

Hamidreza Aliabadi, MD, FAANS

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Education

MD 2003 Medical College of Virginia, Virginia Commonwealth University
BS 1999 University of Maryland, College Park, Neurobiology
BS 1999 University of Maryland, College Park, Nutritional Sciences

Work Experience

2015 - 2017, Division Chief, Neurosurgery, Dignity Health Hospitals, Mercy San Juan Hospital
2010 - present, Neurosurgeon, Spine and Neurosurgery Associates
2010 - present, Neurosurgeon, Dignity Health Neurological Institute
2010 - present, Neurosurgeon, Sutter Independent Physicians
2010 - present, Clinical Faculty, Department of Neurosurgery, University of California, San Francisco
2010 - present, Medical-Legal Expert Reviewer
2013 - 2017, Assistant Clinical Professor, California Northstate University College of Medicine
2009 - 2010, Chief Resident, Neurosurgery – Duke University Hospital
2005 - 2010, Neurosurgical Residency – Duke University Hospital
2007 - 2008, Post-Doctoral Neuro-Oncology Research Fellowship – Duke University
2004 - 2005, Neurosurgical Residency – Barrow Neurological Institute
2003 - 2004, General Surgery Internship – Phoenix Integrated Surgical Residency
2000, Research Fellow – Medical College of Virginia, Department of Neurosurgery
1998, NIH Research Intern – NIH-National Institute of Neurological Disorders and Stroke
1997, Howard Hughes Research Fellowship – University of Maryland, Neurophysiology Laboratory
1996, Faculty Research Assistant – USDA Diet and Human Performance Laboratory
1994, Research Assistant – USDA Metabolism and Nutrient Interactions Laboratory

Honors

2007 Southern Neurosurgical Society Award – Basic Science Research Award
2007 Duke University Neurosurgery Resident Scholar of the Year
Alpha Omega Alpha
2002 Susan Mellette Scholar
2001 Susan Mellette Scholar
Phi Beta Kappa
University of Maryland University Honors Citation
Facchina Nutrition Scholar

Licenses, Certification, and Memberships

Diplomate, American Board of Neurological Surgery
California Medical Board License
California Fluoroscopy Supervisor and Operator Permit
Passed American Board of Neurological Surgeons Oral Examinations (2015)
Passed American Board of Neurological Surgeons Written Examination (2008)
Passed United States Medical Licensing Examination: Step 1 (2001), Step 2 (2002), Step 3 (2004)
American Association of Neurological Surgeons, Fellow Member
Congress of Neurological Surgeons
California Association of Neurological Surgeons

