



## **J DAWN WATERS, MD**

### **CLINICAL EXPERIENCE**

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- 2014 – present    **Sierra Neurosurgery Group** – Reno, NV
- 2013 – 2014      **Stanford University** – Stanford, CA  
Clinical Instructor – Skull Base Tumors and CyberKnife  
Department of Neurosurgery
- 2006 – 2013      **University of California San Diego** – San Diego, CA  
Neurosurgical Internship and Residency

### **EDUCATION**

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- 2002 – 2006      **Yale University School of Medicine** – New Haven, CT  
Doctor of Medicine (MD) - May 22, 2006
- 1998 – 2002      **Johns Hopkins University** – Baltimore, MD  
Bachelor of Arts (BA) 2002, Mathematics

### **LICENSING AND CERTIFICATIONS**

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- American Board of Neurological Surgery Board Eligible
- American Board of Neurological Surgery Primary Exam: passed in 2010
- Nevada State Medical Board Licensed
- California State Medical Licensed
- Federal DEA for schedules 2, 2N, 3, 3N, 4, 5
- Advanced Trauma Life Support

### **FELLOWSHIPS AND AWARDS**

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- 2011 – 2012      **Center for Theoretic and Applied Neuro-Oncology**  
**University of California – San Diego**  
*Research fellow*

This collaborative group of scientists and physicians develops novel diagnostic and therapeutic strategies for the treatment of neuro-oncology patients. Projects included:

- *CT-322, a VEGF-R2 antagonist, in glioblastoma treatment*
- *Brachytherapy as an adjunct in glioblastoma treatment*
- *Diagnostic yield from stereotactic biopsy of small intracerebral lesions*

- 2011 – 2012      **Council of State Neurosurgical Societies – Socio-economic fellow**  
Fellows receive grant support to execute projects and attend meetings for this national forum for state neurosurgical societies. My projects were:
- *Quantification and characterization of charity efforts of neurosurgeons.* (Project leader) I submitted this resolution to the council, which voted for its passage. I then constructed and distributed a survey. Results will be presented at the spring 2012 meeting.
  - *Quality assessment of resident education about socio-economic issues.* I constructed a survey for residents and faculty.
- 2010 – 2011      **The Sanford-Burnham Medical Research Institute – La Jolla, CA**  
*Post-doctoral fellowship in the laboratory of Alexey Terskikh, PhD.*  
This fellowship was completed in a dedicated human embryonic and neural stem-cell laboratory. My research focused on the role of Maternal Embryonic Leucine-zipper Kinase (MELK) on glioma.
- 2003              **NIH Clinical Neuroscience and Mental Health Medical Student Research Training Fellowship**  
Fellowship received through Yale University School of Medicine to fund my degree thesis under the mentorship of Linda Mayes, MD:
- *Social influences on children's motivation for reading, math, and general education.*
- 2002 – 2004      **Cohen Child Study Center, Yale School of Medicine – New Haven, CT**  
*Fellow – healthcare and social services advocate for a child and his family.*
- 2002              **Phi Beta Kappa, Johns Hopkins University – Baltimore, MD**
- 2002              **General Honors – Bachelor of Arts, Johns Hopkins University – Baltimore, MD**
- 2002              **Departmental Honors – Mathematics, Johns Hopkins University – Baltimore, MD**

## **PUBLICATIONS**

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**Waters JD, Harsh G.** (2014) *Cerebellar Hemangioblastoma.* In: 100 Case Reviews in Neurosurgery, ed. Jandial R., Chen M., Aizernberg M. Philadelphia: Elsevier. (In preparation)

**Waters JD.** (2014) *Cushing's Disease.* In: 100 Case Reviews in Neurosurgery, ed. Jandial R., Chen M., Aizernberg M. Philadelphia: Elsevier. (In preparation)

**Waters JD.** (2014) *Arachnoid Cyst.* In: 100 Case Reviews in Neurosurgery, ed. Jandial R., Chen M., Aizernberg M. Philadelphia: Elsevier. (In preparation)

Section ed: **Waters JD, Harsh G.** (2014) *Non-Traumatic Cranial Lesions.* In: 100 Case Reviews in Neurosurgery, ed. Jandial R., Chen M., Aizernberg M. Philadelphia: Elsevier. (In preparation)

**Waters JD, Rose B, Gonda DD, Scanderbeg DJ, Russell M, Alksne JF, Murphy K, Carter BS, Lawson J, Chen CC.** (2012) *Immediate post-operative brachytherapy prior to irradiation and temozolomide for newly diagnosed glioblastoma.* Journal of Neurooncology. 2013 Jul;113(3):467-77.

**Waters JD**, Gonda DD, Reddy H, Kasper EM, Warnke PC, Chen CC. *Diagnostic yield of stereotactic needle-biopsies of sub-cubic centimeter intracranial lesions*. *Surgical Neurology International* 2013;4:176-81.

Hambrecht A, Duenas MJ, Hahn EJ, Aryan HE, Hughes SA, **Waters D**, Michael L. Levy, Rahul Jandial. *Strategic design for pediatric neurosurgery missions across the Western Hemisphere*. *Surgical Neurology International* 2013;4:62.

**Waters JD**, Sanchez C, Sahin A, Futralan D, Gonda DD, Scheer JK, Akers J, Palanichamy K, Waterman P, Chakravarti A, Weissleder R, Morse B, Marsh N, Furfine E, Chen CC, Carvajal I, Carter BS. (2012) *CT-322, a VEGF-R2 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*: Volume 110, Issue 1, Page 37-48. (DOI) 10.1007/s11060-012-0948-7.

