, Hirsch JA, Hsu DP, **Jayaraman M**, Narayanan S, Prestigiacomo C, Sunshine JL; on behalf of the Society for NeuroInterventional Surgery. Endovascular therapy of acute ischemic stroke: report of the Standards of Practice Committee of the Society of NeuroInterventional Surgery. *J Neurointerv Surg.* 2012 Mar 1;4(2):87-93. Epub 2012 Jan 24.
42. **Jayaraman MV**, Haas RA, Ahn SH. Intra-arterial therapy for acute stroke: Trials and Tribulations. *Med Health RI.* 2011 Dec;94(12):357-9. Review.
43. Boxerman JL, **Jayaraman MV**, Mehan W, Haas RA, Rogg JM. Clinical Stroke Penumbra: Use of NIH Stroke Scale as a Surrogate for CT Perfusion in Patient Triage for Intra-arterial MCA Stroke Therapy. *AJNR Am J Neuroradiol.* 2012 Nov;33(10):1893-900.
44. Cockroft KM, **Jayaraman MV**, Meyers PM, Connolly ES, Derdeyn CP, Amin-Hanjani S, Wilson J, McDougall CG. A Perfect Storm: How ARUBA's Trial Design Challenges Notions of External Validity. *Stroke.* 2012 Jul;43(7):1979-81.
45. Duffis EJ, Gandhi CD, Prestigiacomo CJ, Abruzzo T, Albuquerque F, Bulsara K, Derdeyn CP, Fraser FJ, Hirsch JA, Hussain MS, **Jayaraman MV**, Meyers PM, Narayanan S. Head, neck and brain tumor embolization guidelines. *J Neurointerv Surg.* 2012 Jul;4(4):251-5.
46. **Jayaraman MV**, Grossberg JA, Meisel KM, Shaikhouani A, Silver B. The clinical and radiographic importance of distinguishing partial from near-complete reperfusion following intra-arterial stroke therapy. *AJNR Am J Neuroradiol.* 2013 Jan;34(1):135-9.
47. Hussain MS, Fraser JF, Abruzzo T, Blackham KA, Bulsara KR, Derdeyn CP, Gandhi CD, Hirsch JA, Hsu DP, **Jayaraman MV**, Meyers PM, Narayanan S, Prestigiacomo CJ, Rasmussen PA; On behalf of the Society for NeuroInterventional Surgery. Standard of practice: endovascular treatment of intracranial atherosclerosis. *J Neurointerv Surg.* 2012 Nov;4(6):397-406.
48. Narayanan S, Hurst RW, Abruzzo TA, Albuquerque FC, Blackham KA, Bulsara KR, Derdeyn CP, Gandhi CD, Hirsch JA, Hsu DP, Hussain MS, **Jayaraman MV**, Meyers PM, Patsalides A, Prestigiacomo CJ. Standard of practice: embolization of spinal arteriovenous fistulae, spinal arteriovenous malformations, and tumors of the spinal axis. *J Neurointerv Surg.* 2013 Jan 1;5(1):3-5.
49. **Jayaraman MV**. Cerebral Angiography: Not Yet ready to Join the Dinosaurs. *AJNR Am J Neuroradiol.* 2013 Mar 14. [Epub ahead of print]

