

# Shawn M. Vuong, MD

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## License and Certification

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<b>Doctor of Medicine</b> (35.122276) – State Medical Board of Ohio	September 2013 - Present
<b>MD Training Certification</b> (57.021695) – State Medical Board of Ohio	October 2012 – June 2013
<b>United States Medical Licensing Exam:</b>	USMLE Step 1 - June 2010 (98 <sup>th</sup> %) USMLE Step 2CK - July 2011 (98 <sup>th</sup> %) USMLE Step 2CS - July 2011 (PASS) USMLE Step 3 - February 2013 (80 <sup>th</sup> %)
<b>American Board of Neurological Surgery:</b>	Written exam – March 2016 (PASS)

## Education

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### **Resident in Neurosurgery, University of Cincinnati Medical Center**      **July 2012 – June 2018 (anticipated)**

Cincinnati, OH  
Department of Neurosurgery – Mayfield Clinic  
Over 1250 logged surgical cases (through 2016)  
Experience with minimally invasive spine, open complex spine, stereotactic radiosurgery with Gamma Knife, endovascular neurosurgery, open vascular, trauma, peripheral nerve, skull-base, tumor, and pediatrics

### **M.D., Sanford School of Medicine, University of South Dakota**      **August 2008 – May 2012**

Sioux Falls, SD  
Student of the Yankton Model Program  
Over 1300 logged patient encounters  
Over 250 logged surgical cases (most first assist)

### **B.S., University of South Dakota**      **September 2004 – May 2008**

Vermillion, SD  
Major: Biology  
*Summa Cum Laude*

## Professional Appointments & Employment

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Instructor of Neurosurgery, University of Cincinnati School of Medicine      July 2012 – June 2018 (anticipated)

## Publications

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Vuong SM, Jeong WJ, Morales H, Abruzzo TA. Vascular Diseases of the Spinal Cord: Infarction, Hemorrhage, and Venous Congestive Myelopathy. *Semin Ultrasound CT MR.* 2016 Oct;37(5):466-81. doi: 10.1053/j.sult.2016.05.008. Epub 2016 May 6. PMID: 27616317



Serrone JC, Tackla RD, Gozal YM, Hanseman DJ, Gogela SL, Vuong SM, Kosty JA, Steiner CA, Krueger BM, Grossman AW, Ringer AJ. Aneurysm Growth and De Novo Aneurysms during Aneurysm Surveillance. *J Neurosurg*. 2016 Mar 11:1-9. [Epub ahead of print]. PMID: 26967775

Vuong SM, Appelwick JE. MRSA Peritonitis Secondary to Perforation of Sigmoid Diverticulitis. *S D Med*. 2011 Nov;64(11):405, 407, 409. PMID: 22164818

Vuong SM, Holm RP. Does a stereotypical surgical personality exist? *S D Med*. 2011 May;64(5):172. PMID: 21661343

Scholl JL, Vuong SM, Forster GL. Chronic amphetamine treatment enhances corticotropin-releasing factor-induced serotonin release in the amygdala. *Eur J Pharmacol*. 2010 Oct 10;644(1-3):80-7. Epub 2010 Jul 23. PMID: 20655906

Vuong SM, Oliver HA, Scholl JL, Oliver KM, and Forster GL. Increased anxiety-like behavior of rats during amphetamine withdrawal is reversed by CRF-2 receptor antagonism. *Behavioural Brain Research*, 208 (2010) 278–281. PMID: 19958793

Lukkes J, Vuong SM, Scholl JL, Oliver H, Forster GL. Corticotropin-releasing factor receptor antagonism within the dorsal raphe nucleus reduces social anxiety-like behavior after early-life social isolation. *J Neurosci*. 2009 Aug 12;29(32):9955-60. PMID: 19675229

Forster GL, Pringle RB, Mouw NJ, Vuong SM, Watt MJ, Burke AR, Lowry CA, Summers CH, and Renner KJ. Corticotropin-releasing factor in the dorsal raphe nucleus increases medial prefrontal cortical serotonin via type 2 receptors and median raphe nucleus activity. *European Journal of Neuroscience*, Vol. 28, pp. 299–310, 2008. PMID: 18702701

## Conference Activity & Presentations

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Serrone JC, Tackla RD, Gozal YM, Hanseman DJ, Gogela SL, Vuong SM, Kosty J, Krueger BM, Grossman AW, Ringer AJ. (2015). Aneurysm growth and de novo aneurysm formation during an aneurysm surveillance protocol. Poster presentation at the Congress of Neurological Surgeons. New Orleans, LA.

Vuong SM. (2015). Monday Pediatric Neurosurgery Conference: Pediatric Joint Section Hydrocephalus Guidelines. Cincinnati Children's Hospital & Medical Center Department of Neurosurgery. Cincinnati, OH

Gozal YM, York JD, Vuong SM, Patel SK, Look A, Gogela SL, Andaluz NO. (2014). Predictors of radiographic progression of intracranial hemorrhage in mild traumatic brain injury. Poster presentation at the Neurocritical Care Society. Seattle, WA.