Publications

- Kusumi, M., Oka, H., **Aliabadi, H.**, Sato, S., and Kumabe, T. The appropriate surgical approach to a greater petrosal nerve schwannoma in the setting of temporal lobe edema, *World Neurosurgery*, January 2016; (85): 364.e5-364.e10.
- Aliabadi, H.** Metastatic Brain Tumors: A Brief Review, *Pathways in Cancer*, Fall 2014, 3(1): 2.
- Aliabadi, H.** Cervical Spine Degenerative Disease and Stenosis: Diagnosis and Treatment, *Synapse*, Fall 2013, 4(2): 7.
- Nonaka, Y., **Aliabadi, H.**, Friedman, A., Odere, F., and Fukushima, T. Calcifying pseudoneoplasms of the skull base presenting with cranial neuropathies – Case report and literature review, *J Neurol Surg Rep*, July 2012; (73): 41-47.
- Aliabadi, H.**, Nikpour, A., and Alexander, M. Tension pneumoventricle resulting from dehiscence of the tegmen tympani, *J Surg Radiol*, July 2012; (3): 158-61.
- Kusumi, M., Fukushima, T., **Aliabadi, H.**, Mehta, A., Noro, S., Rosen, C., and Fujii, K. Microplate-bridge technique for watertight dural closures in the combined petrosal approach: Technical note, *Neurosurgery*, June 2012, 70(2 Suppl Operative): 264-269.
- Kusumi, M., Fukushima, T., Mehta, A., **Aliabadi, H.**, Nonaka, Y., Friedman, A., and Fujii, K. Tentorial detachment technique in the combined petrosal approach for petroclival meningiomas, *J Neurosurg*, March 2012, 116(3): 566-573.
- Aliabadi, H.** A Minimally Invasive Approach to Lumbar Spinal Stenosis, *Synapse*, Spring 2011, 2(2): 6.
- Mehta, A., Papanastassiou, A., Dunn, I., **Aliabadi, H.**, and Smith, E. Redefining the Seat Belt Syndrome - Neurological Injuries Resulting from Flexion-Distraction Injury of the Spine: Case Illustration and Review of the Literature, *J Surg Radiol*, April 2011, 2(2): 182-186.
- Aliabadi, H.**, Reynolds, R., Powers, C., Grant, G., Fuchs, H., and Kurtzberg, J. Clinical outcome of cerebrospinal fluid shunting for communicating hydrocephalus in mucopolysaccharidoses I, II, and III: a retrospective analysis of 13 patients, *Neurosurgery*, December 2010; 67(6), 1476-1482.
- Aliabadi, H.**, Vredenburg, J., Everson, R., Desjardins, A., Friedman, H., Tucci, D., and Sampson, J. Bevacizumab fails to treat temporal paraganglioma: Discussion and case illustration, *J Neurooncol*, 2010; 98(3): 427-430.
- Aliabadi, H.** and Isaacs, R. Lumbar spinal stenosis: A Brief Review, *Neurosurgery Quarterly*, 2009; 19(3): 200-206.
- Aliabadi, H.**, Miller, J., Radhakrishnan, S., Mehta, A., Thomas, K., Selznick, L., Goldberg, R., Grant, G., and Fuchs, H. Spontaneous intrauterine depressed skull fractures, *Neuropediatrics*, April 2009; 40(2): 73-75.
- Aliabadi, H.** and Osenbach, R. Intrathecal drug delivery device infection and meningitis due to Mycobacterium fortuitum: A Case Report, *Neuromodulation*, November 2008; 11(4): 311-314.
- Aliabadi, H.**, Pradhan, A., Nakaji, P., Grant, G., and Fuchs, H. Miliary tuberculosis presenting with neurological symptoms, *BNI Quarterly*, 2008; 24(1): 23-26.
- Aliabadi, H.**, Yoo, D., Herndon, J., Sampson, J., and Kirkpatrick, J. Evaluation of dose distribution in pre-operative versus post-operative stereotactic radiosurgery of single brain metastases, *Neuro-Oncology*, October 2008; 10(5), RO-29: 889-890.
- Aliabadi, H.** and Grant, G. Congenital thoracolumbar spine deformities, *Neurosurgery*, September 2008; 63(3 Suppl): 78-85.
- Bulsara, K., Asaoka, K., **Aliabadi, H.**, Kanaly, C., Friedman, A., and Fukushima, T. Morphometric three-dimensional computed tomography anatomy of the hypoglossal canal, *Neurosurg Rev*, July 2008; (3): 299-302.
- Aliabadi, H.** and Alexander, M. Tension pneumoventricle resulting from dehiscence of the tegmen tympani, *Neurocrit Care*, February 2008, 8(1): 86.
- Aliabadi, H.**, A deleterious interaction between copper deficiency and sugar ingestion may be the missing link in heart disease, *Medical Hypotheses*, 2008; 70(6): 1163-1166.
- Aliabadi, H.**, Nikpour, A., Yoo, D., Herndon, J., Sampson, J., and Kirkpatrick, J. Pre-operative stereotactic radiosurgery is preferred to post-operative treatment for smaller solitary brain metastases. (submitted to *J Clin Neurol*)

Aliabadi, H., Retrospective analysis of minimally invasive lumbar laminectomy and interspinous fixation with fusion. (in preparation for Spine)

Aliabadi, H., Biglari, D., Gonzales, F., and Nakaji, P. Diffuse Idiopathic Skeletal Hyperostosis versus Ankylosing Spondylitis: Brief Case Review. BNI Quarterly, 2006; 22(4): 10-15.

