

TREATMENT FOR TWIN-TO-TWIN TRANSFUSION SYNDROME (TTTS)

MIDWEST FETAL CARE CENTER OVERVIEW

The Midwest Fetal Care Center (MWFCC), a collaboration between Allina Health and Children’s Minnesota, brings together a multidisciplinary team of highly trained maternal-fetal medicine experts from Allina Health and pediatric and neonatal specialists from Children’s Minnesota. Open since 2008, the MWFCC is a national referral center and regional leader in fetal diagnosis, fetal intervention and comprehensive fetal care for unborn babies with abnormalities.

The center was started to meet the local need and has quickly grown into a national center with world-class outcomes. The MWFCC has evaluated approximately 3,000 patients per year.

TTTS + MWFCC

The Midwest Fetal Care Center (MWFCC) performed its first fetoscopic laser ablation (FLA) for twin-twin transfusion syndrome (TTTS) in 2008. Led by a team of top medical experts in the field of maternal-fetal medicine and fetal diagnosis and therapy, our program has become one of the highest volume treatment centers for TTTS in the nation and has exceptional outcomes.

Our center performed 251 laser surgeries between June 1, 2017, and December 10, 2025, with 242 delivered and 9 ongoing pregnancies, and an overall survival rate of 88%.

SURGICAL OUTCOMES

A summary of Midwest Fetal Care Center’s current clinical outcomes data for the treatment of TTTS is presented to the right. Our goal is to provide our patients and community the latest TTTS patient outcomes data to support informed decision-making.

We are actively involved in research regarding TTTS and collaborate with other advanced fetal care centers in the U.S. and internationally through the North American Fetal Therapy network (NAFTnet) and the International Fetal Medicine Surgery Society (IFMSS). We submit patient data (with informed consent) to a multi-center collaborative registry hosted by NAFTnet to investigate outcomes of this procedure with the goal of advancing care of families affected by TTTS.

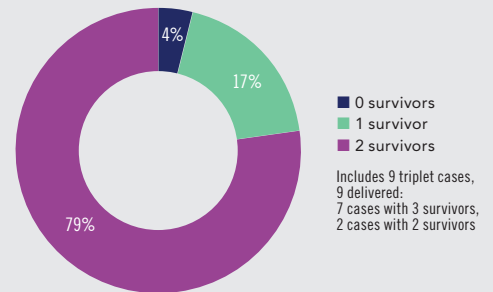
We encourage you to reach out to other health care systems to request and review their outcomes data in order to utilize the information available when evaluating your health care options.

TREATMENT SUMMARY

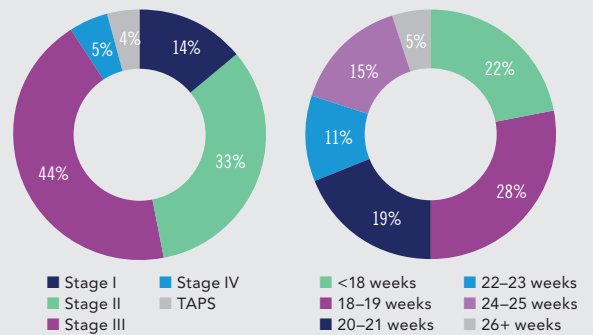
96% of procedures resulted in **one or both twin(s) surviving** **79%** of procedures resulted in **both twins surviving**

Neonatal survival after TTTS fetal procedure

FLA 415 out of 473 total babies delivered

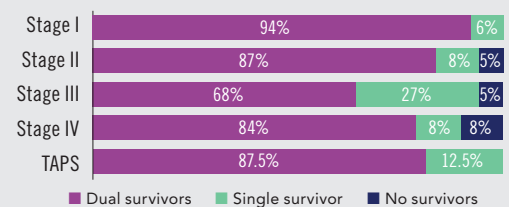


TTTS stage and gestational age at time of FLA



Average estimated gestational age at FLA: 20 weeks, 3 days
Average estimated gestational age at delivery: 31 weeks, 1 day

Neonatal survival rate by TTTS stage



Data measured June 1, 2017 – December 10, 2025