

LIVER, INTESTINE & MULTIVISCERAL TRANSPLANT PROGRAMS



The **Pediatric Transplant Center** at Children's Hospital Boston gathers together physicians, nurses and support specialists into a collaborative, interdisciplinary team. Programs for heart, lung, kidney, liver, intestine & multivisceral and stem cell transplant actively share knowledge and best practices to optimize outcomes for patients and their families.

Liver Transplant Program

The Liver Transplant Program at Children's Hospital Boston evaluates children who are potential candidates for transplantation, manages children with end-stage liver disease awaiting transplant and cares for transplant recipients.

Since the program's inception in 1984, Children's has performed more than 162 liver transplants and offered expertise in whole organ transplants, reduced-size liver transplants, split liver transplants and living donor transplants.

The Liver Transplant Program treats children with a variety of diagnoses including: biliary atresia, Alagille syndrome, alpha-1-antitrypsin deficiency, Wilson's disease, hepatitis, hemochromatosis, other metabolic disorders and liver tumors (hepatoblastoma).

Intestine & Multivisceral Transplant Program

The Intestine & Multivisceral Transplant Program at Children's Hospital Boston evaluates children who are potential candidates for small intestine transplantation, small intestine/liver transplantation and multivisceral transplantation and manages the care of children who have received these transplants.

The Intestine & Multivisceral Transplant Program treats infants and children with a variety of diagnoses including: gastroschisis, necrotizing enterocolitis (NEC), volvulus, short bowel syndrome, Hirschsprung's disease, intestinal atresia, pseudo-obstruction, microvillus inclusion disease, malabsorption and tumors.

Multidisciplinary and Family-Oriented Patient Care

Together, the Liver, Intestine & Multivisceral Transplant Programs represent a multidisciplinary service staffed by a team of specialists that includes transplant surgeons, transplant hepatologists and gastroenterologists, transplant coordinators, pathologists, pharmacists, social workers, psychiatrists, child life specialists and dieticians, as well as an experienced pediatric nursing staff with expertise in day-to-day transplant patient care.

At Children's Hospital Boston, our staff strives to make each family's experience as pleasant as possible. Support services, such as the Center for Families, are dedicated to helping every family find the information and resources they need to understand their child's medical condition and take part in their care. Our highly skilled Child Life Specialists help patients adjust to the hospital experience while consulting with the health care team on coping and developmental issues.

In order to provide the highest quality of care for all patients, both programs maintain a relationship with Lahey Clinic to provide surgical support for older patients and adult living donors.

Innovation and Research

Children's is home to the world's largest and most active research facility at a pediatric hospital, with current initiatives attracting a record \$120 million in funding. This includes more federal funding than any other pediatric facility.

Our clinicians and investigators hold several prestigious honors, including many clinical and research firsts. Heung Bae Kim, MD, Surgical Director of the Pediatric Transplant Center, developed the serial transverse enteroplasty, or STEP, procedure for short bowel syndrome. Dr. Kim is currently the only pediatric transplant surgeon in New England who is fellowship-trained in both Pediatric Surgery and Liver Transplantation. He and his colleagues performed the first successful multivisceral transplant in New England and the world's smallest successful multivisceral transplant in a 7 lb. baby. Maureen Jonas, MD, and Daniel Kamin, MD, lead the Center's medical programs for liver transplant and intestine & multivisceral transplant respectively.

Referrals and Consultations

To make a referral or for a consultation with either of these programs, call 1-888-CH-LIVER, or visit us on the web at www.childrenshospital.org/livertx or www.childrenshospital.org/inttx.

At A Glance: Outcomes

Number Of Pediatric Liver Transplants By Age

Age	Transplants
< 1	50
1-5	68
6-10	21
11-17	16
> 17	10
Total	165

Data source: 1984 - present

Liver Transplant Re-transplantation Rate: 3 % (overall)

Data source: 2002 - present

Patient Survival Rates

Transplant Type	1 Year	3 Years
Living Donor	100% (n=3)	100% (n=3)
Split Organ Liver	89% (n=18)	86% (n=7)
Whole Organ Liver	96% (n=23)	92% (n=12)
Multivisceral	100% (n=8)	100% (n=1)
Overall transplant	94% (n=54)	91% (n=22)

Data source: 2002 - present