

Ali H. Mesiwala, M.D., FAANS

Fellow, American Academy of Neurological Surgeons



CURRICULUM VITAE

Clinical offices:

**999 N. Tustin Ave, Ste 19
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&

Southern California Center for Neuroscience and Spine

**150 E. Artesia St., Ste 360
Pomona, CA 91767**

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EDUCATION & TRAINING:

Johns Hopkins University B.S. Summa Cum Laude Biomedical Engineering with Electrical Engineering emphasis	Baltimore, MD Sept 1989-Dec 1992
University of California, San Francisco Doctor of Medicine	San Francisco, CA July 1993-June 1997
University of Washington Intern, General Surgery	Seattle, WA July 1997-June 1998
University of Washington Resident, Neurological Surgery	Seattle, WA July 1998-Dec 2001
Atkinson Morely's Hospital National Health Service Senior Registrar, Neurological Surgery	England, UK Jan 2002-Dec 2002
International Neurosciences Institute Skull Base Fellow	Hannover, Germany Aug 2002-Sept 2002
University of Washington Chief Resident, Neurological Surgery	Seattle, WA Jan 2003-Dec 2003
University of Washington Cerebrovascular/Skull Base Fellow	Seattle, WA Jan 2004-June 2004

LICENSES & CERTIFICATIONS:

May 2011 AANS Board Certified
May 2004 CA Medical License #A87133
April 2003-October 2004 WA Medical License #MD00042260

HOSPITAL AFFILIATIONS:

Pomona Valley Hospital Medical Center	Pomona, CA
St. Bernadine Hospital Medical Center	San Bernardino, CA
San Antonio Community Hospital	Upland, CA
Presbyterian Intercommunity Hospital	Whittier, CA
Placentia Linda Hospital	Placentia, CA
Casa Colima Rehabilitative Hospital	Pomona, CA
Chapman Medical Center	Orange, CA
Archibald Surgery Center	Rancho Cucamonga, CA
Mid Valley Surgery Center	Ontario, CA

COMMITTEE & BOARD APPOINTMENTS:

- Pomona Valley Hospital Medical Center Critical Care Committee, 2006-2012
- Pomona Valley Hospital Medical Center Surgery Committee, 2006-2012
- Pomona Valley Hospital Surgical Practice & Invasive Procedures Review Committee, 2006-2012

AWARDS & HONORS:

1990 USA TODAY All-USA Academic Team-High School
1992 Johns Hopkins University Dean's List
1992 Zanzvyl Krieger Mind/Brain Institute Research Award for "A simplified and superior approach to diagnosing patients with dementia using neural networks."
1992-1993 Tan Beta Pi, National Engineering Honor Society, President 1992-1993
1993 Barry M. Goldwater Scholar
1993 Alpha Epsilon Delta, National Pre-Medical Honor Society
1993 Richard J. Johns Award in Biomedical Engineering
1993 USA TODAY All-USA Academic Team-Colleges & Universities
1995-1996 Springer Scholarship
1995-1996 Neider Scholarship
1996-1997 Dr. and Mrs. Joseph Fife Scholarship
1996 Alpha Omega Alpha Honor Medical Society, President of UCSF Chapter 1996-1997
Congress of Neurological Surgeons, First Place Blue Ribbon for Oral Poster Presentation, Targeted blood-brain barrier disruption using high intensity focused ultrasound.
2006 Legacy Award Nominee, Pomona Valley Hospital Medical Center Community Award

2009	Inland Empire Top Doctor, Inland Empire Magazine
2011	Excellence in Customer Satisfaction, Talk of the Town in conjunction with Celebrity News
2012	LA Business Journal Healthcare Award Finalist for Medical Center Executive & Research Executive

FELLOWSHIPS & GRANTS

1992	National Science Foundation Undergraduate Grant "Development of an Integrated circuit that models a motor neuron."
1992	Howard Hughes Undergraduate Research Fellowship "Development of a neural network to diagnose dementia."
1999-2001	American Brain Tumor Association Research Fellowship "Blood Brain Barrier Disruption Using High Intensity focused Ultrasound."
2001	International Neuroradiology Peer Review Conference Resident Grant
2000-2002	National Research Service Award (1F32 NS10897-01) National Institute of Neurological Disorders and Stroke "Blood-Brain Barrier Disruption Using Ultrasound"

