

Pediatric and Congenital Electrophysiology

Expert heart rhythm care — from before birth through young adulthood

UCSF Benioff Children's Hospitals provide comprehensive, family-centered care for children and adults with congenital heart disease who also have heart rhythm disorders. Our pediatric electrophysiology team works within the Pediatric Heart Center to deliver coordinated care — from initial evaluation through advanced intervention and long-term follow-up.

Conditions We Treat

- Wolff-Parkinson-White (WPW) syndrome
- Fetal tachyarrhythmias and bradyarrhythmias
- Supraventricular tachycardia (SVT), ventricular tachycardia (VT) and other tachyarrhythmias
- Inherited and genetic arrhythmia syndromes (Long QT, CPVT, Brugada and others)
- Arrhythmias associated with congenital heart disease and cardiomyopathy
- Conduction system disorders and heart block
- Rhythm concerns in young athletes
- Family history of arrhythmia conditions and sudden cardiac arrest/death

Treatments and Services

We offer the full spectrum of pediatric electrophysiology care using evidence-based therapies tailored to each child's condition and stage of development.

- Comprehensive rhythm evaluation
- Standard ECG and ambulatory cardiac monitoring
- Medical management of arrhythmias
- Minimally invasive electrophysiology studies and drug challenge studies
- Radiofrequency and cryoablation therapy
- Pacemaker and implantable cardioverter-defibrillator (ICD) placement
- Implantable loop recorder (ILR) placement and management



Ranked best in Northern California for pediatric cardiology & heart surgery



High-volume program with deep experience in the full spectrum of arrhythmias



Dedicated expertise in complex and inherited arrhythmias



Leadership in clinical trials and arrhythmia research

Why Refer to UCSF Pediatric Electrophysiology

- Top-ranked pediatric heart program: Ranked best in Northern California for pediatric cardiology & heart surgery (*U.S. News & World Report*)
- Experience with complex rhythm disorders: Pediatric and Congenital Arrhythmia Center, with specialized expertise managing rare and complex arrhythmias using state-of-the-art electrophysiology technologies and evidence-based therapies
- Inherited arrhythmia expertise: Inherited Cardiac Arrhythmias Program (ICAP), providing dedicated specialists and collaboration with the Cardiovascular Genetics Center for comprehensive evaluation and management of the entire family
- Continuity across the lifespan: Coordinated collaboration and transition with adult cardiovascular services when appropriate
- Convenient locations: Electrophysiology evaluation and care available across Bay Area locations, with coordinated access to procedures at UCSF's Mission Bay campus

When to Refer

- Symptoms suggestive of a heart rhythm disorder, such as palpitations or atypical syncope
- ECG findings of an arrhythmia or conduction abnormality
- Documented arrhythmias
- Persistent or recurrent tachycardia and/or bradycardia
- Congenital heart disease or cardiomyopathy with risk factors for arrhythmia development
- Suspicion or confirmatory genetic testing results associated with arrhythmia disorders
- Family history of sudden cardiac arrest/death
- Pacemaker or other cardiac rhythm device management
- Second opinions



How to Refer

Same-day or urgent appointments are available.
Pediatric Access Center
(877) 822-4453 (877-UC-CHILD)

Referral information and additional resources available
through ucsfbenioffchildrens.org/heart
or ucsfbenioffchildrens.org/arrhythmia.

Our Team

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Locations

- Fairfield
- Modesto
- Oakland
- San Francisco
- San Ramon
- Stockton
- Walnut Creek

