

Neonatal Cardiovascular Center of Excellence

ucsfbenioffchildrens.org/neonatal-cardiovascular



UCSF Benioff Children's Hospitals are among the top 10 in the nation for neonatology.



Internationally renowned pediatric cardiac care specialists



Unparalleled expertise in surgical treatment of premature, low birthweight and very complex neonates with congenital heart disease

1st

in the world to perform open fetal surgery (1981)

90+

neonatal cardiac procedures annually

COMPREHENSIVE CARE FOR NEONATES WITH COMPLEX CONGENITAL HEART DISEASE

The UCSF Benioff Children's Hospitals' Neonatal Cardiovascular Center of Excellence (NCCOE) is a multispecialty, integrated program designed to provide holistic care for premature or critically ill infants with congenital heart disease (CHD). The center offers monitoring and treatment for at-risk infants, beginning before birth and extending through childhood. The comprehensive nature of the center is designed to improve both survival and long-term cardiovascular and neurodevelopmental outcomes for newborns.

The center unites a team of exceptionally skilled providers, integrating diverse expertise from across the spectrum of care offered at UCSF's Pediatric Heart Center, Fetal Treatment Center and Fetal Cardiovascular Program. The roster of providers includes world-renowned leaders in a wide range of subspecialties, including:

- Fetal cardiology
- Maternal-fetal medicine
- Neonatology
- Pediatric cardiac intensive care
- Pediatric cardiology
- Pediatric cardiothoracic surgery
- Pediatric pulmonary hypertension
- Perinatal and cardiac genetics

PROGRAM FEATURES

- **NEST (Nurturing Environment for Small hearTs):** A dedicated wing within the pediatric cardiac intensive care unit specially designed to foster the optimal development of neonates, with features such as cycled lighting, reduced noise levels and family support programs
- **Advanced imaging technologies:** Utilizing in utero MRI and echocardiography for precise diagnosis and treatment
- **Total surgical correction:** Offering complex CHD in premature, low-birthweight infants
- **Fetal therapies**
- **GRAND Program:** Providing therapies for growth and neurodevelopment

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INFORMATION / REFERRALS

- **PHONE** (800) 793-3887 (800-RX-FETUS)
- **FAX** (415) 502-0660

PROGRAM FEATURES (continued)

- **Interventional catheter-based palliation:** Delivering high-risk surgical patient care through minimally invasive procedures
- **Family outreach and support:** Assisting families from prenatal diagnosis through the critical neonatal period and beyond
- **Healthy Hearts and Minds Program:** Identifying and addressing developmental and neurological issues in children with congenital heart disease from birth through adolescence

CONDITIONS TREATED

- Atrioventricular canal defect
- Coarctation
- Coronary artery abnormalities
- Critical aortic or pulmonary stenosis
- Double outlet right ventricle
- Ebstein anomaly
- Fetal and neonatal arrhythmias
- Hypoplastic left heart syndrome
- Interrupted aortic arch
- Major aortopulmonary collateral arteries
- Pulmonary atresia with an intact ventricular septum
- Single ventricle
- Tetralogy of Fallot
- Total anomalous pulmonary venous return
- Tracheal stenosis and other airway abnormalities
- Transposition of the great arteries
- Tricuspid atresia
- Truncus arteriosus
- Vascular rings
- Ventricular septal defect
- Ventricular septal defect with pulmonary atresia

WHY REFER TO UCSF?

- **Prenatal diagnosis and treatment:** A world leader in diagnosing and treating birth defects before delivery
- **Seamless coordination:** Ongoing communication with referring providers for care planning, procedural results, updates and discharge planning, with direct access to UCSF's electronic medical record
- **Family-centered care:** Dedicated staff works with families to ensure optimal feeding, growth, development, comfort and education
- **Specialized program:** Single-Ventricle Home Monitoring Program for infants with single-ventricle repair, continuously tracking the child's status between planned surgeries
- **Advancements in research:** Access to clinical trials for new treatments in neonatal congenital heart disease and leadership in various research areas such as fetal intervention, fetal echocardiography, genetic factors in neonatal congenital heart disease, neurodevelopmental effects of congenital heart disease, quality improvement and pulmonary hypertension

OUR TEAM

Lori Fineman, RN, MS

Clinical nurse specialist (CNS)
Pediatric Cardiac Intensive Care
Pediatric Cardiac Transitional Care

Minso Kim, MD

Pediatric critical care specialist,
neonatal cardiac intensivist
and neonatologist

Anita Moon-Grady, MD, FACC, FAAP

Pediatric cardiologist
Director, Fetal Cardiovascular
Program, San Francisco

Phillip Moore, MD, MBA

Congenital interventional
cardiologist
Chief of Pediatric Cardiology,
San Francisco

Shabnam Peyvandi, MD, MAS

Pediatric cardiologist
Director, Healthy Hearts and
Minds Program
Associate Director, Fetal
Cardiovascular Program

V. Mohan Reddy, MD

Pediatric cardiovascular surgeon
Co-director, Pediatric Heart
Center, San Francisco
Chief, Division of Pediatric
Cardiothoracic Surgery

Martina A. Steurer, MD, MAS

Pediatric critical care specialist
and neonatologist

LOCATION

UCSF Benioff Children's Hospital
San Francisco
1975 Fourth St., Fourth Floor
San Francisco, CA 94158



[ucsfbenioffchildrens.org/
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