



## FACT SHEET UC DAVIS FETAL CARE AND TREATMENT CENTER



More than 1.5 million people live in Sacramento County and the annual birth rate has topped 19,000 in recent years. Nearly 1,500 of the babies born in Sacramento each year are classified as having a low birth rate, which often leads to additional complications. Another 100 infants die before they reach their first birthday.

Recognizing the need for specialized care for pregnant moms and their babies, UC Davis Children's Hospital established a Fetal Care and Treatment Center in July 2016.

### UC Davis Children's Hospital

UC Davis Medical Center is a nationally renowned academic medical center where clinical practice, teaching and research converge to advance human health. The UC Davis Children's Hospital is a leader in pediatric medical care in the Sacramento region and beyond, serving 33 counties that span a 65,000-square-mile area. UC Davis Children's Hospital provides children and their families the highest level of care for virtually every pediatric health condition.



UC Davis Children's Hospital was the first hospital on the West Coast, and only the fourth in the nation, to earn verification as a level I children's surgery center from the American College of Surgeons. In 2019-20, US News & World Report again ranked UC Davis Children's Hospital as one of the Best Children's Hospitals in five pediatric specialties, including neonatology (medical care for newborns with critical conditions).

### UC Davis Fetal Care and Treatment Center

Founded in July 2016, the UC Davis Fetal Care and Treatment Center is the only comprehensive multidisciplinary fetal diagnosis and therapy center in inland Northern California. The center provides comprehensive diagnostic, medical and surgical interventions for expectant families, allowing for intervention in utero or in real-time during the birthing process.

### Diagnostics and Interventions

The comprehensive team approach at the UC Davis Fetal Care and Treatment Center provides patients with care and expertise prior to conception, during pregnancy and when medical complications arise. Services include:

- Genetic counseling
- High risk prenatal care
- Fetal and neonatal surgical consults
- High risk delivery planning
- Prenatal testing
- High resolution ultrasound
- Ex-utero intrapartum treatment (EXIT)
- Image guided and needle based interventions
- Fetal MRI
- Fetal intervention for TTTs
- Fetoscopic procedures
- Open-fetal surgeries
- Fetal echocardiogram
- Neonatal cardiothoracic surgery





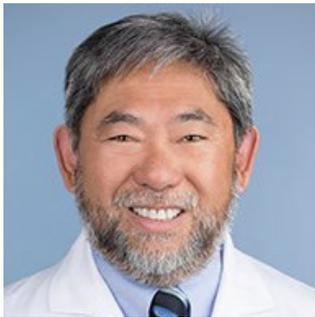
### The Expertise of World Renowned Leaders

Dr. Diana Farmer is a member of the Institute of Medicine of the National Academies – one of the highest honors in medicine – and a fellow of the prestigious Royal College of Surgeons of England. She was the first woman in the world to perform open fetal surgery. Farmer is known for skilled surgical treatment of congenital anomalies and cancer, airway and intestinal surgeries in newborns, as well as for a body of research that includes more than 200 peer-reviewed articles and a landmark study to evaluate the safety and efficacy of fetal spina bifida surgery. She is currently researching a novel stem cell therapy for repairing damaged neural tissue in patients with the condition.



Dr. Shinjiro Hirose became chief of the newly established UC Davis Division of Pediatric General, Thoracic and Fetal Surgery in 2015, with a joint appointment as director of pediatric surgery at Shriners Hospitals for Children – Northern California.

Hirose is also a nationally recognized children’s cancer surgeon and an expert in the development and use of minimally invasive surgery in children. He is also among the creators and founding members of the University of California Fetal Therapy Consortium, a collaboration of the five fetal treatment programs at UC campuses.



Dr. Herman Hedriana serves as chief of the UC Davis Division of Maternal-Fetal Medicine in the Department of Obstetrics and Gynecology, with a focus on premature birth risk assessment, prenatal diagnosis/screening, perinatal safety initiatives, prenatal diagnosis, fetal ultrasound and management of labor. Hedriana has authored peer-reviewed publications in these areas and is an active volunteer for March of Dimes, working on prematurity prevention, health care disparities and health care policies involving different California communities.

### Expert Care for the Sickest Babies

The Center offers comprehensive diagnostic and treatment options for a wide range of fetal syndromes including the following congenital disorders and conditions:

- |                                    |   |
|------------------------------------|---|
| Amniotic band syndrome             | Intracranial anomalies                    |
| Congenital diaphragmatic hernia    | Lower urinary tract obstruction (LUTO)    |
| Congenital heart defects           | Lung lesions (CPAM/CCAM/BPS)              |
| Congenital high airway obstruction | Neck masses                               |
| Ex-utero intrapartum treatment     | Omphalocele                               |
| Facial anomalies                   | Sacroccygeal teratoma (SCT)               |
| Fetal anemia                       | Spina bifida (myelomeningocele)           |
| Gastroschisis                      | Twin reversed arterial perfusion syndrome |
| GI obstructions                    | Twin-to-twin transfusion syndrome (TTTS)  |
| Hydrops                            |   |

To make a referral online, visit <http://fetalcare.ucdavis.edu>

916-794-BABY (2229)



Fetal Care and Treatment Center