50. Hirsch JA, Becker GJ, Derdeyn CP, **Jayaraman MV**, Traynelis VC, Meyers PM. Maintenance of certification: part 2--continuous certification. *J Neurointerv Surg*. 2013 Mar 15. [Epub ahead of print]
51. Patsalides A, Bulsara KR, Hsu DP, Abruzzo T, Narayanan S, **Jayaraman MV**, Duckwiler G, Klucznik RP, Kelly M, Hirsch JA, Heck D, Sunshine J, Frei D, Alexander MJ, Do HM, Meyers PM. Standard of practice: embolization of ruptured and unruptured intracranial aneurysms. *J Neurointerv Surg*. 2013 Apr 10. [Epub ahead of print]
52. Fraser JF, Hussain MS, Eskey C, Abruzzo T, Bulsara K, English J, Blackham K, Do HM, Prestigiacomo C, **Jayaraman MV**, Patsalides A, Kelly M, Sunshine JL, Meyers P; on behalf of the Society for NeuroInterventional Surgery. Reporting standards for endovascular chemotherapy of head, neck and CNS tumors. *J Neurointerv Surg*. 2013 Jul 4. [Epub ahead of print] PubMed PMID: 23828325.
53. Narayanan S, Singer R, Abruzzo TA, Hussain MS, Powers CJ, Prestigiacomo CJ, Heck DV, Sunshine JL, Kelly M, **Jayaraman MV**, Meyers PM; on behalf of the Standards and Guidelines Committee of the Society of NeuroInterventional Surgery. Reporting standards for balloon test occlusion. *J Neurointerv Surg*. 2013 Jun 22. [Epub ahead of print] PubMed PMID: 23794674.
54. Ratanaprasatporn L, Grossberg JA, Spader HS, **Jayaraman MV**. Endovascular treatment of acute carotid occlusion. *Clin Neurol Neurosurg*. 2013 Oct 23. doi:pii: S0303-8467(13)00416-2. 10.1016/j.clineuro.2013.10.008. [Epub ahead of print]
55. Powers CJ, Hirsch JA, Hussain MS, Patsalides AT, Blackham KA, Narayanan S, Lee SK, Fraser JF, Bulsara KR, Prestigiacomo CJ, Gandhi CD, Abruzzo T, Do HM, Meyers PM, Albuquerque FC, Frei D, Kelly ME, Pride GL, **Jayaraman MV**; on behalf of the Standards and Guidelines committee of the Society of NeuroInterventional Surgery. Standards of practice and reporting standards for carotid artery angioplasty and stenting. *J Neurointerv Surg*. 2013 Nov 12. doi: 10.1136/neurintsurg-2013-011013. [Epub ahead of print]
56. Chandra RV, Meyers PM, Hirsch JA, Abruzzo T, Eskey CJ, Hussain MS, Lee SK, Narayanan S, Bulsara KR, Gandhi CD, Do HM, Prestigiacomo CJ, Albuquerque FC, Frei D, Kelly ME, Mack WJ, Pride GL, **Jayaraman MV**; on behalf of the Society of NeuroInterventional Surgery. Vertebral augmentation: report of the Standards and Guidelines Committee of the Society of NeuroInterventional Surgery. *J Neurointerv Surg*. 2013 Nov 6. doi: 10.1136/neurintsurg-2013-011012.
57. March BT, **Jayaraman MV**. Aneurysms, arteriovenous malformations, and dural arteriovenous fistulas: diagnosis and treatment. *Semin Roentgenol*. 2014 Jan;49(1):10-21.
58. Hirsch JA, Turk AS, Mocco J, Fiorella DA, **Jayaraman MV**, Meyers PM, Yoo AJ, Manchikanti L. Evidence-based clinical practice for the neurointerventionalist. *J Neurointerv Surg*. 2014 Feb 27. doi: 10.1136/neurintsurg-2014-011155. [Epub ahead of print]
59. **Jayaraman MV**, McTaggart RA. Future acute ischemic stroke trials should randomize on the angio table. *J Neurointerv Surg*. 2014 May 20. pii: neurintsurg-2014-011263. doi: 10.1136/neurintsurg-2014-011263. [Epub ahead of print] PubMed PMID: 24850155.
60. Gandhi CD, Bulsara KR, Fifi J, Kass-Hout T, Grant RA, Delgado Almandoz JE, English J, Meyers PM, Abruzzo T, Prestigiacomo CJ, Powers CJ, Lee SK, Albani B, Do HM, Eskey CJ, Patsalides A, Hetts S, Hussain MS, Ansari SA, Hirsch JA, Kelly M, Rasmussen P, Mack W, Pride GL, Alexander MJ, **Jayaraman MV**; SNIS Standards and Guidelines Committee. Platelet function inhibitors and platelet function testing in neurointerventional procedures. *J Neurointerv Surg*. 2014 Oct;6(8):567-77. doi: 10.1136/neurintsurg-2014-011357. Epub 2014 Jul 23. PubMed PMID: 25056369.
61. Gross R, Ali R, Kole M, Dorbeistein C, **Jayaraman MV**, Khan M. Tentorial dural arteriovenous fistula presenting as myelopathy: Case series and review of literature. *World J*

