

# Colorado Fetal Care Center



2024 OUTCOMES

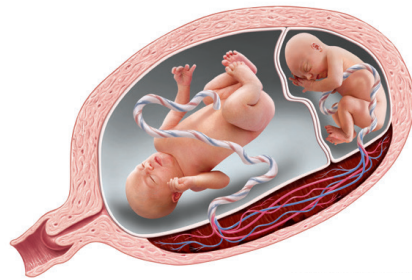
# Twin-Twin Transfusion Syndrome





The Colorado Fetal Care Center delivers some of the safest, highest-quality and most innovative fetal care. From perinatal medicine to neonatal and pediatric subspecialty care, we offer a full array of services for mothers, babies and families. We work with maternal fetal medicine specialists, midwives, obstetricians and family physicians locally and across the country and consider them an integral part of our team.

At the Colorado Fetal Care Center, we offer the most comprehensive, state-of-the-art testing, counseling and treatment for twin-twin transfusion syndrome (TTTS). Early detection is critical to help improve outcomes for both babies and their mother. And thanks to our care coordinators, all our patients' appointments will take place in one day, in one location.



462

Selective fetoscopic laser photocoagulation (SFLP) surgeries since 2012

66.9%

Survival for both twins since 2012\* (Higher than national benchmark)

88.6%

Survival for at least one twin since 2012\* (Higher than national benchmark)

24/7

Access to care

\*Numbers reflect those with delivery information available.



### Diagnostics

When it comes to treating patients with TTTS, accurate diagnosis is a critical first step that allows us to create a complete care plan. Over the last decade, our team of maternal fetal medicine specialists and pediatric surgeons has worked relentlessly to improve detection and treatment of fetal conditions, and our imaging services have grown exponentially. Today, we offer virtually every fetal diagnostic test and treatment available, including fetal ultrasounds and echocardiograms.



3,000+

Ultrasounds performed in 2024



1,700+

Fetal echos performed in 2024



300+

Fetal MRIs in 2024



### Fetal surgery and treatment

By caring for various fetal anomalies during pregnancy, we allow babies to start healing before they're even born. That way, they have a better chance at the best possible outcomes. When families come to us for care, we work closely with them to determine what treatments or interventions may be available for their baby's diagnosis, including the most advanced fetal surgery options. For treating TTTS, our team may offer selective fetoscopic laser photocoagulation (SFLP), a minimally invasive surgery to stop the uneven blood flow between babies. Our team sees a high-volume of TTTS cases and has extensive experience performing SFLP with great survival data and outcomes. If families are eligible for this surgery option, our team will discuss the potential benefits and risks to determine if this is the best next step in their care plan.

### Outcomes (Jan. 2012-Nov. 2024)\*

	Solomon Group	Children's Colorado Group
Overall survival	74%	77.8%
At least one surviving neonate	85%	88.6%
Double survival	64%	66.9%
TAPS or reoccurring TTTS	4%	2.4%

\*Numbers reflect those with delivery information available.





## Research and trials

Children's Hospital Colorado is one of the largest university-affiliated healthcare research complexes in the world, and as a result, we are continually working to develop new therapies across the perinatal spectrum, including examining the role of miRNA in TTTS, among others.

Some of our active trials for TTTS include:

### **Expression of micro RNAs in maternal serum in normal mono-di twin pregnancies and those with twin-twin transfusion syndrome**

This study is designed with the researchers to learn more about circulating micro RNA in women with monochorionic-diamniotic twin pregnancies. In learning more about these micro RNAs we may be better able to predict those pregnancies at highest risk for complications like TTTS.

### **Role of protein and miRNA biomarkers in amniotic fluid of patients with twin-twin transfusion syndrome**

This study aims to learn more about TTTS and how proteins in pregnant women's amniotic fluid affect babies' health and heart, compared to healthy babies.

51

Active research studies

## Partnership

Patients who come to the Colorado Fetal Care Center for fetal surgery addressing TTTS typically return to their homes within a week. Our work doesn't stop there though. We continue to connect with patients and their local care teams throughout the remainder of the pregnancy to ensure a seamless transition of care, provide information, answer questions and ensure the best possible outcomes. We remain connected, while the patient can still deliver their babies in their home community.

## Contact us

We happily accept referrals, consultations and requests for second opinions. We'll give you an honest appraisal of the best care options for your patients and families.



720-777-4463



[childrenscolorado.org/Fetal-Care](https://childrenscolorado.org/Fetal-Care)

## Learn more

Scan the QR code below to read more detailed information about the Colorado Fetal Care Center's work, including our services, capabilities, innovations and more.



# Colorado Fetal Care Center



Children's Hospital Colorado

Maternal Fetal Medicine  
Labor and Delivery  
Fetal Surgery  
Fetal Cardiology  
Neonatology  
Pediatric Subspecialty Care