



Jenli Dawn Waters, MD

Clinical Assistant Professor, Neurosurgery

Bio

BIO

Dr. Waters is a board-certified, fellowship-trained neurosurgeon with the Neurosurgery Program at Stanford Health Care. She is also a clinical assistant professor of neurosurgery in the Department of Neurosurgery at Stanford University School of Medicine.

Dr. Waters specializes in treating a wide range of spinal conditions. These treatments include surgery to relieve numbness or pain related to pressure on the spinal cord and procedures to repair or stabilize the spinal column (spine fusion). Her areas of expertise also include diagnosis and treatment of traumatic brain injury and brain and spinal cancers.

Dr. Waters' research experience includes helping to develop effective strategies for diagnosing and treating patients with different neurological cancers, including glioblastomas. As a subspecialty medical expert for spine and neurosurgery, she successfully advocated for insurance coverage of state-of-the-art, minimally invasive approaches to treating epilepsy and brain tumors.

Dr. Waters has published her work in peer-reviewed journals, including the Journal of Neurosurgery and the Journal of Neuro-Oncology. She has also authored and co-authored chapters in numerous books describing neurosurgical techniques and the diagnosis and treatment of various neurological conditions, including brain and spinal cord tumors.

Dr. Waters is a member of the Congress of Neurological Surgeons.

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Neurosurgery

HONORS AND AWARDS

- Socioeconomic Fellow, Council of State Neurosurgical Societies (2011 – 2012)
- Clinical Neuroscience and Mental Health Medical Student Research Fellowship, National Institutes of Health (2003)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Congress of Neurological Surgeons (2006 - present)

Publications

PUBLICATIONS

- **Operative and Therapeutic Advancements in Breast Cancer Metastases to the Brain.** *Clinical breast cancer*
Jandial, R., Hoshide, R., Waters, J. D., Somlo, G.
2018; 18 (4): e455-e467
- **Space-brain: The negative effects of space exposure on the central nervous system.** *Surgical neurology international*
Jandial, R., Hoshide, R., Waters, J. D., Limoli, C. L.
2018; 9: 9
- **Historical perspectives on the biology of brain metastasis.** *Clinical & experimental metastasis*
Waters, J. D., Hoshide, R., Jandial, R.
2017; 34 (6-7): 365-367
- **Non-traumatic cranial lesions** *100 Case Reviews in Neurosurgery*
Waters, J., Harsh, G.
Elsevier.2017
- **Normal pressure hydrocephalus** *100 Case Reviews in Neurosurgery*
Rennert, R., Cheung, V., Waters, J.
Elsevier.2017
- **Cerebellar hemangioblastoma** *100 Case Reviews in Neurosurgery*
Waters, J., Jandial, R., Chen, M., Aizernberg, M.
Elsevier.2017
- **Cushing's Disease** *100 Case Reviews in Neurosurgery*
Waters, J., Jandial, R., Chen, M., Aizernberg, M.
Elsevier.2017
- **Arachnoid cyst** *100 Case Reviews in Neurosurgery*
Waters, J., Jandial, R., Chen, M., Aizernberg, M.
Elsevier.2017
- **Immediate post-operative brachytherapy prior to irradiation and temozolomide for newly diagnosed glioblastoma.** *Journal of neuro-oncology*
Waters, J. D., Rose, B., Gonda, D. D., Scanderbeg, D. J., Russell, M., Alksne, J. F., Murphy, K., Carter, B. S., Lawson, J., Chen, C. C.
2013; 113 (3): 467-77
- **Strategic design for pediatric neurosurgery missions across the Western Hemisphere.** *Surgical neurology international*
Hambrecht, A., Duenas, M. J., Hahn, E. J., Aryan, H. E., Hughes, S. A., Waters, D., Levy, M. L., Jandial, R.
2013; 4: 62
- **Diagnostic yield of stereotactic needle-biopsies of sub-cubic centimeter intracranial lesions.** *Surgical neurology international*
Waters, J. D., Gonda, D. D., Reddy, H., Kasper, E. M., Warnke, P. C., Chen, C. C.
2013; 4 (Suppl 3): S176-81
- **CT322, a VEGFR-2 antagonist, demonstrates anti-glioma efficacy in orthotopic brain tumor model as a single agent or in combination with temozolomide and radiation therapy.** *Journal of neuro-oncology*
Waters, J. D., Sanchez, C., Sahin, A., Futralan, D., Gonda, D. D., Scheer, J. K., Akers, J., Palanichamy, K., Waterman, P., Chakravarti, A., Weissleder, R., Morse, B., Marsh, et al
2012; 110 (1): 37-48
- **Gross total resection versus subtotal resection for central neurocytoma** *Controversies in Neuro-Oncology: Best Evidence Medicine for Brain Tumor Surgery*
Waters, J., Gonda, D., Chen, C., Carter, B.
Thieme.2011
- **Spine malignancies** *Frontiers in Spine and Spinal Cord Repair*

Waters, J., Navarro-Peran, E., Ciacci, J.
Springer.2011

- **Anterior corpectomy** *Essential Techniques in Operative Neurosurgery*
Waters, J., Ciacci, J.
Elsevier.2011
- **Stem cell origin of brain tumors.** *Advances in experimental medicine and biology*
Waters, D., Newman, B., Levy, M. L.
2010; 671: 58-66
- **Balamuthia mandrillaris meningoencephalitis in an immunocompromised patient. Case report.** *Journal of neurosurgery*
Kansagra, A. P., Menon, J. P., Yarbrough, C. K., Urbaniak, K., Waters, J. D., Borys, E., Jandial, R.
2009; 111 (2): 301-5
- **First Aid Cases for the USMLE Step 1**
Waters, J., Le, T., Krause, K., Klein, J., Shivaram, A.
McGraw Hill. New York, NY.
2006