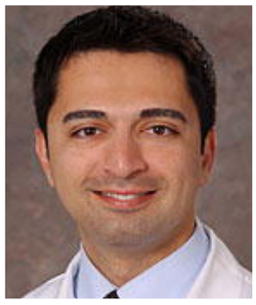

Kiarash Shahlaie, M.D., Ph.D.

Clinical Interests Dr. Shahlaie works to minimize the risks of surgery and facilitate rapid recovery by utilizing minimally invasive surgical techniques, including endoscopy and 'keyhole' access surgery. He provides innovative surgical treatment options for patients with Parkinson's disease, essential tremor, dystonia, and other movement disorders, as well as patients with certain psychiatric and pain conditions. Dr. Shahlaie closely involves the families and caretakers of patients with severe traumatic brain injury during both the acute and chronic stages of recovery.

Title Associate Professor

Specialty Neurological Surgery

Department Neurological Surgery

Division Neurological Surgery

Center/Program Affiliation
Center for Neuroscience
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Languages Farsi

Education
M.D., UC Davis School of Medicine, Sacramento, California, 2001
Ph.D., UC Davis, Davis, California, 2006
B.S., UC Davis, Davis, California, 1997

Internships UC Davis Medical Center, Sacramento, California, 2002

Residency UC Davis Medical Center, Sacramento, California, 2009

Fellowships
John Wayne Cancer Institute, Santa Monica, California, 2010
UC Davis Medical Center, Sacramento, California, 2003-2005
UC San Francisco, San Francisco, California, 2009

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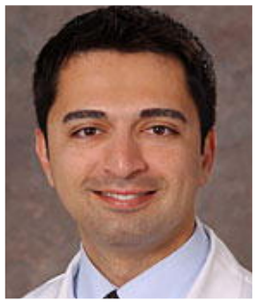

Kiarash Shahlaie, M.D., Ph.D.

Professional Memberships

American Association of Neurological Surgeons (AANS)
Congress of Neurological Surgeons (CNS)
National Neurotrauma Society (NNS)
Neurocritical Care Society (NCS)

Honors and Awards

Appreciation Award, Medical Student Research & Poster Forum, UCDSOM, 2010
House Staff Professionalism Award, UCD School of Medicine Alumni Association, 2009
UC Davis Medical Center "Outstanding Interdisciplinary Team Experience", 2008
Teaching Award for Outstanding Graduate Student, 2006
Undergraduate Honors Thesis with Highest Honors, 1997
Phi Sigma National Research Honors Society, 1997
Cal Aggie Alumni Association Outstanding Graduating Senior, 1997
Division of Biological Sciences Undergraduate Student of the Quarter, 1996

Select Recent Publications

For a complete list of Dr. Shahlaie's publications, please click here.

Septohippocampal neuromodulation improves cognition after traumatic brain injury. Lee DJ, Gurkoff GG, Izadi A, Echeverri A, Melnik M, Berman RF, Ekstrom AD, Muizelaar JP, Lyeth BG, Shahlaie K. J Neurotrauma. 2015 Jun 21. [Epub ahead of print]

Intraoperative computed tomography for intracranial electrode implantation surgery in medically refractory epilepsy. Lee DJ, Zwienenberg-Lee M, Seyal M, Shahlaie K. J Neurosurg. 2015 Mar;122 (3):526-31. Epub 2014 Oct 31.

Lee DJ, Latchaw RE, Dahlin BC, Dong PR, Verro P, Muizelaar JP, Shahlaie K. Antegrade rheolytic thrombectomy and thrombolysis for superior sagittal sinus thrombosis using burr hole access. J Neurointerv Surg. 2014 Apr 3. doi: 10.1136/neurintsurg-2013-011087.rep. [Epub ahead of print]

Sarkar K, Keachie K, Nguyen U, Muizelaar JP, Zwienenberg-Lee M, Shahlaie K. Computed tomography characteristics in pediatric versus adult traumatic brain injury. J Neurosurg Pediatr. 2014 Mar;13(3):307-14. doi: 10.3171/2013.12.PEDS13223. Epub 2014 Jan 10.

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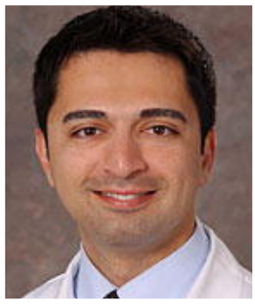

Kiarash Shahlaie, M.D., Ph.D.

McLaughlin N, Kelly DF, Prevedello DM, Shahlaie K, Carrau RL, Kassam AB. Endoscopic endonasal management of recurrent petrous apex cholesterol granuloma. J Neurol Surg B Skull Base. 2012 Jun;73(3):190-6. doi: 10.1055/s-0032-1312706.

Kerr EE, Shahlaie K, Schrot RJ. Use of the O-arm® for skull base resection in a sphenoorbital meningioma. J Clin Neurosci. 2013 Aug;20(8):1149-51. doi: 10.1016/j.jocn.2012.08.016. Epub 2013 May 7.

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Lee DJ, Gurkoff GG, Izadi A, Berman RF, Ekstrom AD, Muizelaar JP, Lyeth BG, Shahlaie K. Medial septal nucleus theta frequency deep brain stimulation improves spatial working memory after traumatic brain injury. J Neurotrauma. 2013 Jan 15;30(2):131-9.

Shahlaie K, Keachie K, Hutchins IM, Rudisill N, Madden LK, Smith KA, Ko KA, Latchaw RE, Muizelaar JP. Risk factors for posttraumatic vasospasm. J Neurosurg. 2011 Sep;115(3):602-11. doi: 10.3171/2011.5.JNS101667. Epub 2011 Jun 10.

Kerr EE, Borys E, Bobinski M, Shahlaie K. Posterior fossa calcifying pseudoneoplasm of the central nervous system. J Neurosurg. 2013 Apr;118(4):896-902. doi: 10.3171/2013.1.JNS121755. Epub 2013 Feb 8. Review.

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