



## About The Fetal Center

The Fetal Center at Children's Memorial Hermann Hospital, affiliated with the physicians at UTHealth Medical School, is a national leader in fetal diagnosis, fetal intervention and comprehensive fetal care for babies with congenital anomalies or genetic abnormalities requiring treatment before or after birth. A national referring center, The Fetal Center offers patients a complete range of prenatal testing and fetal interventions with a coordinated program for mother and child before, during and after birth.

The internationally recognized affiliated team is the most experienced in the region in advanced fetal imaging and fetal intervention. The team includes world leaders in fetoscopic laser ablation for twin-twin transfusion

syndrome (TTTS), collectively performing more than 850 laser ablation cases to treat this serious condition, and was the first in the region to perform open fetal surgery for spina bifida repair. The affiliated clinical team includes dedicated maternal-fetal medicine (MFM) specialists, pediatric specialists, fetal cardiologists, genetic counselors, ultrasonographers and clinical coordinators.

The affiliated team of experts develops a comprehensive plan of care including a personalized health plan that identifies potential risk factors and early complications for both mother and baby. Each consultation includes an enhanced ultrasound to help detect key indicators for high-risk conditions and a personalized consultation with a certified genetic counselor to identify inherited risk factors. Equally important to the consultation process is a personalized nutrition plan created by a registered dietitian, when necessary. Once these tests and assessments have been completed, families meet with a maternal-fetal medicine expert to review results, outline a plan of care and become better educated about their particular diagnosis.

The Fetal Center offers the full spectrum of fetal therapies, including complex open fetal surgery for spina bifida repair and laser photocoagulation for twin-twin transfusion syndrome. Services offered at The Fetal Center include but are not limited to the following:

### Abdominal Wall Defects

- Gastroschisis
- Omphalocele

### Arm and Leg Conditions

- Amniotic band syndrome (ABS)
- Club foot
- Skeletal dysplasia

### Chest and Lung Conditions

- Congenital cystic adenomatoid malformations (CCAM)
- Congenital diaphragmatic hernia (CDH)
- Pleural effusions

### Gastrointestinal Conditions

- Duodenal atresia
- Esophageal atresia
- Intestinal atresia

### Head and Neck Conditions

- Cleft lip and palate
- Congenital high-airway obstruction (CHAOS)
- Craniosynostosis
- Neck masses

### Heart Defects

- Congenital heart disease
- Ebstein's anomaly
- Fetal cardiac arrhythmias
- Fetal cardiology consultation
- Fetal chylothorax or hydrothorax
- Hypoplastic left-heart syndrome
- Tetralogy of Fallot

(over)

**Hematological/Blood Conditions**

- Fetal anemia
- Fetal thrombocytopenia
- Non-immune hydrops

**Multiples Care Conditions**

- Comprehensive ultrasound and genetic testing to determine key markers for potential high-risk conditions
- Review of patient's nutritional status with specific dietary recommendations for multiple gestations
- Maternal-fetal medicine consultation

**Neurological Conditions**

- Agenesis of the corpus callosum
- CNS lesions
- Spina bifida (myelomeningocele)
- Ventriculomegaly (hydrocephalus)

**Tumors**

- Sacrococcygeal teratomas (SCT)

**Twin Conditions**

- Twin reverse arterial perfusion syndrome (TRAP)
- Twin-twin transfusion syndrome (TTTS)
- Selective intrauterine growth restriction (sIUGR)

**Urinary Conditions**

- Urinary tract obstructions



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