- Clin Cases. 2014 Dec 16;2(12):907-11. doi: 10.12998/wjcc.v2.i12.907. PubMed PMID: 25516869; PubMed Central PMCID: PMC4266842.
62. McTaggart RA, Jovin TG, Lansberg MG, Mlynash M, **Jayaraman MV**, Choudhri OA, Inoue M, Marks MP, Albers GW. Alberta Stroke Program Early Computed Tomographic Scoring Performance in a Series of Patients Undergoing Computed Tomography and MRI: Reader Agreement, Modality Agreement, and Outcome Prediction. *Stroke*. 2015 Feb;46(2):407-12.
 63. **Jayaraman MV**, Hussain MS, Abruzzo T, Albani B, Albuquerque FC, Alexander MJ, Ansari SA, Arthur AS, Baxter B, Bulsara KR, Chen M, Delgado-Almandoz JA, Fraser JF, Heck DV, Hetts SW, Kelly M, Lee SK, Leslie-Mawzi T, McTaggart RA, Meyers PM, Prestigiacomo C, Pride GL, Patsalides A, Starke RM, Tarr RW, Frei D, Rasmussen P; Standards and Guidelines Committee of the Society of NeuroInterventional Surgery (SNIS). Embolectomy for stroke with emergent large vessel occlusion (ELVO): report of the Standards and Guidelines Committee of the Society of NeuroInterventional Surgery. *J Neurointerv Surg*. 2015 May;7(5):316-21.
 64. Antevy P, McTaggart RA, **Jayaraman MV**. A revolution in stroke care. The results of recent stroke trials will have a profound impact on the EMS community. *EMS World*. 2015 May;44(5):21-5.
 65. Goyal M, Menon BK, Demchuk A, Saver JL, Eesa M, Majoie C, **Jayaraman M**, Hill MD. Proposed methodology and classification of Infarct in New Territory (INT) after endovascular stroke treatment. *J Neurointerv Surg*. 2015 Jun 16. pii: neurintsurg-2015-011839. doi: 10.1136/neurintsurg-2015-011839. [Epub ahead of print] Review.
 66. McTaggart RA, Ansari SA, Goyal M, Abruzzo TA, Albani B, Arthur AJ, Alexander MJ, Albuquerque FC, Baxter B, Bulsara KR, Chen M, Almandoz JE, Fraser JF, Frei D, Gandhi CD, Heck DV, Hetts SW, Hussain MS, Kelly M, Klucznik R, Lee SK, Leslie-Mawzi T, Meyers PM, Prestigiacomo CJ, Pride GL, Patsalides A, Starke RM, Sunenshine P, Rasmussen PA, **Jayaraman MV**; Standards and Guidelines Committee of the Society of NeuroInterventional Surgery (SNIS). Initial hospital management of patients with emergent large vessel occlusion (ELVO): report of the standards and guidelines committee of the Society of NeuroInterventional Surgery. *J Neurointerv Surg*. 2015 Aug 31. pii: neurintsurg-2015-011984. doi: 10.1136/neurintsurg-2015-011984. [Epub ahead of print] PubMed PMID: 26323793.
 67. Wojak JC, Abruzzo TA, Bello JA, Blackham KA, Hirsch JA, **Jayaraman MV**, Dariushnia SR, Meyers PM, Midia M, Russell EJ, Walker TG, Nikolic B. Quality Improvement Guidelines for Adult Diagnostic Cervicocerebral Angiography: Update Cooperative Study between the Society of Interventional Radiology (SIR), American Society of Neuroradiology (ASNR), and Society of NeuroInterventional Surgery (SNIS). *J Vasc Interv Radiol*. 2015 Nov;26(11):1596-608. doi: 10.1016/j.jvir.2015.07.002. Epub 2015 Sep 12. PubMed PMID: 26372000.
 68. Lee SK, Hetts SW, Halbach V, terBrugge K, Ansari SA, Albani B, Abruzzo T, Arthur A, Alexander MJ, Albuquerque FC, Baxter B, Bulsara KR, Chen M, Delgado Almandoz JE, Fraser JF, Frei D, Gandhi CD, Heck D, Hussain MS, Kelly M, Klucznik R, Leslie-Mawzi T, McTaggart RA, Meyers PM, Patsalides A, Prestigiacomo C, Pride GL, Starke R, Sunenshine P, Rasmussen P, **Jayaraman MV**; Standard and Guidelines Committee for the Society of Neurointerventional Surgery. Standard and Guidelines: Intracranial Dural Arteriovenous Shunts. *J Neurointerv Surg*. 2015 Nov 27. pii: neurintsurg-2015-012116. doi: 10.1136/neurintsurg-2015-012116. [Epub ahead of print] PubMed PMID: 26614491.
 69. Tracy A, Klinge P, Morrison J, **Jayaraman MV**, Kriz PK. Traumatic Superficial Temporal Artery Pseudoaneurysm in a Helmeted Lacrosse Player. *Curr Sports Med Rep*. 2016 Jan-Feb;15(1):13-15. PubMed PMID: 26745163.

