



Tene Aneka Cage

Clinical Associate Professor, Neurosurgery

Bio

BIO

Dr. Tene Cage is a Clinical Associate Professor of Neurological Surgery at Stanford University. Dr. Cage is Board Certified by the American Board of Neurological Surgery (ABNS). She received a B.A. degree from Harvard University and graduated with cum laude honors. She then went on to complete her medical school education and Neurological Surgery residency training at the University of California San Francisco (UCSF) School of Medicine. She also has completed a Neurotrauma fellowship at UCSF and San Francisco General Hospital with Geoff Manley, MD, PhD where she received specialized training in caring for patients after traumatic brain and spinal cord injuries.

She has been a member of the Alpha Omega Alpha Medical Society since 2010. During residency, she was awarded the Exceptional Physician Award from UCSF Medical Center and the Howard Nafziger Award from the UCSF Department of Neurological Surgery for outstanding patient care.

Dr. Cage has comprehensive neurosurgical training in treating traumatic brain injury, traumatic spine injury, degenerative and oncologic spine disorders, as well as extra-axial and intra-axial brain tumors.

Her research interest focuses on working towards eliminating health disparities in neurosurgical outcomes. She specifically focuses on understanding the association between socioeconomic and demographic characteristics and patient outcomes following traumatic brain injury. Dr. Cage has authored over 30 research articles and has received grants to support her research including the UCSF Genentech Foundation Research Fellow Award and the Howard Hughes Medical Institute Research Fellow Award. Her research has been recognized with the Lucien J. Rubenstein Memorial Award from the American Brain Tumor Association, the Young Investigator Award from the Pediatric Brain Tumor Foundation, and the Best Basic Science Research Paper Award from UCSF Neurological Surgery residency program.

She is also dedicated to and passionate about student and resident mentorship and training.

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Neurosurgery

HONORS AND AWARDS

- Auxillary to the Sinkler-Miller Medical Association Scholarship, Sinkler-Miller Medical Association (2003)
- Sinkler-Miller Medical Association Scholarship, Sinkler-Miller Medical Association (2004)
- Lucien J. Rubenstein Memorial Award, American Brain Tumor Association (2005)
- Research Fellow, UCSF Genentech Foundation (2005-2006)

- Research Fellow, Howard Hughes Medical Institute (2006-2007)
- Young Investigator Award, The Pediatric Brain Tumor Foundation (2007)
- Howard Nafziger Award for outstanding patient care, UCSF Neurological Surgery (2013)
- Delmar C. Sanders, MD Scholarship, Sinkler-Miller Medical Association (2015, 2016)
- Exceptional Physician Award, UCSF Medical Center (2015)
- Best Basic Science Research Paper Award, UCSF Neurological Surgery Residency Program (2018)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Congress of Neurological Surgeons (2010 - present)
- Member, Alpha Omega Alpha Medical Society (2010 - present)

PROFESSIONAL EDUCATION

- Board Certified, American Board of Neurological Surgery , Neurosurgery (2021)
- Fellowship, University of California San Francisco , Neurotrauma Fellowship (2018)
- Residency, University of California San Francisco , Neurological Surgery (2016)
- Internship, University of California San Francisco , Neurological Surgery (2011)
- M.D., University of California San Francisco School of Medicine , Medicine (2010)
- B.A., Harvard University , Biology with certificate in Neurobiology, cum laude (2001)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Cage's research interest is in working towards eliminating health disparities in neurosurgical outcomes. She specifically focuses on understanding the association between socioeconomic and demographic characteristics and patient outcomes following traumatic brain injury.

