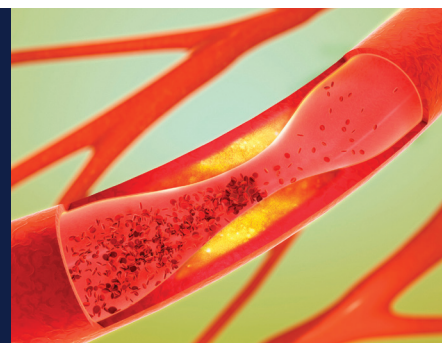


# Pediatric Stroke and Cerebrovascular Disease

[ucsfbenioffchildrens.org/stroke](https://ucsfbenioffchildrens.org/stroke)



## NATIONALLY RANKED

UCSF Benioff Children's Hospitals are ranked among the top four hospitals in California for pediatric neurology and neurosurgery



**NORTHERN CALIFORNIA'S ONLY SPECIALTY CLINIC** for hereditary hemorrhagic telangiectasia (HHT)



**CENTER OF EXCELLENCE** for cerebral cavernous malformations, as recognized by the Alliance to Cure Cavernous Malformation



**LEADER IN ADVANCED DIAGNOSTICS** and innovative treatments for conditions related to childhood stroke

## OVERVIEW

Specialized assessment and treatment are essential in managing pediatric stroke and cerebrovascular disorders. For these services, physicians nationwide can turn to UCSF Benioff Children's Hospitals' Pediatric Brain Center.

UCSF is home to a team with a rare depth of expertise in this field: children are evaluated by neurologists who are board-certified in both pediatric neurology and pediatric vascular neurology, and receive care from a team of pediatric neurosurgeons, vascular neurosurgeons, neurointerventional radiologists, intensivists, hematologists and other subspecialists.

Whether your patient needs emergent neurocritical care or post-stroke assessment to prevent recurrence and support their return to school, our team will work to provide them with expert, coordinated care.

## PROGRAM FEATURES

- Neurologists who are dual board-certified in vascular neurology and child neurology and have the experience-based insights to tease out the cause of a child's stroke
- Advanced diagnostic tools, including intra-operative angiography, computed tomography (CT) and magnetic resonance imaging (MRI)
- A team of experienced neurosurgeons and interventional neuroradiologists offering coordinated care in all effective therapies, including surgery, radiation therapy, embolization and Gamma Knife radiosurgery
- Experienced rehabilitation team of physiatrists, physical therapists, occupational therapists, speech-language pathologists and neuro-psychologists to provide follow-up care that is vital to helping children recover quickly and fully
- Telehealth services, when appropriate, for follow-up care

[MORE →](#)

## INFORMATION/ REFERRALS

- **Pediatric Access Center:** (877) 822-4453 (877-UC-CHILD)  
Immediate referrals, referral status and appointments
- **Pediatric Brain Center:** (855) 722-8273 (855-PBC-UCSF)  
Non-emergency referrals or second opinions



# Pediatric Stroke and Cerebrovascular Disease

## CONDITIONS TREATED

- Aneurysms
- Arterial dissection
- Arteriovenous malformations
- Cavernous malformations
- Hemorrhagic stroke
- HHT
- Ischemic stroke
- Moyamoya disease
- PHACE syndrome\*
- Vein of Galen malformations

## WHY REFER TO UCSF?

- UCSF is one of the few pediatric stroke and cerebrovascular disease programs nationwide that offer multidisciplinary, highly specialized care for even the most complex conditions.
- For emergent stroke cases, our Access Center facilitates speedy consultations with our pediatric stroke team, so patients can receive care within a few hours of an event.
- Our pediatric neurosurgery team has a record of success in cases previously deemed inoperable due to risk, misdiagnosis or lack of available expertise.
- In recognition of the care we provide for cerebral cavernous malformations, the Angioma Alliance named our program a center of excellence for addressing these blood vessel abnormalities that may lead to stroke.
- Patients with HHT may be referred to the UCSF HHT Center of Excellence, the only facility in Northern California specializing in HHT diagnosis and treatment.
- UCSF is at the forefront of research on pediatric neurovascular conditions. We are currently leading one of the nation's largest studies on pediatric stroke and directing a multicenter study of cerebrovascular malformations; both efforts are funded by the National Institutes of Health.

## REFERRALS

- **Pediatric Access Center:** (877) 822-4453 or (877-UC-CHILD)  
Immediate referrals of hyperacute stroke cases
- **Pediatric Brain Center:** (855) 722-8273 or (855-PBC-UCSF)  
Non-emergency referrals or second opinions
- **HHT Center of Excellence – Interventional Radiology:**  
(415) 353-8867

## LOCATION

Ron Conway Family Gateway Medical Building  
1825 Fourth St., Fifth Floor  
San Francisco, CA 94158

\* The acronym PHACE stands for Posterior fossa brain malformations; Hemangiomas, particularly large, segmental facial lesions; Arterial anomalies; Cardiac anomalies and coarctation of the aorta; and Eye abnormalities and Endocrine abnormalities.

## OUR TEAM

### Neurology

Christine Fox, MD, MAS  
Heather Fullerton, MD, MAS  
Rosemaryn Maquiling, RN

### Neurosurgery

Adib A. Abila, MD  
Kurtis Ian Auguste, MD  
Nalin Gupta, MD, PhD  
Winson Ho, MD  
Dan Raper, MBBS  
Luis Savastano, MD, PhD  
Peter Sun, MD  
Caroline Farless, RN, MS, CPNP

### Genetics

Joseph Shieh, MD, PhD

### Hematology

James Huang, MD  
Kristin Shimano, MD

### Neurointerventional Radiology

Matthew Amans, MD  
Daniel Cooke, MD  
Christopher Dowd, MD  
Val Halbach, MD  
Steven W. Hetts, MD  
Randall Higashida, MD  
Kazim Narsinh, MD  
Danny Langston, MSN

### Physiatry & Rehabilitation

Mitul Kapadia, MD, MPH  
Taron Davis, MD  
Joyce Harvey, PNP, MSN  
Courtney Sagar, MD

### Neuropsychology

Stephany Cox, PhD  
Shannon Lundy, PhD

### Psychology

Alexandra Ross, PhD  
Amanda Wagstaff, PhD  
Peggy O'Grady, LCSW, MSW

### Physician Assistant

Randall Bain, PA, MPH