

# Comprehensive Early Anatomic Evaluation

ucsfbenioffchildrens.org/early-anatomy



## TOP 10 IN THE NATION

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

## 20%

Percentage of cases where exome sequencing identified the genetic cause of a fetal anomaly

## 650+

fetal surgeries and endoscopic fetal interventions since 1981



**10,000+** families cared for since 1981 from across the U.S. and around the world

## LEADERS IN GENOMICS AND PRECISION-BASED IN UTERO DIAGNOSIS AND CARE

Since its founding in 1981, the UCSF Fetal Treatment Center has continuously expanded its vision to incorporate dynamic new methods for fetal diagnosis and treatment based on the emerging fields of maternal-fetal genetics and precision medicine.

Advances in prenatal imaging technologies allow the experts at the UCSF Fetal Treatment Center to offer comprehensive early anatomic evaluations. These specialized examinations are conducted by maternal-fetal medicine specialists and cardiologists trained in advanced prenatal diagnosis. This is particularly beneficial for patients who are at higher risk of fetal malformation.

The early anatomic evaluation incorporates state-of-the-art ultrasound technology, enhancing the visualization of fetal anatomy at all gestation stages. This early anatomic evaluation is optimally performed at 12 to 14 weeks.

Benefits of this early anatomic evaluation include early access to targeted diagnostic testing and follow-up imaging, such as early fetal echocardiography. Our program also provides cutting-edge prenatal genetic testing, including fetal exome or genome sequencing. These early tests enable more informed decisions regarding the pregnancy and offer early reassurance to patients with normal results.

[MORE →](#)

## INFORMATION / REFERRALS

- **San Francisco:** Phone: (800) 793-3887 (800-RX-FETUS)  
Fax: (415) 502-0660
- **Oakland:** Phone: (510) 428-3156 | Fax: (510) 450-5670

# Comprehensive Early Anatomic Evaluation

## EVALUATION PROGRAM FEATURES

### Early Anatomic Evaluation

Clinical indications for early anatomic evaluation include:

- Abnormality suspected during nuchal translucency (NT) ultrasound
- Enlarged NT measurement (>3.5mm)
- Family history of a fetal anomaly
- History of a prior pregnancy with a fetal abnormality
- Monochorionic twins
- Poorly controlled pregestational diabetes (hemoglobin A1c >8.5 percent)
- Teratogen exposure

### Early Fetal Echocardiography

Fetal echocardiography, optimally performed at 12 to 14 weeks into pregnancy, can accurately identify heart structures and function, potentially uncovering heart disease. The combination of accumulated experience and improvements in imaging technology, e.g., high-frequency transducers, makes these early fetal echocardiograms an important diagnostic option.

Clinical indications for early fetal echocardiography include:

- Suspected cardiac abnormality on early anatomic evaluation or nuchal translucency (NT) ultrasound
- Enlarged NT measurement (>3.5mm)
- Parental history of congenital heart disease
- History of a prior pregnancy with a fetal heart defect
- Multiple gestations, especially monochorionic twins
- Poorly controlled pregestational diabetes (hemoglobin A1c >8.5 percent)

## WHY REFER TO UCSF?

- The Fetal Treatment Center works collaboratively with the UCSF Pediatric Heart Center to guide prenatal care for pregnancies complicated by congenital heart disease.
- Our large patient volume and the diversity of cases we see give us a depth and breadth of experience that help us provide the best care possible.
- UCSF Benioff Children's Hospitals are consistently ranked among the best in the nation in neonatology according to U.S. News & World Report's annual rankings of children's hospitals. Babies delivered here have immediate access to more than 150 pediatric experts in 50 specialties.

## OUR TEAM

### Perinatologists

Katherine Connolly, MD  
Neda Ghaffari, MD  
Juan Gonzalez-Velez, MD, PhD  
Roxanna Irani, MD, PhD  
Mary E. Norton, MD  
Annalisa Post, MD  
Larry Rand, MD  
Teresa Sparks, MD

### Pediatric Cardiologists

Michael Brook, MD  
Nicole Cresalia, MD  
Neeru Kaushik, MD  
Anita Moon-Grady, MD, FAAP, FACC  
Hythem Nawaytou, MBChB  
Shabnam Peyvandi, MD, MAS  
Kavitha Pundi, MD, FACC  
Emilio Quezada Liuti, MD

## LOCATIONS

### UCSF Betty Irene Moore Women's Hospital

1855 Fourth St., Second Floor  
Room A-2432  
San Francisco, CA 94158

### UCSF Benioff Children's Hospital Oakland

744 52nd St., Third Floor  
Oakland, CA 94609

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