Aliabadi, H., Chamberlin, G., and Flaster, M. Cerebral Amyloid Angiopathy: Review and Case Report. BNI Quarterly, 2004; 20(3): 23-25.

Xue, Q., **Aliabadi, H.**, and Hallfrisch, J. Effects of dietary galactose and fructose on rats fed diets marginal or adequate in copper for 9-21 months. Nutrition Research, 21(7): 1078-1087, 2001.

Xue, Q., **Aliabadi, H.**, and Hallfrisch, J. Effects of dietary galactose and fructose on rats fed diets marginal or adequate in copper for 9-21 months. The FASEB Journal, 11(3): A404, 1997.

Clinical Protocols

Aliabadi, H. A prospective study on the clinical outcomes of minimally invasive lumbar decompressive laminectomy and fusion in the setting of interspinous fixation. IRB-approval, August 2015.

Aliabadi, H., Sampson, J., and Kirkpatrick, J. Phase II single-arm study of post-operative stereotactic radiosurgery for brain metastases. IRB-approval, June 2008.

Aliabadi, H., Sampson, J., and Kirkpatrick, J. Phase II single-arm study of pre-operative stereotactic radiosurgery for brain metastases. IRB-approval, June 2008.

Aliabadi, H., Sampson, J., and Kirkpatrick, J. Evaluation of dose distribution in pre-operative versus post-operative stereotactic radiosurgery of single brain metastases. IRB-approval, March 2008.

Presentations

- Lumbar spine pathologies, Auburn, California, December 2015.
- Degenerative spine disease and treatments, Auburn, California, July 2015.
- Neurostimulation, Auburn, California, July 2015.
- Low Back Pain 101 Seminar, Auburn, California, April 2015.
- Mercy San Juan Hospital Neurosurgery Staff In-service, October 2014.
- Anatomy Conserving Technologies, Roseville, California, September 2014.
- Hemostasis in cranial and spinal surgery, Orthopedic Trauma Society Meeting, San Jose, California, June 2014.
- Lumbar Spinal Stenosis, Sacramento, California, May 2014.
- Spinal Cord Stimulation, Roseville, California, April 2014.
- Spinal Cord Stimulators and Chronic Pain, Roseville, California, March 2014.
- Lower back and sciatic pain, Mehr Organization Community Talk, Rancho Cordova, California, January 2014.
- Hemostasis in cranial and spinal surgery, Neurosurgical Physician Assistants Talk, San Francisco, California, October 2013.
- Use of osteobiologics for spinal fusion surgery, Biomet Talk, Parsippany, New Jersey, July 2013.
- Dignity Health Spine Surgery, Roseville, California, June 2013.
- Mercy Neurological Institute Insights and Innovations Talk, Sacramento, California, November 2012.
- Brain Tumor Overview, Dignity Health, Sacramento, California, October 2012.
- Spinal Cord Stimulation, St. Jude Talk, Roseville, California, August 2012.
- Basics of Spine Surgery, Dignity Health Symposium, Roseville, California, April 2012.
- Hemostasis in brain tumor surgery, Johnson and Johnson Talk, Dallas, Texas, March 2012.
- Pituitary Basics, Mercy San Juan Hospital Neurological Grand Rounds, February 2012.
- Mercy Spine Symposium, Sacramento, California, November 2011.
- Low back pain, Lincoln, California, October 2011.
- Spinal Cord Stimulation, Mercy Medical Center, Sacramento, California, June 2011.
- Brain Metastases, Mercy San Juan Hospital Neurological Grand Rounds, June 2011.
- Lumbar Degenerative Disc Disease, Mercy San Juan Hospital Neurological Grand Rounds, May 2011.
- Normal Pressure Hydrocephalus, Codman Talk, Roseville, California, May 2011.
- Spinal Cord Stimulation, St. Jude Talk, Roseville, California, March 2011.
- Lumbar Degenerative Disc Disease, Sutter Auburn Hospital, February 2011.
- Cervical Spine Degenerative Disease, Mercy San Juan Hospital Neurological Grand Rounds,

February 2011.