Vuong SM. (2014). Neurosurgery Department Grand Rounds: Endovascular Therapy for Acute Stroke. Is tPA the only viable treatment option? Department of Neurosurgery & The Mayfield Clinic. Cincinnati, OH.

Vuong SM. (2013). Trauma Conference Presentation: C-Spine Clearance. University of Cincinnati, Department of Surgery. Cincinnati, OH.

Vuong SM. (2011). Grand Rounds Presentation: Psychosurgery on Addiction: The past, present, and future of neurosurgery for mental disorders. University of Wisconsin, Department of Neurosurgery. Madison, WI.

Vuong SM. (2011). Avera Sacred Heart Hospice. Poster presentation at The Sanford School of Medicine Cultural Colloquium, Yankton Campus. Yankton, SD.

Cowles, D, Vuong, SM. (2011). Dermatologic Emergency: Pediatric Edition. Peer reviewed presentation on Stevens-Johnson Syndrome. Sanford School of Medicine, Yankton Campus. Yankton, SD.

Vuong, SM, Scholl, JS and Forster, GL. (2008). Amphetamine Treatment Increases Neural Response to Stress Hormone. Poster presentation at The University of South Dakota IdeaFest Research Forum. Vermillion, SD.



Vuong, SM, Scholl, JS and Forster, GL. (2007). Changes in a neural stress system as a result of amphetamine treatment. Poster presentation at The University of South Dakota IdeaFest Undergraduate Research Forum. Vermillion, SD.

## Courses

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- DePuy Synthes & Ethicon Spine Lab. August 2016. Mayfield Center for Surgical Innovation – Cincinnati, OH
- Zimmer Spine Resident & Fellows Program. July 2016. Mayfield Center for Surgical Innovation - Cincinnati, OH
- Cranial Midas Rex Hands-On Workshop. June 2016. Goodyear Skull Base Lab at the University of Cincinnati – Cincinnati, OH
- Advanced Midas Rex Hands-On Workshop. March 2016. Goodyear Skull Base Lab at the University of Cincinnati – Cincinnati, OH
- The Chicago Review Course in Neurological Surgery. January 2016. The University of Chicago - Chicago, IL
- Zimmer Spine Resident & Fellows Program. November 2015. Christ Hospital Spine Surgery Center - Cincinnati, OH
- 9<sup>th</sup> Annual Ozarks Neurosurgery Education Clinic. October 2015. ONE Clinic and Cox Health – Branson, MO
- Medtronic Midas Rex Drill Course. October 2015. Goodyear Skull Base Lab at the University of Cincinnati – Cincinnati, OH
- University of Cincinnati Microvascular Skills Course. September 2015. Lab for Surgical Innovation at the University of Cincinnati – Cincinnati, OH
- Zimmer Spine Resident & Fellows Program. July 2014. Christ Hospital Spine Surgery Center - Cincinnati, OH
- University of Cincinnati Microvascular Skills Course. April 2014. Lab for Surgical Innovation at the University of Cincinnati – Cincinnati, OH
- Medtronic Midas Rex Drill Course. August 2013. Goodyear Skull Base Lab at the University of Cincinnati – Cincinnati, OH
- Zimmer Spine Resident & Fellows Program. June 2013. Christ Hospital Spine Surgery Center - Cincinnati, OH
- Society of Neurological Surgeons (SNS) PGY-1 Boot Camp: Fundamental Skills Course. July 2012. Philadelphia, PA

## Awards, Honors, & Grants

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**Mayfield Education & Research Foundation (MERF) Grant**      **Awarded January 2016**  
Cincinnati Children’s Hospital & Medical Center, University of Cincinnati Medical Center, & the Mayfield Clinic  
Research Titled: Identification of Molecular Therapeutic Targets in Choroid Plexus using a Novel Mouse Model of Communicating Hydrocephalus.  
Awarded \$48,000

## Professional Memberships

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Congress of Neurological Surgeons (CNS) – Resident Member  
American Association of Neurological Surgeons (AANS) – Resident Member



## Research & Teaching Experience

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### Research Technician

January 2006 – July 2010

University of South Dakota. Vermillion, SD  
Neuroscience research conducted under the supervision of Gina L. Forster Ph.D.

### Emergency Medical Technician Instructor

July 2005 – July 2010

Vermillion/Clay County EMS. Vermillion, SD  
NREMT-Basic certification received May 2005, and NREMT-Intermediate 85 received June 2007  
Taught EMT-Basic students human anatomy & physiology, vital signs, SAMPLE history taking, pharmacology, respiratory system, cardiac system, and the recognition and treatment of bleeding and shock as an EMT instructor.