Publications

PUBLICATIONS

- **Pediatric Traumatic Brain Injury in the United States: Rural-Urban Disparities and Considerations.** *Brain sciences*
Yue, J. K., Upadhyayula, P. S., Avalos, L. N., Cage, T. A.
2020; 10 (3)
- **Preinjury employment status as a risk factor for symptomatology and disability in mild traumatic brain injury: A TRACK-TBI analysis** *NEUROREHABILITATION*
Yue, J. K., Rick, J. W., Morrissey, M., Taylor, S. R., Deng, H., Suen, C. G., Vassar, M. J., Cnossen, M. C., Lingsma, H. F., Yuh, E. L., Mukherjee, P., Gardner, R. C., Valadka, et al
2018; 43 (2): 169–82
- **Prospective comparison of long-term pain relief rates after first-time microvascular decompression and stereotactic radiosurgery for trigeminal neuralgia.** *Journal of neurosurgery*
Wang, D. D., Raygor, K. P., Cage, T. A., Ward, M. M., Westcott, S., Barbaro, N. M., Chang, E. F.
2018; 128 (1): 68-77
- **Ethnicity, Race, and Postoperative Stroke Risk Among 53,593 Patients with Asymptomatic Carotid Stenosis Undergoing Revascularization** *WORLD NEUROSURGERY*
Garcia, R. M., Yoon, S., Cage, T., Potts, M. B., Lawton, M. T.
2017; 108: 246–53
- **Penetrating knife injury to the skull: A case report in pediatric neurosurgical care** *TRAUMA-ENGLAND*
Cage, T. A., Sanai, N., Lawton, M. T., Auguste, K. I.

2017; 19 (4): 302–7

- **Use of Subdural Evacuating Port System Following Open Craniotomy with Excision of Native Dura and Membranes for Management of Chronic Subdural Hematoma** *CUREUS*
Cage, T., Bach, A., McDermott, M. W.
2017; 9 (4): e1197
- **A Superior Cerebellar Convexity Two-Part Craniotomy to Access the Paramedian Supra and Infratentorial Space: Technical Note** *CUREUS*
Cage, T., Benet, A., Golfinos, J., McDermott, M. W.
2016; 8 (6): e664
- **Surgical Approach to the Spinal Accessory Nerve** *Atlas of Neurosurgical Techniques: Spine and Peripheral Nerves*
Cage, T. A., Benet, A., Titus, E. W., Kliot, M.
edited by Fessler, R. G., Sekhar, L. N.
Thieme.2016; Second Edition: 836–842
- **Surgical Approach to the Axillary Nerve** *Atlas of Neurosurgical Techniques: Spine and Peripheral Nerves*
Benet, A., Cage, T. A., Kliot, M.
edited by Fessler, R. G., Sekhar, L. N.
Thieme.2016; Second Edition: 843–848
- **Visualization of nerve fibers and their relationship to peripheral nerve tumors by diffusion tensor imaging** *NEUROSURGICAL FOCUS*
Cage, T. A., Yuh, E. L., Hou, S. W., Birk, H., Simon, N. G., Noss, R., Rao, A., Chin, C. T., Kliot, M.
2015; 39 (3): E16
- **Downregulation of MYCN through PI3K inhibition in mouse models of pediatric neural cancer** *FRONTIERS IN ONCOLOGY*
Cage, T., Chanthery, Y., Chesler, L., Grimmer, M., Knight, Z., Shokat, K., Weiss, W. A., Gustafson, W.
2015; 5: 111
- **VISUALIZING AXON REGENERATION AFTER PERIPHERAL NERVE INJURY WITH MAGNETIC RESONANCE TRACTOGRAPHY** *NEUROLOGY*
Simon, N. G., Narvid, J., Cage, T., Banerjee, S., Ralph, J. W., Engstrom, J. W., Kliot, M., Chin, C.
2014; 83 (15): 1382–84
- **High-resolution ultrasonography and diffusion tensor tractography map normal nerve fascicles in relation to schwannoma tissue prior to resection Report of 2 cases** *JOURNAL OF NEUROSURGERY*
Simon, N. G., Cage, T., Narvid, J., Noss, R., Chin, C., Kliot, M.
2014; 120 (5): 1113–17
- **Peripheral Nerve Problems: An Overview for Patients and Their Family Members** *Comprehensive Guide to Neurosurgical Conditions*
Birk, H. S., Cage, T. A., Kliot, M.
edited by Agrawal, A., Britz, G.
Springer.2014: 129–144
- **Histologic grade and extent of resection are associated with survival in pediatric spinal cord ependymomas** *CHILDS NERVOUS SYSTEM*
Safaei, M., Oh, M. C., Kim, J. M., Aranda, D., Tarapore, P. E., Cage, T. A., Gupta, N., Parsa, A. T.
2013; 29 (11): 2057–64
- **Dual reinnervation of biceps muscle after side-to-side anastomosis of an intact median nerve and a damaged musculocutaneous nerve Case report** *JOURNAL OF NEUROSURGERY*
Cage, T. A., Simon, N. G., Bourque, S., Noss, R., Engstrom, J. W., Ralph, J. W., Kliot, M.
2013; 119 (4): 929–33
- **Feasibility, safety, and indications for surgical biopsy of intrinsic brainstem tumors in children** *CHILDS NERVOUS SYSTEM*
Cage, T. A., Samagh, S. P., Mueller, S., Nicolaides, T., Haas-Kogan, D., Prados, M., Banerjee, A., Auguste, K. I., Gupta, N.
2013; 29 (8): 1313–19
- **Subependymal spread of recurrent glioblastoma detected with the intraoperative use of 5-aminolevulinic acid Case report** *JOURNAL OF NEUROSURGERY*
Cage, T. A., Pekmezci, M., Prados, M., Berger, M. S.

