



Oakland

San Francisco



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UCSF Benioff Children's Hospitals rank among the nation's best in all 10 specialties.

## World-class fetal medicine care

The UCSF Fetal Treatment Center (FTC) brings together a diverse team of experts from various fields, including maternal-fetal medicine, clinical genetics, pediatric surgery, radiology, nursing, cardiology, neonatal medicine, anesthesia and more. Our multidisciplinary approach ensures comprehensive and cutting-edge care for all aspects of fetal treatment and management.

### UCSF Fetal Treatment Center – San Francisco

UCSF Betty Irene Moore Women's Hospital  
1855 Fourth St., Second Floor, Suite A-2432  
San Francisco, CA 94158  
Phone: (800) 793-3887 | Fax: (415) 502-0660

### UCSF Fetal Treatment Center – Oakland

UCSF Benioff Children's Hospital Oakland  
744 52nd St., Third Floor  
Oakland, CA 94609  
Phone: (510) 428-3156 | Fax: (510) 450-5670

## Fetal Treatment Center Team Members



### Hanmin Lee, MD

Pediatric Surgeon  
Co-Director, Fetal Treatment Center  
Chief, Division of Pediatric Surgery  
Surgeon in Chief, UCSF Benioff Children's Hospital, San Francisco

Dr. Lee treats a wide variety of surgical conditions affecting fetuses, infants and children. He is an internationally recognized leader in minimally invasive fetal and neonatal surgery, as well as the treatment of life-threatening birth defects. Dr. Lee's research focuses on innovations in surgery. He has published more than 150 papers and book chapters on fetal and pediatric surgery, and he has helped lead multiple trials funded by the National Institutes of Health examining new and advanced pediatric and fetal surgical procedures.



### Mary Norton, MD

Perinatologist and Clinical Geneticist  
Co-Director, Fetal Treatment Center  
Co-Director, Center for Maternal-Fetal Precision Medicine  
Vice Chair of Women's Health Strategy

Dr. Norton cares primarily for pregnant individuals who have a fetus with a birth defect or genetic disorder or are at risk for such conditions. Dr. Norton performs prenatal tests and obstetrical ultrasounds and counsels patients for whom ultrasound detects a problem with the fetus. She also interprets complex genetic tests, especially when abnormalities are found. Her research interests include applying the latest genetic tests to prenatal diagnosis and fetal disease, as well as patient decision-making around genetic testing and obstetrical ultrasound.



**Anita Moon-Grady, MD**

Pediatric Cardiologist  
Medical Director, UCSF Fetal Cardiovascular Program

Dr. Moon-Grady specializes in pediatric and fetal echocardiography, intraoperative assessment during congenital cardiac surgery and fetal surgery. Her clinical research interests focus on fetal cardiovascular assessment and cardiac dysfunction in patients with congenital heart disease including fetuses undergoing surgical intervention, especially in multiple gestation pregnancies complicated by twin-to-twin transfusion syndrome. Dr. Moon-Grady is also actively involved in investigating the use of Artificial Intelligence to improve fetal heart disease detection and address health disparities at the population level. Additionally, she serves as Editor for Ultrasound in Obstetrics and Gynecology and board vice president of the Fetal Heart Society.



**Tippi MacKenzie, MD**

Pediatric Surgeon  
Co-Director, Center for Maternal-Fetal Precision Medicine  
Director, The Eli and Edythe Broad Center of Regeneration Medicine and Stem Cell Research

Dr. MacKenzie directs our program in basic and translational science as well as applications for clinical trials related to novel fetal therapies. She serves as the director of the Eli and Edythe Broad Center of Regeneration Medicine and Stem Cell Research as well as the co-director of the Center for Maternal-Fetal Precision Medicine. Dr. MacKenzie's research lab is dedicated to developing new therapies for genetic diseases. Notably, her team is conducting the world's first clinical trials for in utero stem cell transplantation and enzyme replacement therapy, both of which have led to successful treatment and term delivery.



