

# Keck Medicine of USC

BEYOND EXCEPTIONAL MEDICINE™



## USC SKULL BASE THERAPEUTICS CENTER

A multidisciplinary approach to treating tumors at the base of the skull

The USC Skull Base Therapeutics Center provides groundbreaking care for pituitary tumors and other skull base disorders by combining the multidisciplinary expertise of a premier academic health system with personalized, concierge-level care and access to minimally invasive, leading-edge technology available nowhere else in Los Angeles.

The center collaborates with the USC Pituitary Center, the USC Acoustic Neuroma Center and the USC Minimally Invasive Neurosurgery and Endoscopic Skull Base Center to provide truly multidisciplinary care. It is the most experienced center with radiosurgery and minimally invasive endoscopic procedures.

The center also offers patients the ability to make multidisciplinary same-week appointments: Rather than coming in for three or four visits, patients can make a single appointment where all of their labs and consultations can take place in one streamlined visit.

### A RANGE OF EXPERTISE: CONDITIONS TREATED

Experts in neurosurgery, otolaryngology, radiation oncology, endocrinology, ophthalmology, neuroradiology and pathology streamline and optimize care for patients who have complex skull base tumors and related conditions, including:

- Acoustic neuroma
- Arteriovenous fistulae, including carotid cavernous fistulae
- Cerebrospinal fluid leaks
- Cholesterol granulomas
- Chordomas
- Craniopharyngioma
- Epidermoids
- Facial nerve tumors
- Giant or complex cerebral aneurysms
- Glomus jugulare tumors
- Meningioma
- Metastatic brain tumors
- Pituitary adenoma

# USC SKULL BASE THERAPEUTICS CENTER

## TREATMENT OPTIONS

The USC Skull Base Therapeutics Center treats patients who have been newly diagnosed with tumors as well as patients with recurrent complex tumors who have previously had treatment, including surgery and radiation. Patients' options include:

**Endoscopic neurosurgery**, a rapidly evolving subspecialty that takes full advantage of the most recent advancements in optical and video technology as well as surgical instrumentation to treat a variety of brain tumors and other conditions.

**Neuro-navigation**, the use of high-quality neuroimaging (such as an MRI) that is programmed into a specialized computer in the operating room and registered to the patient's surface anatomy prior to starting the operation.

**Open craniotomy**, which allows a trajectory from above and better exposure of the optic nerves and major arteries in this region.

**Radiosurgery treatment**, including the Gamma Knife® and TrueBeam™ STx techniques.

To make an appointment, call

**(800) USC-CARE**

**(800) 872-2273**

[neuro.keckmedicine.org](http://neuro.keckmedicine.org)



## EXCEPTIONAL TREATMENT FOR OUTSTANDING RESULTS

### EXPERT MEDICAL TEAM

- John David Carmichael, MD
- Eric Chang, MD
- Steven L. Giannotta, MD
- John L. Go, MD
- Kyle Hurth, MD, PhD
- Paul E. Kim, MD
- Niels C. Kokot, MD
- C. Jason Liu, MD, PhD
- Dennis R. Maceri, MD
- John Oghalai, MD
- Vivek R. Patel, MD
- Andrew J. Petkus, PhD
- Jonathan J. Russin, MD
- Mark S. Shiroishi, MD
- Peter A. Singer, MD
- Uttam K. Sinha, MD
- Naveed A. Wagle, MD
- Bozena B. Wrobel, MD
- Gabriel Zada, MD, MS

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