- Stereotactic radiosurgery and brain metastases: Neurosurgery Update, Mercy Folsom Hospital Neurological Grand Rounds, November 2010.
- Stereotactic radiosurgery and brain metastases: Neurosurgery Update, Mercy General Hospital Neurological Grand Rounds, October 2010.
- Stereotactic radiosurgery and brain metastases: Neurosurgery Update, Mercy San Juan Hospital Neurological Grand Rounds, October 2010.
- Intraoperative monitoring in neurosurgery, North Carolina Society of Electroneurodiagnostic Technologists Annual Meeting, May 2010.
- Lower extremity peripheral nerves, Duke Neurosurgery Resident Conference, September 2009.
- Management of lumbar drains, Durham Regional Hospital Nursing In-service, June 2009.
- Evaluation of dose distribution in pre-operative versus post-operative stereotactic radiosurgery of single brain metastases, International Stereotactic Radiosurgery Society Meeting, June 2009.
- Stereotactic radiosurgery and solitary brain metastases, Duke Neurosurgery Resident Conference, April 2009.
- Pre-operative stereotactic radiosurgery is preferred for treatment of smaller solitary brain metastases, AANS, Southern Neurosurgical Society Meeting, March 2009.
- Tumor and Vascular Surgery Approaches, Duke Neurosurgery Resident Conference, February 2009.
- Tuberculosis of the spine, Duke Spine Interest Meeting, December 2008.
- Evaluation of dose distribution in pre-operative versus post-operative stereotactic radiosurgery of single brain metastases, Society for Neuro-Oncology 2008 Meeting, November 2008.
- Spine Neuroimaging – Duke Neurosurgery Resident Conference, November 2008.
- Intraoperative Monitoring in Neurosurgery – Southern Society of Electroneurodiagnostic Technologists Annual Meeting, October 2008.
- Brachial Plexus Review – Duke Neurosurgery Resident Conference, September 2008.
- Thoracic Spine Anatomy, Terminology and Radiographic Imaging, AO Spine Nursing Course, June 2008.
- Radiation Therapy for Brain Metastases – Duke Neurosurgery Resident Conference, April 2008.
- “Can you hear me now? Communicating with Physicians.” N592 Professional Nursing III: UNC School of Nursing, March 2008.
- Morphometric 3-D CT analysis of the hypoglossal canal, AANS, Southern Neurosurgical Society Meeting, February 2008.
- Carpal and Ulnar Tunnel Release – Duke Neurosurgery Resident Conference, November 2007.
- Posterior fossa venous anatomy – Duke Neurosurgery Resident Conference, August 2007.
- Neurosurgical Approaches – Part II, Duke Neurosurgery Resident Conference, May 2007.
- Clinical outcome of cerebrospinal fluid shunting in communicating hydrocephalus for mucopolysaccharidoses I, II, and III: a retrospective analysis of 13 patients, AANS, Southern Neurosurgical Society Meeting, March 2007.
- Common surgical approaches, Duke Neurosurgery Resident Conference, December 2006.
- Cerebral Metastases, Duke Neurosurgery Resident Conference, August 2006.
- Hypercortisolism and Hypocortisolism, Duke Neurosurgery Resident Conference, July 2006.
- Cerebrospinal Fluid, Duke Neurosurgery Resident Conference, November 2005.
- Tarsal Tunnel Syndrome, BNI Neurosurgery Conference, May 2005.
- Ulnar Neuropathy. BNI Neurosurgery Conference, February 2005.
- Cushing’s Syndrome, BNI Endocrine Conference, January 2005.
- Growth Hormone-Secreting Pituitary Tumors, BNI Endocrine Conference, December 2004.
- Bony Injuries of the Spine. St. Joseph’s Hospital Trauma Surgery Conference, May 2004.
- Management of Intracranial Hypertension. BNI ICU Nursing In-service, April 2004.
- Complications of Subarachnoid Hemorrhage. Good Samaritan Surgery Grand Rounds, August 2003.
- Supratentorial PNET Tumors, BNI Neurosurgery Conference, August 2003.
- Optimal growth and differentiation conditions for adult human oligodendrocytes from neural stem cells. Medical College of Virginia, April 2001.
- Thyroid hormone as a growth factor for neuronal stem cells. Medical College of Virginia, July 2000.
- Effects of dietary galactose and fructose on rats fed diets marginal or adequate in copper for 9-21 months, Experimental Biology 1997 Conference, April 1997.