PRESENTATIONS

- Sviri GE, **Mesiwala AH**, Lewis DH, Britz GW, Lam A, Cohen W, Newell DW: Dynamic perfusion CT in cerebral vasospasm following aneurismal SAH; a comparative study with 99mTc ECD-SPECT imaging, Joint Annual Meeting of the AANS/CNS Cerebrovascular Section and the ASETN, New Orleans, Louisiana, February 1-4, 2005, Oral Presentation.
- Sviri GE, Ghodke B, **Mesiwala AH**, Britz GW, Couville CM, Haynor DR, Lam A Newel DW: TCD grading criteria for basilar artery vasospasm. American Association of Neurological Surgeons, Annual Meeting, New Orleans, Louisiana, April 16-21, 2005, Oral Presentation.
- Marquez YD, **Mesiwala AH**: Fusion Rate in Multilevel Anterior Cervical Discectomy and Fusion Using a Human Tissue and Cell-Based Allograph Product (HTCP). Congress of Neurological Surgeons, San Francisco, CA, October 16-21, 2010. Poster Presentation.
- Marques YD, **Mesiwala AH**: Incidence of Dysphagia in Multilevel Anterior Cervical Discectomy and Fusion. Congress of Neurological Surgeons, San Francisco, California. October 16-21, 2010. Poster Presentation.

PEER-REVIEWED PUBLICATIONS

- Fike JR, Gobbel GT, **Mesiwala AH**, Shin HI, Nakagawa M, Lamborn KR, Seihan TM, Elliot PJ: Cerebrovascular effects of the Bradykinin Analog RMP-7 in normal and irradiated dog brain. J. Neuro Oncol. 37:199-215, 1998.
- **Mesiwala AH** and Loeser JD: Bilateral globus pallidus infarction secondary to disulfiram ingestion. Pediatr. Neurosurg 34: 224, 2001

- **Mesiwala AH**, Avelino AM, Roberts TS, Ellenbogen RG: Spontaneous cerebellar hemorrhage due to a juvenile pilocytic astrocytoma, case report and review of the literature. *Pediatr. Neurosurg* 34:235-8, 2001.
- Avelino AM, **Mesiwala AH**, Shaw DW, Fisher DJ, Musame DB, Roberts TS, Ellenbogen RG: Diffusion-weighted MR image of a pediatric spinal epidermoid cyst. *Pediatr. Neurosurg* 34:325-6, 2001
- **Mesiwala AH**, Shaffrey CI, Gross JS, Ellenbogen RG: Atypical hemifacial microsomia associated with Chiari I malformation and syrinx, further evidence suggesting that Chiari I malformation is a disorder of the para-axial mesoderm. *J Neurosurg* 95: 1034-9, 2001.
- **Mesiwala AH**, Farrell L, Wenzel HJ, Crum LA, Silbergeld DL, Winn H, Mourad PD: High intensity focused ultrasound selectively disrupts the blood-brain barrier in vivo. *Ultrasound Med BioJ.* 28: 389-400, 2002.
- **Mesiwala AH** and Loeser JD: Visual pathway glioma. *Pediatr. Neurosurg.* 36:161, 2002.
- **Mesiwala AH**, Avelino AM, Ellenbogen RG: The diagonal ventricular dimension: A method for predicting shunt malfunction based on changes in ventricular size. *Neurosurgery* 50:1246--52, 2002.
- **Mesiwala AH**, Kuratami JD, Avelino AM, Sotero MA, Roberts TS, Ellenbogen RG: Focal motor seizures with secondary generalization arising in the cerebellum: case report and review of the literature. *J. neurosurg.* 97: 190-6, 2002.
- **Mesiwala AH** and Goodkin R: Reversible ischemia detected by diffusion-weighted MRI. *J. Neurosurg.* 97: 230, 2002.
- **Mesiwala AH**, Scampavia LD, Rabinovitch PS, Ruzioka J, Rostomily RC: On-line flow cytometry for real-time surgical guidance *Neurosurgery* 55: 551-60, 2004.
- **Mesiwala AH**, Lundin DA: FormaGraft Collagen Bone Graft Matrix: Clinical experience in posterior fusion. NuVasive, Inc. 2008.
- **Mesiwala AH**, Svin G, Patemi N, Newell DW: Long-term outcome of superficial temporal artery-middle cerebral artery bypass for Moyamoya patients in the United States. *Neurosurg. Focus* 24(2) E15, 2008.
- **Mesiwala AH**, Marquez Y, De Vere J, Lundin D: Radiographic Outcomes following the use of FormaGraft as an Alternative to Iliac Crest Autograft in Posterolateral Fusion. *WSeJ:* 15-20, 2011.
- **Mesiwala AH**, Farrokhi FR, Silbergeld DL: Posterior cerebral artery compression and subsequent infarction caused by a Ghasite balloon technical note. Submitted.
- Svirni G, **Mesiwala AH**, Newell DW: CT Perfusion in patients with symptomatic vasospasm after aneurismal subarachnoid hemorrhage: Cerebral perfusion disturbance patterns predict infarct development. Submitted.
- Lipson AC, **Mesiwala AH**, Gabikian P, Nair N, Silbergel DL: Metastatic melanoma with dural involvement case report and review of the literature. Submitted.
- **Mesiwala AH**, Newel DW: Reconstruction of the occipito-cervical musculature using titanium mesh: technical note. Submitted.
- **Mesiwala AH**, Rostomily RC, Ojemann GA, Silbergeld DL: An anatomic classification system for surgery of ghomas in the temporal stem. Submitted.
- **Mesiwala AH**, Daily AT: Successful closed reduction of traumatic cervical disc herniation. Submitted.