70. Heit JJ, Do HM, Prestigiacomo CJ, Delgado-Almandoz JA, English J, Gandhi CD, Albuquerque FC, Narayanan S, Blackham KA, Abruzzo T, Albani B, Fraser JF, Heck DV, Hussain MS, Lee SK, Ansari SA, Hetts SW, Bulsara KR, Kelly M, Arthur AS, Patsalides A, Pride GL, Powers CJ, Alexander MJ, Meyers PM, **Jayaraman MV**; SNIS Standards and Guidelines committee. Guidelines and parameters: percutaneous sclerotherapy for the treatment of head and neck venous and lymphatic malformations. *J Neurointerv Surg*. 2016 Jan 22. pii: neurintsurg-2015-012255. doi: 10.1136/neurintsurg-2015-012255. [Epub ahead of print] PubMed PMID: 26801946.
71. Goyal M, Menon BK, Krings T, Patil S, Qazi E, McTaggart RA, Almekhlafi MA, Jehan R, Saver J, **Jayaraman MV**. What constitutes the M1 segment of the middle cerebral artery? *J Neurointerv Surg*. 2016 Jan 11. pii: neurintsurg-2015-012191. doi: 10.1136/neurintsurg-2015-012191. [Epub ahead of print] PubMed PMID: 26863104.
72. Lavine SD, Cockroft K, Hoh B, Bambakidis N, Khalessi AA, Woo H, Riina H, Siddiqui A, Hirsch JA, Chong W, Rice H, Wenderoth J, Mitchell P, Coulthard A, Signh TJ, Phatorous C, Khangure M, Klurfan P, terBrugge K, Iancu D, Gunnarsson T, Jansen O, Muto M, Szikora I, Pierot L, Brouwer P, Gralla J, Renowden S, Andersson T, Fiehler J, Turjman F, White P, Januel AC, Spelle L, Kulcsar Z, Chapot R, Spelle L, Biondi A, Dima S, Taschner C, Szajner M, Krajina A, Sakai N, Matsumaru Y, Yoshimura S, Ezura M, Fujinaka T, Iihara K, Ishii A, Higashi T, Hirohata M, Hyodo A, Ito Y, Kawanishi M, Kiyosue H, Kobayashi E, Kobayashi S, Kuwayama N, Matsumoto Y, Miyachi S, Murayama Y, Nagata I, Nakahara I, Nemoto S, Niimi Y, Oishi H, Satomi J, Satow T, Sugiu K, Tanaka M, Terada T, Yamagami H, Diaz O, Lylyk P, **Jayaraman MV**, Patsalides A, Gandhi CD, Lee SK, Abruzzo T, Albani B, Ansari SA, Arthur AS, Baxter BW, Bulsara KR, Chen M, Delgado Almandoz JE, Fraser JF, Heck DV, Hetts SW, Hussain MS, Klucznik RP, Leslie-Mawzi TM, Mack WJ, McTaggart RA, Meyers PM, Mocco J, Prestigiacomo CJ, Pride GL, Rasmussen PA, Starke RM, Sunenshine PJ, Tarr RW, Frei DF, Ribo M, Nogueira RG, Zaidat OO, Jovin T, Linfante I, Yavagal D, Liebeskind D, Novakovic R, Pongpech S, Rodesch G, Soderman M, terBrugge K, Taylor A, Krings T, Orbach D, Biondi A, Picard L, Suh DC, Tanaka M, Zhang HQ. Training Guidelines for Endovascular Ischemic Stroke Intervention: An International Multi-Society Consensus Document. *AJNR Am J Neuroradiol*. 2016 Feb 18. [Epub ahead of print] PubMed PMID: 26892982.
73. Teleb MS, Ver Hage A, Carter J, **Jayaraman MV**, McTaggart RA. Stroke vision, aphasia, neglect (VAN) assessment-a novel emergent large vessel occlusion screening tool: pilot study and comparison with current clinical severity indices. *J Neurointerv Surg*. 2016 Feb 17. pii: neurintsurg-2015-012131. doi: 10.1136/neurintsurg-2015-012131. [Epub ahead of print] PubMed PMID: 26891627.
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- Results from the ESCAPE-NA1 Trial. *AJNR Am J Neuroradiol*. 2021 Jun 24. doi: 10.3174/ajnr.A7183. Epub ahead of print. PMID: 34167959.
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 152. Mac Grory, B., Nossek, E., Reznik, M. E., Schrag, M., **Jayaraman, M.**, McTaggart, R., de Havenon, A., Yaghi, S., Feng, W., Furie, K., & Boyanpally, A. (2021). Ipsilateral internal carotid artery web and acute ischemic stroke: A cohort study, systematic review and meta-analysis. *PloS One*, 16(9), e0257697
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OTHER PEER REVIEWED PUBLICATIONS

BOOKS AND BOOK CHAPTERS

1. Lim M, Sinclair J, **Jayaraman MV**, Chang SD. Neurobase. Vein of Galen Malformations. Gilman S, Goldstein GW, Waxman SG. Medlink.com. 2004.
2. Lim M, Sinclair J, **Jayaraman MV**, Chang SD. Neurobase. Vein of Galen Malformations. Gilman S, Goldstein GW, Waxman SG. Medlink.com. 2005.
3. **Jayaraman MV**. Preoperative and Therapeutic endovascular approaches for spinal tumors. Tumors of the Spine. Kim DH, Chang U, Kim S et al. Saunders Philadelphia. 2008.

4. Vertinsky T, **Jayaraman MV**, Do HM. Radiographic Evaluation of Lesions within the Vertebrae. Tumors of the Spine. Kim DH, Chang U, Kim S et al. Saunders Philadelphia. 2008.
5. Vertinsky T, **Jayaraman MV**, Lane B. Radiographic Evaluation of Spinal Canal Tumors. Tumors of the Spine. Kim DH, Chang U, Kim S et al. Saunders Philadelphia. 2008.
6. **Jayaraman MV**, Boxerman JL. Adult Brain Tumors. Magnetic Resonance Imaging of the Brain and spine, 4th edition. Atlas SW. Lippincott, Williams and Wilkins. Philadelphia. 2009.
7. **Jayaraman MV**, Rizvi SA. Is MS a Vascular Disease? Clinical Neuroimmunology, 1st edition. Rizvi SA, Coyle P. Springer. In Press.

