

Volumes & Outcomes Summary 2019

Pursuing Personalized Treatment Options
To Offer Real Hope

At Cincinnati Fetal Center, our experts in maternal-fetal medicine, neonatology and fetal surgery from Cincinnati Children’s, TriHealth and University of Cincinnati Medical Center share a passion for providing exceptional, comprehensive care. Our team specializes in treating complex and rare prenatal conditions. Our extensive experience, coupled with our clinical and basic science research to improve fetal care, enables us to provide the most sophisticated, effective therapies available.

Information in this document is based on data from fetal patients cared for by Cincinnati Fetal Center from February 1, 2004 through June 30, 2019, except where otherwise noted.

Overall Evaluations

Cincinnati Fetal Center has performed evaluations for the following:

High-Risk Pregnancy	6,264	Congenital Diaphragmatic Hernia	324
Twin-Twin Transfusion Syndrome	1,886	Congenital Pulmonary Airway Malformation	336
Twin Reversed Arterial Perfusion Sequence	113	Fetal Tumors	141
Spina Bifida/Myelomeningocele	347	Chorioangioma	18
Bladder Outlet Obstruction/ Posterior Urethral Valves	460	Amniotic Band Syndrome	59

Overall Procedures

In addition to amnioinfusions, amnioreductions, interuterine transfusions, amniocentesis, and shunts, the Cincinnati Fetal Center has also performed the following procedures:

Fetoscopic Procedures	1,423	Ex Utero Intrapartum Treatment (EXIT) Procedures	69
Radiofrequency Ablation (RFA) Procedures	116	EXIT-to-Airway	41
Open Fetal Surgeries (excluding EXITs)	79	EXIT-to-ECMO	13
Cesarean with ECMO on standby	66	EXIT-to-Resection of High-Risk Tumor	15

Twin-Twin Transfusion Syndrome (TTTS)

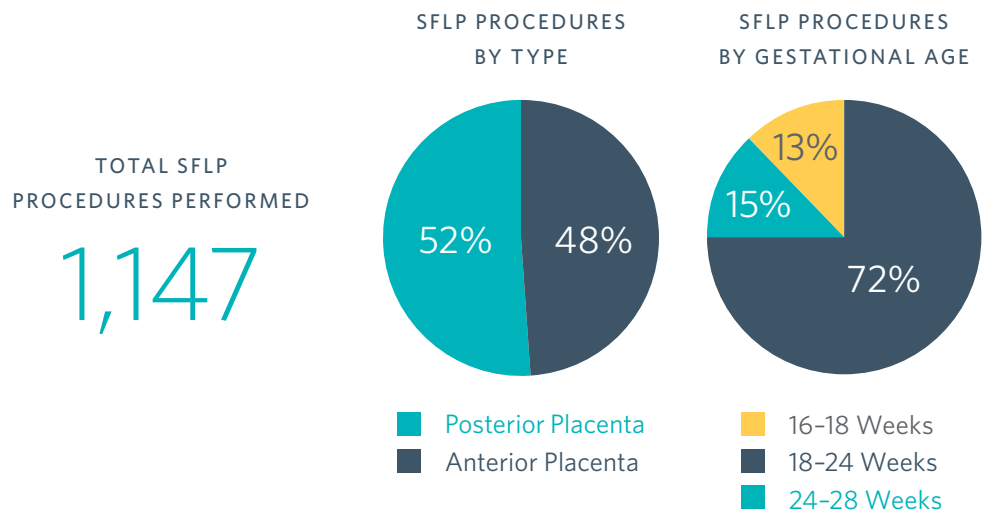
TOTAL NUMBER
OF EVALUATIONS

1,886

(includes triplet gestations)

Triplet Gestations	91
Fetoscopic Interventions	1,240

Volumes of Selective Fetoscopic Laser Photocoagulation (SFLP) Procedures to Treat TTTS



Survival Rates for Patients Undergoing SFLP Procedures *

QUINTERO STAGES I, II, III

All patients *including* placental insufficiency/growth restriction and patients with short cervix

Survival of at Least One Twin	93%
Survival of Both Twins	75%
Overall Survival	84%

QUINTERO STAGE IV

All patients *including* placental insufficiency/growth restriction and patients with short cervix

Survival of at Least One Twin	89%
Survival of Both Twins	82%
Overall Survival	86%

* Data reflects twin gestations from July 1, 2011 to June 30, 2019 with available outcome data.

Twin Reversed Arterial Perfusion Sequence (TRAP Sequence)

TOTAL NUMBER
OF EVALUATIONS

113

FETAL
INTERVENTIONS

81

Fetal Interventions	81
Radiofrequency Ablation (RFA)	77
Bipolar Cord Coagulation	4

Myelomeningocele (MMC)/Spina Bifida

TOTAL NUMBER
OF EVALUATIONS

347

Prenatal MMC Repairs	85
Fetoscopic Prenatal MMC Repairs*	32
Fetoscopic Prenatal MMC Repairs Delivering Vaginally*	37%

* Data reflects repairs starting in 2016.

Bladder Outlet Obstruction (BOO)/Posterior Urethral Valves (PUV)

TOTAL NUMBER
OF EVALUATIONS

460

Fetoscopic Intervention	25
Amnioport for Serial Amnio-infusions Performed as adjunct therapy for BOO/PUV and other GU anomalies including renal agenesis	26
<i>Vesicoamniotic Shunting is also a surgical option offered by our team</i>	

Congenital Pulmonary Airway Malformation (CPAM)

TOTAL NUMBER
OF EVALUATIONS

336

Open Fetal Surgery	7
EXIT-to-Resection	11
Shunt Placement	35
Overall Survival	92%

Congenital Diaphragmatic Hernia (CDH)

TOTAL NUMBER
OF EVALUATIONS

324

All CDH patients are cared for by a dedicated CDH team consisting of neonatologists, pediatric surgeons, pediatric cardiologists, nurses, nutritionists and therapists.

Overall Survival to Discharge for Severe CDH* 55%

Defined as: observed to expected lung area to head circumference ratio of less than 25% and with liver herniation

* Survival data includes CDH patients with isolated and non-isolated right or left defect from July 1, 2012 to June 30, 2019.

Fetoscopic Endoluminal Tracheal Occlusion (FETO)

Our surgeons have performed over 35 Fetoscopic Endoluminal Tracheal Occlusion procedures.



A. Balloon inflated inside baby's trachea
B. Pressure helps lungs to grow

C. Balloon traps fluid inside lung
D. Pressure helps lungs to grow

Survival to Discharge for Severe CDH after FETO 80%



fetalcarecenter.org

Call us at 1.888.FETAL59 with your referrals,
consult requests or emergency transfer needs.