PACIFIC BRAIN TUMOR CENTER
AT PACIFIC NEUROSCIENCE INSTITUTE

We provide comprehensive care and minimally invasive surgery for patients with brain, skull base and pituitary tumors, as well as related problems such as spinal cord tumors and cranial nerve disorders.

PATIENT-CENTERED FOCUS: A multidisciplinary team approach providing tailored diagnostic and treatment plans.

EXPERIENCE, INNOVATION & RESEARCH: One of the largest series of keyhole and endoscopic surgeries world-wide; extensive academic publications; ongoing clinical trials and brain tumor genomics research.

TECHNOLOGY: State-of-the-art operating suite dedicated to endoscopic and keyhole neurosurgery.

CONSISTENT QUALITY CARE: Our physicians practice at Providence Saint John's Health Center, the only hospital in California to receive Healthgrades® America's 50 Best Award™ 9 years in a row.

PHYSICIAN EDUCATION: Regular symposia in brain tumor management and minimally invasive surgical techniques.

MINIMALLY INVASIVE "KEYHOLE" NEUROSURGERY

We incorporate state-of-the-art technology with proven surgical experience to make tumor removal safer, less invasive and more effective. Most brain, pituitary and skull base tumors can now be removed by a "keyhole" approach. These include the endonasal endoscopic approach (via the nose), the supraorbital "eyebrow" craniotomy, the retromastoid craniotomy (behind the ear) as well as other minimally invasive routes.

For an appointment or second opinion:

310-582-7450 | PacificBrainTumor.org

PACIFIC NEUROSCIENCE INSTITUTE℠

DISORDERS WE TREAT

BRAIN & SKULL BASE TUMORS

- Chordoma
- Colloid cyst
- Craniopharyngioma
- Epidermoid cyst
- Gliomas (astrocytoma, ependymoma, glioblastoma, oligodendroglioma)
- Hemangioblastoma
- Intraventricular tumors
- Meningioma
- Metastatic brain tumors
- Olfactory neuroblastoma & other sinonasal cancers
- Schwannoma (trigeminal & acoustic)

SPINAL CORD TUMORS

INTERNATIONAL PATIENTS

For patients living outside the United States, our physicians can provide a prompt review of imaging and other tests. We can suggest a recommendation about the optimal treatment options with no charge for such initial evaluations and preliminary reviews.

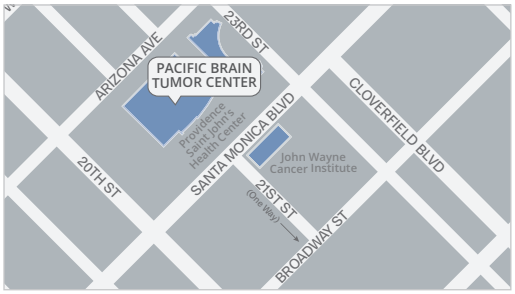
AMERICA'S 50 BEST HOSPITALS™ 2015 ★★★★★ healthgrades

Saint John's Health Center
PROVIDENCE Health & Services

PACIFIC BRAIN TUMOR CENTER
AT PACIFIC NEUROSCIENCE INSTITUTE

OUR EXPERT TEAM

Daniel F. Kelly, MD	Neurosurgery, Director
Garni Barkhoudarian, MD	Neurosurgery
Achal Singh Achrol, MD	Neurosurgery
Santosh Kesari, MD, PhD	Neuro-oncology
Chester Griffiths, MD & Kian Karimi, MD	Head & Neck Surgery (ENT)
Robert Wollman, MD & Lisa Chaiken, MD	Radiation Oncology
George Teitelbaum, MD	Interventional Neuro-radiology
David Krasne, MD & Yuki Takasumi, MD	Neuropathology
Amy Eisenberg, MSN, ARNP, CNRN	Program Nurse Practitioner



TO REACH THE CLINIC

- Proceed through the main hospital entrance
- Take the elevators down to the Garden Level
- Turn right toward the Brain Tumor Center & Neurosciences reception desk

DANIEL F. KELLY, MD
DIRECTOR, PACIFIC NEUROSCIENCE INSTITUTE

Dr. Kelly is an internationally recognized neurosurgeon with a focus in the field of endoscopic and keyhole brain surgery. He treats a wide range of tumors including pituitary adenomas, meningiomas, craniopharyngiomas, chordomas and metastatic brain tumors. Dr. Kelly is the recipient of the Patients' Choice Award and has been awarded the southern California SuperDoctor distinction 11 years in a row (2006-20017).

GARNI BARKHOUDARIAN, MD
CO-DIRECTOR, PACIFIC PITUITARY DISORDERS CENTER

Dr. Barkhoudarian is a neurosurgeon specializing in skull base and minimally invasive endoscopic surgery, particularly pituitary and parasellar tumors, intra-ventricular brain tumors, trigeminal neuralgia, hemifacial spasm, other cranial nerve syndromes and hydrocephalus. He is director of the Pacific Hydrocephalus Center and Pacific Facial Pain Center and director of Providence Saint John's Skull-Base and Endoscopic Microdissection Laboratory.

SANTOSH KESARI, MD, PhD
DIRECTOR, NEURO-ONCOLOGY

Dr. Kesari is a world-renowned neuro-oncologist with extensive experience treating all types of malignant brain tumors with particular emphasis on Gliobastoma multforme (GBM). A physician scientist and recipient of Castle Connolly's TopDoctor Award, he and his team conduct leading-edge research and clinical trials in immunotherapy and biomarker-based therapies.

ACHAL SINGH ACHROL, MD
CHIEF, GLIOMA SURGERY PROGRAM

Dr. Achrol specializes in computer-assisted minimally invasive keyhole and microvascular neurosurgery, using advanced neuroimaging and stereotactic navigation techniques. As a neurosurgeon and physician scientist, he treats patients suffering from brain tumors, stroke, intracranial aneurysms and vascular malformations.

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Pacific Neuroscience Institute, 2121 Santa Monica Blvd., Santa Monica, CA 90404 | PacificNeuro.org

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