OTHER NON PEER-REVIEWED PUBLICATIONS

CORPORATE AUTHORSHIP OR MULTICENTER TRIALS

PUBLICATIONS SUBMITTED OR IN PREPARATION

ABSTRACTS

1. **Jayaraman MV**, Kimia BB, Tek H, Tung GA, Rogg JM. Semiautomated image segmentation of primary brain tumors based on deformable bubbles.[abstr]. RSNA '97 Scientific Program, 83th Scientific Assembly and Annual Meeting, Radiological Society of North America, Chicago, IL.
2. Mainiero MB, **Jayaraman MV**, Mayo-Smith WW, Lazarus E, Koelliker S, Schepps B. Multi-Institutional Computer Database for Tracking Percutaneous Image-Guided Breast Procedures. [abstr]. ARRS '01 Scientific Program, 102nd Annual Meeting, American Roentgen Ray Society, Atlanta, GA.
3. **Jayaraman MV**, Masson V, Dupuy DE., Cronan JJ. Color Doppler Ultrasound in the evaluation of thyroid nodules: A dream unfulfilled. [abstr]. ARRS '01 Scientific Program, 102nd Annual Meeting, American Roentgen Ray Society, Atlanta, GA.
4. **Jayaraman MV**, Mayo-Smith WW, Han RS, Dupuy DE, Movson, JS. Multi-Institutional Database for tracking CT and US-guided procedures. [abstr]. RSNA '01 Scientific Program, 87th Scientific Assembly and Annual Meeting, Radiological Society of North America, Chicago, IL.
5. **Jayaraman MV**, Dupuy DE, Hoell B, Mayo-Smith WW. Maximizing Radiologist Efficiency: Use of a Nurse Practitioner and Custom Database Software to Streamline a Busy Tumor Ablation Service. [abstr]. RSNA '02 Scientific Program, 88th Scientific Assembly and Annual Meeting, Radiological Society of North America, Chicago, IL.
6. **Jayaraman MV**, Mayo-Smith WW, Tung GA, Haas RA, Rogg JM, Mehta NR, Doberstein CE. Multidetector CT Angiography compared with Digital Subtraction Angiography in the Detection of Intracranial Aneurysms. [abstr]. RSNA '02 Scientific Program, 88th Scientific Assembly and Annual Meeting, Radiological Society of North America, Chicago, IL.
7. **Jayaraman MV**, Mayo-Smith WW, Haas RA, Doberstein CE. Does Multidetector CT Angiography Alone Provide Sufficient Information for Planning Endovascular or Surgical Treatment of Ruptured Intracranial Aneurysms? [abstr]. RSNA '03 Scientific Program, 89th Scientific Assembly and Annual Meeting, Radiological Society of North America, Chicago, IL.
8. **Jayaraman MV**, Do HM, Versnick EJ, Steinberg GK, Marks MP. Morphological assessment of Middle Cerebral Artery aneurysms for endovascular treatment. [abstr].

- ASNR '04 Scientific Program, 42nd Annual Meeting, American Society of Neuroradiology, Seattle, WA.
9. Do HM, Arakawa H, Curtis L, **Jayaraman MV**, Marks MP. Correlation of Pretreatment MR Imaging and Clinical Outcomes in Patients with Osteoporotic Vertebral Body Compression Fractures Treated with Percutaneous Vertebroplasty. [abstr]. ASNR '04 Scientific Program, 42nd Annual Meeting, American Society of Neuroradiology, Seattle, WA.
 10. **Jayaraman MV**, Marcellus ML, Do HM, Steinberg GK, Chang SD, Marks MP. Hemorrhage rate in patients with Spetzler-Martin Grade IV and V AVMs: Is treatment justified? [abstr]. AANS/ASITN Joint Meeting '05 Scientific Program, 8th Annual Joint Session meeting, American Association of Neurological Surgeons and American Society of Interventional and Therapeutic Neuroradiology, New Orleans, LA.
 11. **Jayaraman MV**, Marcellus ML, Do HM, Steinberg GK, Chang SD, Marks MP. Hemorrhage rate in patients with Spetzler-Martin Grade IV and V AVMs: Is treatment justified? [abstr]. ASNR '05 Scientific Program, 43rd Annual Meeting, American Society of Neuroradiology, Toronto, Canada.
 12. Marks MP, Wojack JC, Al-Ali F, **Jayaraman MV**, Marcellus ML, Connors JJ, Do HM. Angioplasty of Intracranial Stenosis: Long-term clinical outcome. [abstr]. ASNR '05 Scientific Program, 43rd Annual Meeting, American Society of Neuroradiology, Toronto, Canada.
 13. Arakawa H, Vavao J, **Jayaraman MV**, Do HM. Core Bone Biopsy and Percutaneous Vertebroplasty for Patients with Suspected Pathologic Vertebral Compression Fractures. [abstr]. ASNR '06 Scientific Program, 44rd Annual Meeting, American Society of Neuroradiology, San Diego, CA.
 14. Kuo M, Diehn M, Nardini C, Cha S, Wang D, **Jayaraman M**. MR Imaging correlation with Gene Expression Profiling Identifies Clinically Distinct Subtypes in Glioblastoma Multiforme. [abstr]. RSNA '06 Scientific Program, 92nd Scientific Assembly and Annual Meeting, Radiological Society of North America, Chicago, IL.
 15. Baek H, **Jayaraman MV**, Karniadakis GE. Distribution of WSS on the internal carotid artery with an aneurysm: A CFD sensitivity test. 2007 ASME International Mechanical Engineering Congress and Exposition, Seattle, WA.
 16. Powers K, **Jayaraman MV**. Non-invasive imaging of brain AVMs: Look beyond the nidus! (Educational Exhibit). RSNA '07 Scientific Program, 93rd Scientific Assembly and Annual Meeting, Radiological Society of North America, Chicago, IL.
 17. Heit JJ, Georganos SA, Dodd RL, **Jayaraman MV**, Do HM. Extra-Vertebral Osteoplasty Using Cement for the Treatment of Non-Healing Fractures of Pubic Ramus and Clavicle. [abstr]. 2008 Scientific Program, 33rd Society of Interventional Radiology Annual Meeting. Washington, D.C.
 18. Baek H, **Jayaraman MV**, Karniadakis GE, Wall shear stress distribution on aneurysms in the supraclinoid internal carotid artery, Fifth International Bio-Fluid Symposium and Workshop, California Institute of Technology, Pasadena, CA, 2008.
 19. Champion V, **Jayaraman MV**, Haas RA. Coils, stents and glue: Tools of the neurointerventional trade. (Educational Exhibit). RSNA '08 Scientific Program, 94th Scientific Assembly and Annual Meeting, Radiological Society of North America, Chicago, IL.
 20. Mehan WA, Boxerman JL, Rogg JM, Haas RA, **Jayaraman MV**. What Is the Added Value of CTP above CTA in Decision Making for Intra-Arterial Stroke Therapy? [abstr] RSNA '10 Scientific Program, 96th Scientific Assembly and Annual Meeting, Radiological Society of North America, Chicago, IL.