**Waters JD**, Gonda D, Chen CC, Carter BS. (2012) *Gross Total Resection versus Subtotal Resection for Central Neurocytoma*. In: *Controversies in Neuro-Oncology: Best Evidence Medicine for Brain Tumor Surgery*, eds. Alfredo Quiñones-Hinojosa A and Raza SM. New York: Thieme.

**Waters JD**, Navarro-Peran EM, Ciacci JD. (2011) *Spine Malignancies*. In: *Frontiers in Spine and Spinal Cord Repair*, ed. Jandial R. New York: Springer.

**Waters JD**, Ciacci JD. (2011) *Anterior Corpectomy*. In: *Essential Techniques in Operative Neurosurgery*, eds. Jandial R, McCormick P, and Black P. Philadelphia: Elsevier.

**Waters D**, Newman B, Levy ML. (2010) *Stem Cell Origin of Brain Tumors*. *Advances in Experimental Medicine and Biology*. 671: 58-66.

Kansagra AP, Menon JP, Yarbrough CK, Urbaniak K, **Waters JD**, Borys E, Jandial R. (2009) *Balamuthia mandrillaris meningoencephalitis in an immunocompromised patient. Case report*. *J Neurosurg*. 111(2):301-5.

**Waters JD**. (2006) Contributing author. In: *First Aid Cases for the USMLE Step 1*. Eds. Le T, Krause K, Klein J, Shivaram A. New York: McGraw Hill.

## **PRESENTATIONS**

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Brody RV, Faigman DL, Pantilat S, Rao R, Gerardi D, **Waters JD**. *Defining Death in America: The Intersection of Law, Medicine, Ethics & Politics*. UCSF/UC Hastings Consortium on Law, Science & Health Policy. (Grand rounds presentation and panelist. February 2014.)

Gonda DD, Kim TE, **Waters JD**, Goetsch SJ, Carter BS, Chen CC. *Cumulative Tumor Volume as a Novel Prognostic Factor for Brain Metastasis Undergoing Stereotactic Radiosurgery*. (Oral Poster presentation at the Congress of Neurological Surgeons convention in October 2012.)

**Waters JD**. (2012). *A Survey of Charitable Activity Among Neurosurgeons. (Resolution XI-2011F)* (Oral presentation to the Council of State Neurosurgical Societies, April 2012.)

**Waters JD**, Amador A, Gnedeva K, Navarro-Peran EM, Cimadamore F, Faust A, Terskikh A. *The Effect of Kinase-domain Knockout in Maternal Embryonic Leucine-zipper Kinase on Glioma*. (Poster presented at annual meeting of the American Association of Neurological Surgeons, April 2012.)

## **SOCIETY MEMBERSHIPS AND COMMUNITY INVOLVEMENT**

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- 2006 – present **American Association of Neurological Surgeons**
- 2006 – present **Congress of Neurological Surgeons**
- 2012 – present **Ethics Committee, University of California San Diego**
- 2012 – present **International Neurosurgical Children’s Association – Neurosurgeon**  
Charity group dedicated to training and equipping neurosurgeons in developing countries to employ more modern and minimally invasive techniques.  
Find out more online at [www.INCAchildren.org](http://www.INCAchildren.org)
- 2011 – 2012 **Council of State Neurosurgical Societies – Resident Socioeconomic Fellow**
- 2010 – 2011 **Resident Physician Council– San Diego, CA**  
*Council Secretary*  
*Representative of the Division of Neurosurgery*  
This task force is charged with identifying and addressing impediments to patient care and resident education within the University of California Healthcare System. The council is composed of resident representatives, Graduate Medical Education Office leadership, and the medical center Chief Medical Officer. Activities included:
- A pilot project to purchase and evaluate the utility of the iPad for residents.
  - Designating grants for resident education projects.
- 4/2006 **Himalayan Health Exchange – Dharamsala, India**  
Expedition team to deliver health care to residents of mountain villages.
- 2002 – 2006 **Curriculum Committee, Yale School of Medicine – New Haven, CT**  
*Class of 2006 Representative*
- Tasked with providing feedback and recommendations on the structure and content of the medical school curriculum. I was an advocate for surgery and emergency medicine exposure beyond minimum Liaison Committee on Medical Education (LCME) accreditation requirements.
- 1998 – 2002 **Varsity Women’s Crew, Johns Hopkins University – Baltimore, MD**  
*Captain 2001-2002*  
Collegiate Rowing Coaches Association, Scholar-Athlete Award  
US Rowing Association Honor Roll, NCAA Division III Crew – ranked 8<sup>th</sup> nationally
- 6/2002 – 7/2002 **Hopkins 4K for Cancer – Baltimore, MD**  
Cyclist in inaugural charity 4000-mile bicycle tour from Baltimore to San Francisco. Over \$1,000,000 has been raised by the organization to fund cancer related charities.
- 2001-2002 **Students Against Sexual Assault, Johns Hopkins University – Baltimore, MD**  
*Founder and Chief Instructor*  
Group of volunteer martial artists dedicated to teaching self-defense to underprivileged schoolgirls in Baltimore.

1997            **United States House of Representatives** – Washington, DC  
*Intern, Office of Representative Ron Paul, MD*  
Facilitated legislative research, office communications, and constituent service.

**TEACHING**

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2010            **University of California San Diego School of Medicine** – San Diego, CA  
*Workgroup Instructor, Basic Neurology Clinical Problem Solving Course*

2003 – 2004    **Yale University School of Medicine** – New Haven, CT  
*Lecturer and Teaching Assistant, First-Year Histology Laboratory*

2001-2004     **Kaplan Test Prep** – New Haven, CT and Baltimore, MD  
*Course Instructor and Personal Tutor, MCAT and DAT preparation courses*

**LANGUAGES**

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- Chinese (Mandarin)