

Intestinal Rehabilitation Center



The Intestinal Rehabilitation Center provides comprehensive, multidisciplinary care for children with complex intestinal disorders leading to short bowel syndrome and intestinal failure. Our specialists care for patients from around the United States and internationally and have a strong reputation for innovation and outcomes-driven treatment protocols.

CONTACT US

For patient referrals and non-urgent consultation during business hours, contact the center directly at:

phone: **513-803-7740**

email: ir@cchmc.org

www.cincinnatichildrens.org

HOW WE'RE DIFFERENT

The Center's multidisciplinary team includes gastroenterologists, pediatric surgeons, neonatologists, dietitians, nurse practitioners, rehabilitation therapists, speech-language pathologists (feeding specialists), social workers and clinical psychologists.

Multidisciplinary care begins from the time of diagnosis, either prenatally, neonatally or later in childhood. Our approach provides continuity of care as the child develops and minimizes frustrating periods of transition that can occur at many institutions.

The Center's innovative medical and surgical interventions are well integrated to achieve long-term goals tailored to the patient. Interventions include:

- Effective strategies to prevent central line-associated bloodstream infections in home parenteral nutrition patients. These include locking solutions such as ethanol and adjuncts, individualized educational protocols and quality assurance analysis
- Utilization of lipid management protocols such as intravenous fish oil-based lipids to prevent intestinal failure-associated liver disease
- Innovative surgical procedures to reconstruct the intestine
- Access to trophic gut peptides, including teduglutide
- Remote patient monitoring to improve communication, safety and outcomes
- Long-term surveillance to monitor growth, nutrition and comorbidities
- Participation in clinical trials to evaluate novel therapies

Intestinal transplant surgery may be offered when indicated. A pediatric gastroenterologist and transplant surgeon lead the transplant team, collaborating with nephrologists, pulmonologists, cardiologists and other providers to address each patient's unique needs.

TREATMENT TEAM

Conrad R. Cole, MD, MPH, MSc

*Pediatric Gastroenterologist
Medical Director, Intestinal
Rehabilitation Program*

**Paul W. Wales, MD, MSc, FRCSC, FACS,
FASPEN**

*Pediatric Surgeon
Surgical Director, Intestinal
Rehabilitation Program*

Michael Helmrath, MD, MS

*Pediatric Surgeon
Director of Clinical Translation, Center for
Stem Cell & Organoid Medicine (CuSTOM)*

Samuel A. Kocoshis, MD

*Pediatric Gastroenterologist
Medical Director, Intestinal
Transplant Program*

Stephanie Bachi DeCastro Oliveira, MD

*Pediatric Gastroenterologist
Associate Medical Director, Intestinal
Rehabilitation Center*

312

Patients seen in 2021



Patients traveled from **22 states** and **3 countries** in 2021

99%

of Intestinal Rehabilitation patients on chronic home parenteral nutrition with a direct bilirubin of less than 2 mg/dL in 2021

1.5/1,000

In 2021, our at home central line associated blood stream infection rate averaged below 1.5 per 1,000 catheter days

58

Isolated small bowel and small bowel/liver/pancreas transplants since 2003



Cincinnati Children's is ranked #1 in Gastroenterology & GI Surgery and #3 in the nation among Honor Roll hospitals.

CONDITIONS TREATED

Our team cares for children with the following intestinal disorders.

- Short bowel syndrome caused by:
 - Complications of inflammatory bowel disease, trauma and cancer
 - Gastroschisis
 - Hirschsprung disease
 - Intestinal atresia
 - Malrotation and volvulus
 - Meconium peritonitis
 - Necrotizing enterocolitis (NEC)
- Autoimmune bowel disease
- Complications related to small bowel transplantation
- Intestinal failure-associated liver disease (IFALD)
- Malabsorption diseases, including congenital diarrheal disorders

TREATMENT APPROACH

Our treatment team aims to optimize each child's intestinal function while helping them achieve healthy growth and development. We offer continuity of care throughout the patient experience, from the neonatal intensive care unit and other inpatient units to outpatient settings. Our dedicated team addresses common points of concern for families and helps ensure that long-term medical goals are achieved.

The Center offers comprehensive treatment recommendations and extensive training to educate and empower families in the care of their child. We strive to achieve world-class medical outcomes and the highest quality of life possible for our patients.

RESEARCH TO IMPROVE PATIENT CARE

Research is integrated into all aspects of the Intestinal Rehabilitation Center. Current studies evaluate state-of-the-art management as well as innovative approaches and next-generation care.

Areas of clinical research include:

- Nutritional and developmental outcomes of infants with intestinal failure and short bowel syndrome
- Surveillance of long-term outcomes and comorbidities
- Microbiome diversity in intestinal failure
- Quality of life impact on families of children with intestinal failure
- Healthcare economics
- Novel therapies, including trophic peptides and catheter lock solutions

Basic and translational research includes collaboration with the Center for Stem Cell and Organoid Therapy (CuSTOM) at Cincinnati Children's. Current projects use patients' intestinal stem cells to understand complex functional disorders and develop cellular therapies to treat short bowel syndrome and other intestinal diseases.

Our researchers are also studying the interaction of trophic peptides and the microbiome on intestinal adaptation and evaluating novel lipid emulsions on liver function and growth.

For urgent issues, or to speak with the specialist on call 24/7, call the Physician Priority Link® at 1-888-987-7997.