21. **Jayaraman MV**, Beland M.D., Atalay M.K., Ahn S.H., DiBisaio E., Rizvi S.A. Doppler waveform analysis of jugular venous flow in patients with and without Multiple Sclerosis. [abstr]. ASNR '11 Scientific Program. 49th Annual meeting, American Society of Neuroradiology, Seattle, WA.
22. Grossberg JA, **Jayaraman MV**, Shaikhouni A, Meisel K, Haas RA. Does pre-treatment CT perfusion decrease hemorrhage in intra-arterial stroke therapy? [abstr]. ASNR '11 Scientific Program. 49th Annual meeting, American Society of Neuroradiology, Seattle, WA.
23. **Jayaraman MV**, Boxerman JL, Silver B, Rogg JM. Can Patient selection for IA stroke therapy be optimized without “advanced imaging”? ePoster. ASNR '12 Scientific Program. 50th Annual meeting, American Society of Neuroradiology, New York, NY
24. **Jayaraman MV**, Kishkovich T, Baird GL, Hemendinger ML, Tung EL, Yaghi S, Cutting SM, Saad A, Burton T, Mac Grory B, Haas RA, Furie KL, McTaggart RA. Older Patients Benefit More From Complete Recanalization Following Thrombectomy [abstr]. Presented at International Stroke Conference 2018. Los Angeles CA.
25. **Jayaraman MV**, Hemendinger ML, Baird GL, Yaghi S, Cutting SM, Saad A, Siket MS, Madsen TE, Williams K, Furie KL, McTaggart RA. EMS Triage to CSC Reduces Time To Treatment And Improves Outcomes In Patients With Large Vessel Occlusion [abstr]. Presented at International Stroke Conference 2018. Los Angeles CA.
26. McTaggart RA, Moldovan KL, Oliver L, Baird GL, Hemendinger ML, Yaghi S, Haas RA, **Jayaraman MV**. Door-in Door-out Time at Primary Stroke Centers Predicts Outcome for Emergent Large Vessel Occlusion Patients [abstr]. Presented at International Stroke Conference 2018. Los Angeles, CA
27. **Jayaraman, MV**, Baird, G., Ouediat, K., Paolucci, G., Haas, R. A., Torabi, R., Moldovan, K., Rhodes, J., Potvin, J., Alexander-Scott, N., Yaghi, S., Madsen, T., Furie, K., & McTaggart, R. A.. Long-term effect of field triage on times to endovascular treatment for emergent large vessel occlusion [abstr]. Presented at 19th annual Society of Neurointerventional Surgery Meeting, 2022, Toronto, ON, CA.
28. Moldovan K, Singer J, Bohnstedt B, Peebles T, Altschul D, Chancellor B, Vadlamudi V, Hussain MS, Tsai J, Khalid A, Lawson M, Welch B, Patel A, **Jayaraman MV**. Real world performance of the Zoom aspiration system: Insights from the NVQI registry. Presented at 20th annual Society of Neurointerventional Surgery Meeting, 2023, San Diego, CA.

