



## James E. Boggan, M.D.

<b>Clinical Interests</b>	Dr. Boggan heads a specialty team that treats difficult-to-resect tumors of the head, neck and surrounding structures. He also is an expert in pediatric neurosurgery.
<b>Research/Academic Interests</b>	Dr. Boggan is interested in the innovative use of lasers and other energy sources for treating brain cancers, including photodynamic therapy and neutron-capture therapy for treatment of glioblastomas. His research investigations include retinoic acid receptor expression in primary and metastatic brain tumors, and whether gadolinium texaphyrins (contrast MRI agents) can make high-grade gliomas and glioblastomas more radiosensitive.
<b>Title</b>	Professor of Neurological Surgery Acting Chairperson, Department of Neurological Surgery Co-director of the Center for Skull-Base Surgery Co-director of the National Science Foundation (NSF) Center for Biophotonics
<b>Specialty</b>	<a href="#">Cancer</a> , Neurological Surgery
<b>Department</b>	<a href="#">Neurological Surgery</a>
<b>Division</b>	Neurological Surgery
<b>Center/Program Affiliation</b>	<a href="#">Center for Skull Base Surgery</a> <a href="#">UC Davis Children's Hospital</a> <a href="#">UC Davis Comprehensive Cancer Center</a>
<b>Address/Phone</b>	Lawrence J. Ellison Ambulatory Care Center, Neurosurgery Clinic, 4860 Y St. Suite 0100 Sacramento, CA 95817 <b>Phone:</b> 916-734-4300
<b>Additional Phone</b>	Clinic Phone: 916-734-4300 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
<b>Education</b>	M.D., University of Chicago Pritzker School of Medicine, Chicago, Illinois, 1976 B.A., Columbia University, New York City, New York, 1972
<b>Internships</b>	University of Chicago Hospital and Clinics, Chicago, Illinois, 1977
<b>Residency</b>	UC San Francisco, San Francisco, California, 1982
<b>Board Certifications</b>	American Board of Neurological Surgery, 1985



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### Professional Memberships

American Association of Neurological Surgeons  
American College of Surgeons  
American Medical Association  
American Society for Laser Medicine and Surgery  
American Society for Photobiology  
California Association of Neurological Surgeons  
California Medical Association  
Congress of Neurological Surgeons  
International Society for Laser Medicine and Surgery  
International Society of Pituitary Surgeons  
Laser Association of Neurological Surgeons International  
Laser Institute of America  
New York Academy of Sciences  
North American Skull-Base Society  
Pediatric Oncology Group  
Research Society of Neurological Surgeons  
Sacramento-El Dorado Medical Society  
Sigma Xi  
Southwest Oncology Group  
The Scientific Research Society

### Honors and Awards

UC Davis Health System, Ambassador of Diversity, 2006  
Child Abuse Prevention Council of Sacramento, Hearts and Hands for Children Founders Award, April, 2000  
Heart of a Hero Award, North Area Teen Center, County of Sacramento (nominated by the Sacramento District Attorney), 1997  
Certificate of Recognition, The Friends of Nursing, UC Davis, 1996  
"Top Doctors in America: Pacific Region", 1996  
Achievement Award in Science, California Black Business Expo, 1995  
Chair, Gordon Research Conference on Lasers in Medicine and Biology, 1990  
Catherine L. Dobson Award, 1976  
Medical Student Summer Research Award, 1973

### Select Recent Publications

Chen AY, Lee H, Hartman J, Greco C, Ryu JK, O'Donnell R, Boggan J. Secondary supratentorial primitive neuroectodermal tumor following irradiation in a patient with low-grade astrocytoma.



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Case report. *American Journal of Neuroradiology*, 26(1):1-3, 2005.

Donald PJ, Enepekides D, Boggan JE. Giant juvenile nasopharyngeal angiofibroma: Management by skull-base surgery. Clinical Note. *Archives of Otolaryngology Head and Neck Surgery*, 130:882-886, 2004.

Shahlaie K, Fox A, Butani L, Boggan JE. Spontaneous epidural hemorrhage in chronic renal failure. A case report and review. *Pediatric Nephrology*, 19:1168-1172, 2004.

Bench G, Grant PG, Ueda DL, Autry-Conwell SA, Hou Y, Boggan JE. Assessment of proton microbeam analysis of <sup>11</sup>B for quantitative microdistribution analysis of boronated neutron-capture agents in biological tissues. *Radiation Research*, 160:667-676, 2003.

Vicente MG, Edwards BF, Shetty SJ, Hou Y, Boggan JE. Syntheses and preliminary biological studies of four meso-tetra [(nido-carboranyl)methyl]phenyl porphyrins. *Bioorganic and Medicinal Chemistry*, 10:481-492, 2002.

Gilmer-Hill H, Ellis WG, Imbesi SG, Boggan JE. Spinal oligodendroglioma with gliomatosis in a child. *Journal of Neurosurgery: Spine*, 92(1):109-113, 2000.

Kim SY, McGahan JP, Boggan JE, McGrew W. Prenatal diagnosis of lipomyelomeningocele. *Journal of Ultrasound Medicine*, 19:801-805, 2000.

Gerscovich EQ, Maslen L, Cronan MS, Poirer V, Anderson MW, McDonald C, Boggan JE, Ivanovic M. Spinal sonography and magnetic resonance imaging in patients with repaired myelomeningocele: Comparison of modalities. *Journal of Ultrasound Medicine*, 18:655-664, 1999.

Gilmer H, Boggan JE, Smith KA, Frey CF, Wagner Jr. FC, Hein L. Intrathecal morphine delivered via subcutaneous pump for intractable pain in pancreatic cancer. *Surgical Neurology*, 51:6-11, 1999.

Gilmer H, Boggan JE, Smith KA, Wagner Jr. FC. Intrathecal morphine delivered via subcutaneous pump for intractable cancer pain: A review of the literature. *Surgical Neurology*, 51:12-15, 1999.

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