2013; 118 (6): 1220–23

- **A systematic review of treatment outcomes in pediatric patients with intracranial ependymomas** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
Cage, T. A., Clark, A. J., Aranda, D., Gupta, N., Sun, P. P., Parsa, A. T., Auguste, K. I.
2013; 11 (6): 673–81
- **A systematic review of the results of surgery and radiotherapy on tumor control for pediatric craniopharyngioma** *CHILDS NERVOUS SYSTEM*
Clark, A. J., Cage, T. A., Aranda, D., Parsa, A. T., Sun, P. P., Auguste, K. I., Gupta, N.
2013; 29 (2): 231–38
- **DNET: Dysembryoplastic Neuroepithelial Tumors** *Tumors of the Pediatric Central Nervous System*
Cage, T. A., Tihan, T., Gupta, N.
edited by Keating, R. F., Goodrich, J. T., Packer, R. J.
Thieme.2013; Second Edition: 313–318
- **Treatment-related morbidity and the management of pediatric craniopharyngioma A systematic review** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
Clark, A. J., Cage, T. A., Aranda, D., Parsa, A. T., Auguste, K. I., Gupta, N.
2012; 10 (4): 293–301
- **High-Grade Gliomas in Children** *NEUROSURGERY CLINICS OF NORTH AMERICA*
Cage, T. A., Mueller, S., Haas-Kogan, D., Gupta, N.
2012; 23 (3): 515–+
- **A meta-analysis of predictors of seizure freedom in the surgical management of focal cortical dysplasia Clinical article** *JOURNAL OF NEUROSURGERY*
Rowland, N. C., Englot, D. J., Cage, T. A., Sughrue, M. E., Barbaro, N. M., Chang, E. F.
2012; 116 (5): 1035–41
- **Distinct patterns of human medulloblastoma dissemination in the developing chick embryo nervous system** *CLINICAL & EXPERIMENTAL METASTASIS*
Cage, T. A., Louie, J. D., Liu, S. R., Alvarez-Buylla, A., Gupta, N., Hyer, J.
2012; 29 (4): 371–80
- **Self-reported functional outcome after surgical intervention in patients with idiopathic normal pressure hydrocephalus** *JOURNAL OF CLINICAL NEUROSCIENCE*
Cage, T. A., Auguste, K. I., Wrench, M., Wu, Y. W., Gupta, N.
2011; 18 (5): 649–54
- **Clinical Characteristics and Surgical Outcomes of Patients Presenting With Meningiomas Arising Predominantly From the Floor of the Middle Fossa** *NEUROSURGERY*
Sughrue, M. E., Cage, T., Shangari, G., Parsa, A. T., McDermott, M. W.
2010; 67 (1): 80–86
- **Adjuvant enoxaparin therapy may decrease the incidence of postoperative thrombotic events though does not increase the incidence of postoperative intracranial hemorrhage in patients with meningiomas** *JOURNAL OF NEURO-ONCOLOGY*
Cage, T. A., Lamborn, K. R., Ware, M. L., Frankfurt, A., Chakalian, L., Berger, M. S., McDermott, M. W.
2009; 93 (1): 151–56
- **Big dreams, little sleep: dreams during pregnancy after prior pregnancy loss.** *Holistic nursing practice*
Van, P., Cage, T., Shannon, M.
2004; 18 (6): 284-92
- **Stage-specific and opposing roles of BDNF, NT-3 and bFGF in differentiation of purified callosal projection neurons toward cellular repair of complex circuitry** *EUROPEAN JOURNAL OF NEUROSCIENCE*
Catapano, L. A., Arlotta, P., Cage, T. A., Macklis, J. D.
2004; 19 (9): 2421–34