INVITED PRESENTATIONS

1. “Advances in Interventional Therapy for Ischemic Cerebrovascular Disease.” Stanford University Cardiovascular Nursing Symposium, Palo Alto, CA. October 18th, 2005 – Regional
2. “Advances in Therapy for Ischemic Cerebrovascular Disease” Cerebrovascular Disorders: Pathophysiology and Treatment, Stanford University, Stanford, CA. April 25th, 2006 – Regional
3. “Noninvasive imaging of Brain AVMs”. American Society of Interventional and Therapeutic Neuroradiology (ASITN) Practicum, San Diego, CA. May 5th, 2006 – National
4. “Intracranial Atherosclerosis” – Stanford University Neuroscience Nursing Symposium, Stanford, CA. March 8th, 2007 - Regional
5. “Interventional Neuroradiology: Minimally Invasive therapy for Stroke” – Ann Leveillee Neuroscience Nursing Conference, Providence, RI. March 28th, 2007 – Regional
6. “Interventional Neuroradiology: New horizons in minimally invasive therapy” – Grand Rounds, St. Luke’s Hospital, New Bedford, MA. April 12th, 2007 – Regional
7. “Interventional Neuroradiology: New horizons” – Indian medical association of New England annual CME course, Waltham, MA. April 14th, 2007 – Regional.

8. "Meet the professor session: Imaging of CNS Vasculitis/Vasculopathy" – American College of Rheumatology Annual Meeting, Boston, MA. November 3, 2007 – National.
9. "Brain AVMs: Natural History, Hemorrhage Risk and Endovascular Therapy" – Grand Rounds, Department of Neurology, University of Massachusetts Medical Center, Worcester, MA. April 8th, 2008 – Regional.
10. "Imaging and Endovascular Therapy for Acute Stroke" – Grand Rounds, Memorial Hospital, Pawtucket, RI. December 10th, 2008 – Regional.
11. "Practical Management of Venous Sinus Thrombosis" – Society of NeuroInterventional Surgery Practicum, Vancouver, Canada. May 16, 2009 – International
12. "Sacroplasty and extra-spinal osteoplasty" – Society of NeuroInterventional Surgery Practicum, Vancouver, Canada. May 17, 2009 – International
13. "CTA vs. DSA for SAH: Why DSA is the best" – Society of NeuroInterventional Surgery Practicum, Vancouver, Canada. May 17, 2009 – International
14. "MR Imaging of Hemorrhage". New England Roentgen Ray Society. March 5, 2010 (Regional)
15. "Penumbral Imaging does not help select patients for intraarterial therapy". Eastern Neuroradiology Society Meeting. September 16, 2011. (Regional)
16. "Curative embolizations for Brain AVMs and AVFs; Ready for Prime Time?". Stanford University Department of Neurosurgery Grand Rounds. Stanford, CA. April 6, 2012. (Regional)
17. "MOC Review: Cerebrovascular". 50th Annual meeting, American Society of Neuroradiology, New York, NY, April 25th, 2012. (International).
18. "NCCT Alone for IA patient selection". AANS/SNIS Joint Cerebrovascular International Endovascular Stroke Conference, San Diego CA, February 10th, 2014. (International)
19. "Curative embolizations for Brain AVMs and AVFs; Ready for Prime Time?". Cleveland Clinic Cerebrovascular center lecture, Cleveland, OH. October 30, 2014. (Regional)
20. "Acute Stroke Treatment: Time for a Revolution". Neurology Grand Rounds. Brown University/Rhode Island Hospital. February 19th, 2015 (Regional)
21. "Multimodality treatment of Brain AVMs". SNIS 12th annual meeting. San Francisco, CA July 29th, 2015. (International)
22. "Endovascular stroke thrombolysis and devices". Eastern Neuroradiology Society meeting. September 4th, 2015. Newport RI (Regional)
23. "Large Vessel Occlusion Therapy: Where is the evidence?". 54th Annual meeting, American Society of Neuroradiology, Washington, DC, May 25th, 2016. (International).
24. "EMS Protocols". SNIS 13th annual meeting. Boston, MA. July 25th, 2016. (International)
25. "Impact of multi-society training standards on US practice". ESMINT 8th Congress, Nice, France. Sep 9, 2016. (International)
26. "Acute Stroke Imaging: 2016 Update". Neurology Grand Rounds. Brown University/Rhode Island Hospital. October 14, 2016 (Regional)
27. "Acute Stroke Imaging". Northeast Cerebrovascular Coalition 11th annual meeting. October 22, 2016 (Regional).
28. "EMS Protocols save time". SVIN 3rd annual Stroke workshop. New York, NY. November 16th, 2016 (International)
29. "ELVO Revolution: Thrombectomy for all". Spectrum Health Neuroscience Grand Rounds. January 4th, 2017 (Regional).
30. "Diverting ELVO patients to a CSC: Will US need legislation?". 5T Stroke conference. Banff, Alberta, Canada. March 11th, 2017 (International)
31. "Distal occlusion of eloquent branch after proximal thrombectomy: My approach". 5T Stroke conference. Banff, Alberta, Canada. March 12th, 2017 (International)
32. "Mechanical Thrombectomy for low ASPECTS". SNIS 14th annual meeting. Colorado Springs, CO. July 24th, 2017. (International)
33. "Stroke thrombectomy workshop". SNIS 14th annual meeting. Colorado Springs, CO. July 25th,

