

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 MV**, Davis LM. Schwannomas, cranial nerves – radiology/brain and spine. *eMedicine Journal*. March 28 2002, Volume 3, Number 3
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 intracranial 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 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.
20. **Jayaraman MV**, Chang HS, Ahn SH. An easily identifiable anatomic landmark for fluoroscopically guided sacroplasty: Anatomic description and validation with treatment in 13 patients. In Press, *AJNR Am J Neuroradiol*.

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.

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, 44th 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.