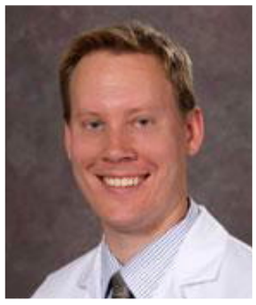


Ben Waldau, M.D.

Clinical Interests

Dr. Waldau is a specialist in open cerebrovascular and endovascular treatment of cerebral aneurysms and arteriovenous malformations. His dual training in open surgery and endovascular embolization allows him to choose the best treatment modality for his patients, and sometimes he uses a combination of both approaches to achieve the best results. He also has an interest in stroke and extracranial carotid disease which he can treat with carotid endarterectomy or carotid angioplasty and stenting. With the establishment of the stroke unit at UC Davis, we are striving to provide highly specialized care to our vascular patients to achieve the best outcomes.

Dr. Waldau's research focuses on transplantation of reprogrammed progenitor cells after stroke to enhance functional recovery. Human subventricular progenitor cells are harvested and reprogrammed to become motor neurons in collaboration with the UC Davis Stem Cell Program. The overall goal is to gather sufficient data to start clinical trials in stroke patients in the future.

Title

Assistant Professor

Specialty

Neurological Surgery, Surgery - Vascular and Endovascular

Department

Neurological Surgery

Division

Neurological Surgery

Center/Program Affiliation

Center for Neuroscience
Center for Skull Base Surgery
Spine Center
UC Davis Medical Group

Address/Phone

Lawrence J. Ellison Ambulatory Care Center, Neurosurgery Clinic, 4860 Y St. Suite 0100
Sacramento, CA 95817
Phone: 916-734-4300

Languages

German

Education

M.D., Ruprecht-Karls University, Heidelberg, 2002

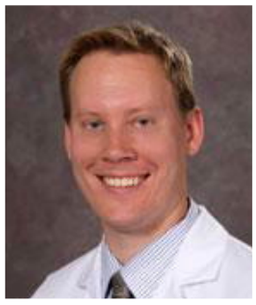
Internships

Duke University Medical Center , 2004-05

Residency

Duke University Medical Center, 2005-10

UCDAVIS HEALTH SYSTEM



Ben Waldau, M.D.

Fellowships

University of Florida , 2010-11

William P. Van Wagenen Fellowship at Center for Regenerative Therapies Dresden, Desden, 2011-12

Professional Memberships

Society for Neuroscience

Honors and Awards

CNS Basic Science/Translational Research Resident Fellowship Award, 2007

Select Recent Publications

Waldau B, Fargen KM, Mack WJ, Wilson NM, Khaldi A, Hoh BL, Mocco J. Axium MicroFX Coil for Completing Endovascular Aneurysm Surgery Study (ACCESS): A prospective evaluation of the safety and durability of Axium MicroFX PGLA coils. Interv Neuroradiol. 2012; 18:200-7

Khaldi A, Fargen KM, Waldau B, Siddiqui AH, Hoh BL, Mack W, Carpenter J, Veznedaroglu E, Mocco J. The Orbit Galaxy XTRASOFT Coils: A Multicenter Study of Coil Safety and Efficacy in Both Ruptured and Unruptured Cerebral Aneurysms. J Vasc Interv Neurol. 2012; 5:17-21

Waldau B, Reavey-Cantwell JF, Lawson MF, Jahshan S, Levy EI, Siddiqui AH, Mocco J, Hoh BL. Intentional partial coiling dome protection of complex ruptured cerebral aneurysms prevents acute rebleeding and produces favorable clinical outcomes. Acta Neurochir (Wien). 2012; 154:27-31

Waldau B, Turk AS 3rd, Yashar P, Khaldi A, Turner RD 4th, Chaudry MI, Siddiqui AH, Levy EI, Hoh BL, Mocco J. Perioperative safety of Hydrosoft coils. J Neurointerv Surg. 2011; [Epub ahead of print]

Khaldi K, Waldau B, Skowlund C, Velat GJ, Mocco J, Hoh BL. Delayed complication from a percutaneous vascular closure device following a neuro-interventional procedure. Interv Neuroradiol. 2011; 17:495-500

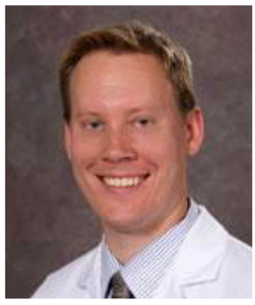
Waldau B, Clayton DA, Gasperson LB, Turner DA. Analysis of the Time Course of the Effect of Subthalamic Nucleus Stimulation upon Hand Function in Parkinson's Patients. Stereotact Funct Neurosurg. 2011; 89:48-55

Waldau B, Hattiangady B, Kuruba R, Shetty AK. Medial Ganglionic Eminence-Derived Neural Stem Cell Grafts Ease Spontaneous Seizures and Restore GDNF Expression in a Rat Model of Chronic Temporal Lobe Epilepsy. Stem Cells. 2010; 28:1153-64

Waldau B. Stem Cell Transplantation for Enhancement of Learning and Memory in Adult Neurocognitive Disorders. Aging and Disease. 2010; 1:60-71

Waldau B, McLendon RE, Fuchs HE, George TM, Grant GA. Few isolated neurons in hypothalamic hamartomas may cause gelastic seizures. Pediatr Neurosurg. 2009; 45:225-229

Waldau B, Domeshek LF, Leigh FA, Lum KC, Fuchs HE, Marcus JR, Mukundan S, Grant GA. Spontaneous resolution of a 13-mm Chiari malformation Type I in relation to differential growth of



Ben Waldau, M.D.

the posterior fossa volume. J Neurosurg Pediatrics. 2009; 3:110-4

© 2015 UC Regents

UCDAVIS
HEALTH SYSTEM