**James Anderson, MD**

Neonatologist  
Medical Director, Fetal Treatment Center, Oakland

Dr. Anderson earned his medical degree at the University of Massachusetts Chan Medical School and completed a residency in pediatrics followed by a fellowship in neonatal-perinatal medicine at UCSF. His clinical interests encompass fetal medicine, neurodevelopmental follow-up of premature and critically ill neonates, and global health.



**Katherine Connolly, MD**

Perinatologist  
Medical Director, Prenatal Diagnostic Center

Dr. Connolly specializes in high-risk pregnancies, prenatal diagnoses of disorders or complications, and conducting prenatal ultrasound. With a specific focus in prenatal genetic abnormality screening, Dr. Connolly provides chorionic villus sampling (CVS) and amniocentesis at our Mission Bay location.



**Neda Ghaffari, MD**

Perinatologist

Dr. Ghaffari specializes in high-risk pregnancies, prenatal diagnoses of disorders or complications, and prenatal ultrasound. Her expertise includes caring for pregnant patients with heart disease or cancer, as well as those whose pregnancies involve birth defects. Dr. Ghaffari performs prenatal tests such as fetal echocardiogram (heart ultrasound), nuchal translucency screening and amniocentesis.



**Juan Gonzalez-Velez, MD**

Perinatologist  
Division Chief, Maternal-Fetal Medicine

Dr. Gonzalez-Velez specializes in high-risk pregnancies, with clinical interests in improving pregnancy outcomes for patients with cardiovascular disease, intrauterine transfusions and other fetal interventions. Notably, he performed intrauterine transfusions for the world's first in utero stem cell transplant for alpha thalassemia, resulting in a successful delivery.



**Shabnam Peyvandi, MD, MAS**

Pediatric Cardiologist  
Director, Healthy Hearts and Minds Program  
Associate Director, UCSF Fetal Cardiovascular Program

Dr. Peyvandi is a pediatric cardiologist with expertise in the prenatal diagnosis and management of congenital heart disease. She founded and directs the Healthy Hearts and Minds Program, a specialty program within the UCSF Pediatric Heart Center that focuses on long-term development and quality of life for children with congenital heart disease.



**Annalisa Post, MD**

Perinatologist

Dr. Post cares for patients with pregnancies that are complicated or high-risk. Her research focuses on improving outcomes for patients with pregnancy complications, including pre-eclampsia, chronic hypertension, monoamniotic twins and diabetic pregnancy.



**Larry Rand, MD**

Perinatologist  
Perinatal Director, California Preterm Birth Initiative

Dr. Rand specializes in high-risk pregnancies with fetal complications. He performs high-level obstetric ultrasound and prenatal diagnosis. Dr. Rand is the director of the California Preterm Birth Initiative and conducts multiple research studies focused on early markers to predict preterm birth.



**Nasim Sobhani, MD**

Perinatologist

Dr. Sobhani specializes in providing care throughout high-risk pregnancies. She provides comprehensive care for patients with pre-existing conditions that can affect pregnancy and for those with pregnancy-specific health conditions. She also cares for developing fetuses when genetic or structural conditions have been diagnosed in utero. She sees patients in both the hospital and the clinic.



**Teresa Sparks, MD**

Perinatologist and Clinical Geneticist  
Co-Director, Hydrops Center of Excellence

Dr. Sparks specializes in high-risk pregnancies and perinatal genetics. She has particular interests in fetal anomalies, management of pregnancies affected by maternal or fetal genetic conditions, and prenatal diagnosis. She is a Women's Reproductive Health Research (WRHR) scholar and is the principal investigator for a multicenter study to improve the diagnostic approach to and care for pregnancies with non-immune hydrops fetalis.



**Kate Swanson, MD, PhD**

Perinatologist and Clinical Geneticist

Dr. Swanson cares for people with complex pregnancies, particularly those related to maternal or fetal genetic conditions. She also provides preconception care to families at risk of pregnancy complications or with a history of pregnancy loss. In her research, Dr. Swanson focuses on the use of prenatal genetic testing to support patients, including how to make it accurate, accessible and understandable.