Educational Activities

Defending the Defensible Medical-legal review course, February 2016
Spineology cortical screw cadaveric course, January 2015
Depuy Synthes Lumbar Artificial Disc Training, November 2014
Aesculap Academy Hydrocephalus Conference, September 2014
Depuy Synthes ALIF and Cortical Screws Workshop, August 2014
UCSF Mini-open thoracic corpectomy cadaveric course, August 2014
Computer Assisted Technologies Workshop, June 2014
Nuvasive minimally invasive cadaveric training, May 2014
Fundamentals of Implantable Pain Therapies for Surgeons, March 2014
Selby Spine Conference, January 2014
St. Jude Neuromodulation clinical meeting, September 2013
Lateral lumbar interbody fusion cadaveric course, June 2013
Spineology cadaveric course, March 2013
Food and Drug Administration Meeting Neurosurgical Representative, February 2013
St. Jude Neuromodulation conference, July 2012
Johnson and Johnson Neurosurgery Basics laboratory course instructor, May 2012
UCSF Spinal Deformity conference, May 2012
Sacroiliac fusion cadaveric course, February 2012
UCLA Pituitary and Endocrine Tumors and Related Disorders conference, January 2012
Cervical Spine Research Society 16th Instructional Course and 39th Annual Meeting, December 2011
Pro-Disc C arthroplasty course, October 2011
Sacroiliac fusion course, September 2011
Skin-to-Skin Minimally Invasive Lumbar Fusion course, August 2011
Spine on the Mountain, February 2011
AANS Coding, February 2011
Nuvasive Extreme Lateral Interbody Cadaver course, December 2010
Cyberonics Vagal Nerve Stimulation, December 2010
Depuy Minimally Invasive Lateral Fusion course, October 2010
Duke Spine Journal Club, July 2005 - May 2010
Duke Spine Interest Club, Oct 2007 - April 2010
Duke Neurosurgery Journal Club, July 2005 – June 2009
Deformity Summit: Advancing the Treatment of Scoliosis, May 2010
Fukushima Skull Base Surgery Workshop, May 2010
AANS Spine Deformity Course for Residents, April 2010
Minimally Invasive Spine Surgery: Hands-on Symposium, December 2009
CNS Minimally Invasive Spine Surgery, October 2009
CNS Intraoperative Salvage Techniques, October 2009
Bethesda Cervical Spine Workshop, April 2009
BrainLab Chief Residents Conference, March 2009
AO Spine, Aging Spine Symposium, Nov 2008
Medtronic Direct Lateral Interbody Fusion course, May 2008
2008 AANS Spinal Cord Stimulator Course, Oct 2008
2008 Less Invasive Technologies Symposium – MIS Spine, May 2008
2008 Neurosurgery Residents Spine Education Summit, March 2008
AANS Basics of Spinal Stabilization, Fusion, and Instrumentation, March 2008
AANS Albert Rhoton Posterior Fossa Anatomy, March 2008
Albert Rhoton Approaches to the Skull Base Workshop, Feb 2008
Midas Rex Advanced Instrumentation for Surgeons course, Oct 2007
Balloon Kyphoplasty Training Program, June 2007
Duke Stryker Spine Cadaver Course, May 2007
Fukushima Temporal Bone Course, March 2007
31st Annual Barrow Neurosurgery Symposium, March 2005