2017. (International)
34. "ELVO patients need to get to thrombectomy centers: Roadmap for success with EMS". SNIS 14th annual meeting. Colorado Springs, CO. July 26th, 2017. (International)
 35. "EMS Stroke Care". New England Council for Emergency Medical Services. Newport, RI November 20th, 2017. (Regional)
 36. "Thrombectomy: How I do it". 5T Stroke conference. Banff, Alberta, Canada. May 5th, 2018 (International)
 37. "Stroke Thrombectomy: Show me the evidence". 56th Annual meeting, American Society of Neuroradiology, Vancouver, BC, Canada, June 4th, 2018. (International).
 38. "Stroke Trial Updates". Advanced Interventional Management meeting, New York, NY. November 15, 2018 (International)
 39. "To bypass or not bypass a Primary Stroke Center: It's no longer a question". Advanced Interventional Management meeting, New York, NY. November 15, 2018 (International)
 40. "Acute Stroke imaging" – Grand Rounds, University of Maryland, January 23, 2019 (Regional)
 41. "Stroke Thrombectomy: Bringing the Cure" – Grand Rounds, University of Maryland, January 23, 2019 (Regional)
 42. "Advanced imaging at the PSC: Yes!" – Northeast Cerebrovascular Coalition meeting. October 25, 2019 (Regional)
 43. "Prehospital Evaluation for Optimization of Door to Recanalization in LVO Patients" – Society of Neurointerventional Society Webinar – November 7, 2019 (International)
 44. "The ELVO Revolution continues" – Brown University Neurology Grand Rounds, November 20, 2019 (Regional)
 45. "Who should triage ELVO – Neurointerventionalists" – Society of Vascular and Interventional Neurology Annual meeting. November 21, 2019 (International).
 46. "Imaging for triaging ELVO - Keep it Simple: NCCT/CTA and straight to angio" – American Society of Neuroradiology, June 7, 2020 (International).
 47. "Thrombolysis in ELVO patients" – Society of Neurointerventional Society Webinar – June 25, 2020 (International)
 48. "Anesthesia for ELVO patients – how should we proceed?" – Society of Neurointerventional Society Webinar – September 10, 2020 (International)
 49. "The future for stroke thrombectomy: What is next". RSNA/ECR Transatlantic course – presented virtually – October, 2020 (International)
 50. "EMS Stroke Rounds" – Sturdy Memorial Hospital EMS Rounds, November 17, 2020 (Regional)
 51. "The future for stroke thrombectomy: What is next". RSNA/ECR Transatlantic course – presented virtually – November, 30, 2020 (International)
 52. "The future for stroke thrombectomy: What is next". RSNA/ECR Transatlantic course – presented virtually – March 6, 2021 (International)
 53. "Integrating APPs into Neurovascular disease: Our model". SNIS 19th annual meeting. Toronto, ON, Canada. July 27th, 2022. (International)
 54. "Arterial Access for Stroke". SNIS Fellows Course. Toronto, ON, Canada. July 29th, 2022. (International)
 55. "The ELVO Revolution". Northwestern University Grand Rounds. Chicago, IL. August 3rd, 2022 (Regional)
 56. "Expanding Indications for Thrombectomy". SNIS 20th annual meeting. San Diego, CA. August 2nd, 2023. (International)
 57. "How and When to approach Distal Thrombectomy". SNIS Fellows Course. San Diego, CA. August 4, 2023. (International)

GRANTS

July 2010- July 2013

Department of Diagnostic Imaging Seed Grant
“Analysis of jugular venous flow patterns in patients with multiple sclerosis”

UNIVERSITY TEACHING ROLES

Brown University

Rad-629 - Diagnostic Radiology
August 2006 – Present

Responsible for teaching Brown Medical students rotating through department of Diagnostic Imaging.

Rad-636 – Neuroradiology
August 2006 – Present

Responsible for teaching Brown Medical students rotating through Neuroradiology elective.

Rad-627 – Longitudinal Ambulatory Clerkship in Vascular & Interventional Radiology
August 2006 – Present

Involved in introducing Brown Medical students to clinical aspects of patient evaluation and workup for patients with cerebrovascular disease who may be candidates for endovascular treatment.

Rad-632 – Vascular & Interventional Radiology
August 2006 – Present

Involved with teaching Brown Medical students who rotate through the VIR section during the elective, especially with aspects pertaining to Interventional Neuroradiology – patient selection, approach to minimally invasive therapy selection and post-treatment management.

HOSPITAL TEACHING ROLES

Stanford University

Department of Radiology

Responsible for teaching Radiology residents, and
Neuroradiology fellows
July 2003-June 2006

Rhode Island Hospital

Department of Diagnostic Imaging
Responsible for teaching Radiology residents and fellows
August 2006-Present

Department of Neurosurgery
Responsible for education of residents, including during
the mandatory Interventional Neuroradiology rotation
August 2006 – Present

Department of Neurology
Responsible for the education of residents, including
monthly morning report and during conferences.
August 2006 – Present