- Sviri GE, Cohen W, **Mesiwala AH**, Britz GW, Lam A, Newell DW: Dynamic perfusion CT imaging in cerebral vasospasm; qualitative analysis of perfusion patterns in 21 patients with delayed ischemic deterioration after aneurismal subarachnoid hemorrhage. Submitted.
- Sviri GE, Ghodke B, Britz GW, **Mesiwala AH**, Douville CM, Haynor DR, Newell DW: Brainstem ischemia in patients with symptomatic cerebral vasospasm: role of basilar artery vasospasm. Submitted.
- Sviri GE, **Mesiwala AH**, Lewis HD, Britz GW, Newell DW, Lam A, Cohen W: Dynamic perfusion CT in cerebral vasospasm following aneurismal subarachnoid hemorrhage: a comparative study with ^{99m}Tc ECD-SPECT imaging. Submitted.

BOOK CHAPTERS, EDITORIALS, REVIEWS, ETC.

- **Mesiwala AH**, Newell DW, Britz GW: The surgical treatment of adult moyamoya disease in Schmidek and Sweet (eds.): Operative Neurosurgical Techniques, Saunders Elsevier, Philadelphia, PA 2006.
- **Mesiwala AH** and Mourad PD: monitoring of Biologic Effects of Focused Ultrasound Beams on the Brain, Radiology, 224: 294-297, 2002.
- **Mesiwala AH** and Elliot JP: The surgical management of middle cerebral artery aneurysms, in Winn HR (ed.) Cerebrovascular Disorders, yourDoctor.com. In press.
- Goodkin R and **Mesiwala AH**: General principles of operative positioning, in Winn HR (ed.): Youman's Neurological Surgery, 5th Edition. WB Saunders, Philadelphia, PA 2003.

MEDIA APPEARANCES

- "Aneurysm: Will You Share A Patient Success Story?" Interview with Dr. Mesiwala - the Shelley Orr Story, as featured on EmpowerHer, August 19, 2010.
- "Laser Spine Surgery: What Is This?" Interview with Dr. Mesiwala, as featured on EmpowerHer, August 19, 2010.
- "Back Pain: How Should I Describe This To My Doctor?" Interview with Dr. Mesiwala, as featured on EmpowerHer, August 19, 2010.
- "Spine Conditions: What Are the Most Common?" Interview with Dr. Mesiwala, as featured on EmpowerHer, August 19, 2010.
- "Spine Surgery: When Should A Patient Consider Spine Surgery?" Interview with Dr. Mesiwala, as featured on EmpowerHer, August 19, 2010.
- "Lumbar Fusion, What Is It and How Is It Performed?" Interview with Dr. Mesiwala, as featured on EmpowerHer, August 19, 2010.
- "Back Pain: When Is This Considered A Serious Medical Problem?" Interview with Dr. Mesiwala, as featured on EmpowerHer, August 19, 2010.
- "Stroke: What Occurs Immediately After This?" Interview with Dr. Mesiwala, as featured on EmpowerHer, August 19, 2010.
- KTLA Special Report 5 Days That Could Save Your Life, "After years of misdiagnosis, woman finds out she has a brain aneurysm," KTLA, February 15, 2011.
- "EEA, Gamma Knife, SI Joint Dysfunction and SCCNS overview," CATV as featured on KCAL 9,

April 9, 2012.

- "LA's Top Doctors." KDOC TV Featured Segment, Date TBD.
- "SI Joint Dysfunction." CATV as featured on KCAL 9, Date TBD.

LANGUAGES SPOKEN

- English
- Spanish

MENTORING EXPERIENCE

- Kanshal Bhatt (Medical Student and Research Associate) 2010-2012
- Yvette Marquez (USC Neurosurgery Resident, Research Associate)

MISCELLANEOUS

2001 Designer and architect for University of Washington, Department of Neurological Surgery website and departmental logo.