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

Philosophy of Care

Dr. Shahlaie believe that his patients and their family members should be well informed about their treatment options, and receive the most advanced care available.

Clinical Interests

Dr. Shahlaie is a fellowship-trained neurosurgeon that specializes in complex cranial surgery. He is an expert in management of brain tumors, meningioma, skull base and pituitary tumors, trigeminal neuralgia and hemifacial spasm, epilepsy, and movement disorders such as Parkinson's disease, essential tremor, and dystonia.

Dr. Shahlaie has advanced training in Minimally Invasive Brain Surgery, which includes endoscopic and keyhole techniques. He is also an award winning instructor at the UC Davis School of Medicine, and directs an innovative research laboratory at the Center for Neuroscience.

Research/Academic Interests

Dr. Shahlaie is an accomplished researcher with extensive experience leading pre-clinical and clinical research. Dr. Shahlaie directs the Bronte Research Laboratory at the UC Davis Center for Neuroscience, where his team is developing new brain stimulation techniques to improve learning and memory function.

Dr. Shahlaie also directs numerous clinical studies at the UC Davis Medical Center, including trials of brain stimulation therapy to improve cognition. Dr. Shahlaie and his research team have published over 105 peer-reviewed articles and 15 book chapters, and his work has been presented at numerous national and international scientific and clinical conferences.

Title

Professor, Department of Neurological Surgery
Chair, Department of Neurosurgery

Specialty

Brain Tumors, Skull Base Surgery, Epilepsy, Movement Disorders, Adult Normal Pressure Hydrocephalus

Department

Neurological Surgery
Neurology

Division

Neurological Surgery

Clinic

UC Davis Medical Group, Sacramento - Midtown

Center/Program Affiliation

Center for Neuroscience
Center for Skull Base Surgery
UC Davis Comprehensive Cancer Center
Trauma Program

Address/Phone

UC Davis Midtown Ambulatory Care Center, UC Davis Medical Group - Midtown, 3160 Folsom Blvd Sacramento, CA 95816

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Additional Phone
Clinic Referral Phone: 916-734-4300
Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Languages
Farsi

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

Internships
General Surgery, UC Davis Health, Sacramento CA 2001-2002

Residency
Neurological Surgery, UC Davis Health, Sacramento CA 2002-2009

Fellowships
Skull Base / Minimally Invasive Neurosurgery, Pacific Neuroscience Institute, Santa Monica CA 2010
Functional Neurosurgery, UC San Francisco, San Francisco CA 2009

Board Certifications
American Board of Neurological Surgery

Professional Memberships
American Association of Neurological Surgeons
Congress of Neurological Surgeons
Epilepsy Foundation of Northern California
National Neurotrauma Society
Neurocritical Care Society
North American Skull Base Society
Society of Neurological Surgeons
The Pituitary Society

Honors and Awards
Diamond Doc Award, UC Davis Health, 2022
Top Doctors Award, Sacramento Magazine, 2017, 2018, 2019, 2020, 2021, 2022
The Daisy Team Award, Daisy Foundation, 2022
Excellence in Teaching Award, UC Davis Department of Neurological Surgery, 2014, 2018
Dean's Team Award for Excellence in Education, UC Davis School of Medicine, 2016

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

Robinow ZM, Peterson C, Yu N, Waldau B, Shahlaie K. Cosmetic outcomes of supraorbital keyhole

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craniotomy via eyebrow incision: a systematic review and meta-analysis. J Neurological Surg–Part B. 2022 Sep 15. doi:10.1055/s-0042-1755575.

Scurfield AK, Wilson MD, Gurkoff G, Martin R, Shahlaie K. Identification of Demographic and Clinical Prognostic Factors in Traumatic Intraventricular Hemorrhage. Neurocrit Care. 2022 Sep 1. doi:10.1007/s12028-022-01587-z. Epub ahead of print. PMID:36050537.

Far R, Saez I, Sardo A, Ovruchesky E, Sperry L, Zhang L, Shahlaie K, Girgis F. Subthalamic nucleus deep brain stimulation programming settings do not correlate with Parkinson's disease severity. Acta Neurochir (Wien). 2022 Sep;164(9):2271-2278. doi:10.1007/s00701-022-05279-7. Epub 2022 Jun 25. PMID:35751700.

Anigol DM, Gerndt CH, Bobinski M, Strong EB, Steele TO, Darrow M, Liu YA, Fragoso R, Harsh G, Shahlaie K. Chondrosarcoma of the sella turcica: case report and review. Interdisciplinary Neurosurgery. 2022 Jun;28:101523. doi:10.1016/j.inat.2022.101523.

Robinow ZM, Peterson C, Waldau B, Shahlaie K. Supraorbital Keyhole Craniotomy via Eyebrow Incision: A Systematic Review and Meta-Analysis. World Neurosurg. 2022 Feb;158:e509-e542. doi:10.1016/j.wneu.2021.11.015. Epub 2021 Nov 11. PMID:34775096.

Izadi A, Schedlbauer A, Ondek K, Disse G, Ekstrom AD, Cowen SL, Shahlaie K, Gurkoff GG. Early Intervention via Stimulation of the Medial Septal Nucleus Improves Cognition and Alters Markers of Epileptogenesis in Pilocarpine-Induced Epilepsy. Front Neurol. 2021 Sep 7;12:708957. doi: 10.3389/fneur.2021.708957. PMID:34557145.

Reddy RK, Gill AS, Hwang J, Wilson MD, Shahlaie K, Harsh GR, Strong EB, Steele TO. Surgeon education through a surgical cost feedback system reduces supply cost in endoscopic skull base surgery. J Neurosurg. 2021 Aug 13;136(2):422-430. doi:10.3171/2021.2.JNS203208. PMID: 34388725.

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Lee D, Omofoye OA, Nuño MA, Riestenberg RA, Shahlaie K. Treatment Outcomes of Intracranial Myeloid Sarcomas: A Meta-Analysis. World Neurosurg. 2021 Apr;148:29-37. doi:10.1016/j.wneu.2021.01.004. Epub 2021 Jan 11. PMID:33444829.

Reddy RK, Gill AS, Hwang J, Shahlaie K, Harsh GR, Strong EB, Steele TO. The Impact of a Surgical Receipt Cost Feedback System on Operating Room Supply Expense in Endoscopic Skull Base Surgery. J Neurosurg. 2020 Dec;67(Supplement_1):. doi:10.1093/neuros/nyaa447_123.

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