Boston Children’s Hospital’s Department of Surgery provides both general and specialized surgical services to infants, children and adolescents living with a wide range of congenital and acquired conditions. Over the last decade, the use of minimally invasive surgery has redefined pediatric operations, combining safety, reduced post-operative pain and faster recovery. From tumors to transplants, hernias to hydroceles, we specialize in the timely evaluation and resolution of all pediatric surgical concerns.

**Clinic Locations**
- Boston Children’s Hospital: 300 Longwood Avenue, Fegan 3 Boston, MA 02215 617-355-7800 bostonchildrens.org/surgery
- Boston Children’s at Lexington: 482 Bedford Street, Lexington, MA 02420 781-672-2300
- Boston Children’s at Peabody 20 Centennial Drive, Peabody, MA 01960 978-339-3600
- Boston Children’s at Waltham 9 Hope Avenue, Waltham, MA 02453 617-355-7800
- Boston Children’s Physicians
  - Weymouth: Stetson Medical Center 541 Main Street Weymouth, MA 02191 617-355-6915
  - Andover Surgical Associates 140 Haverhill Street Andover, MA 01810 617-355-1838
- Boston Children’s Physicians North Dartmouth 500 Faunce Corner Road North Dartmouth, MA 02747 781-216-2400
- Boston Children’s Norwood Draper Building, 1st Floor 800 Washington St Norwood, MA 02062 781-216-2550
- Boston Children’s Milford Regional Medical Center, 3rd floor 14 Prospect Street Milford, MA 01757 617-355-0335

**Request an appointment online**
Physicians and families may request an appointment online at bostonchildrens.org/appointment.

**Urgent appointments**
We are happy to accept urgent same-day appointments. Physicians who urgently need a patient seen should call 617-355-7800.

**Programs and services**

**Adolescent Bariatric Surgery Program**
For teens whose weight exceeds the 99th percentile, surgery may be part of the long-term (indeed, lifelong) treatment plan. Our program provides education, nutritional planning and psychosocial support as necessary adjuncts to minimally invasive weight loss surgery.

617-355-2458 | bostonchildrens.org/bariatric

**Advanced Pediatric Trauma Center**
This program is a collaborative effort between Boston Children’s Hospital, its Harvard affiliated hospital neighbors and their respective departments of Obstetrics, Maternal-Fetal Medicine and Diagnostic Imaging. The program provides evaluation, genetic and obstetric counseling, imaging, invasive diagnostics and in case of peripartum trauma to mothers carrying children with an illness diagnosed in pregnancy.

1-866-FETALCARE (1-866-338-2522) | bostonchildrens.org/ptc

**Center for Advanced Intestinal Rehabilitation**
Specialists in gastroenterology, nutrition and surgery—together with nurses, physician assistants, dietitians, a social worker and a pharmacist—collaborate to provide a range of treatment options for short bowel syndrome. Care may involve nutritional management, medical services and/or surgical treatment, such as the serial transverse enteroplasty procedure for bowel lengthening.

617-355-5275 | bostonchildrens.org/cair

**Congenital Diaphragmatic Hernia (CDH) Program**
Provides multidisciplinary treatment of CDH and long-term follow-up care for children born with this complex health concern.

617-355-6019 | bostonchildrens.org/cdh

**Esophageal Advanced Treatment Program**
Performs the Foker technique for esophageal atresia, wherein traction sutures are used to stimulate growth of truncated esophageal segments prior to anastomosis. Our program also cares for children with lye strictures and hiatal hernias.

617-355-3038 | bostonchildrens.org/eah

**Pediatric Transplant Center**
Transplantation at Boston Children’s Hospital is an interdisciplinary effort between medical and surgical programs. Programs for heart, lung, kidney, liver, intestine and multivisceral, and stem cell transplant actively share knowledge and best practices to optimize outcomes for patients and their families.

1-877-764-PEDS (1-877-764-7377) | bostonchildrens.org/ptc

**Trauma Center**
Cares for more infants, children and adolescents seriously injured in accidents than any other hospital in New England. Beginning at the accident scene, a multidisciplinary team of pediatric experts coordinates the trauma patient’s care from emergency room through the inpatient stay and rehabilitation (when indicated). In addition, the team supports a child advocacy program for injury prevention in order to reduce the number of childhood traumatic injuries. Our center is one of the few in the nation that has received designation from the Committee on Trauma of the American College of Surgeons as a Regional Pediatric Trauma Center, the highest level awarded.

617-355-5400 (1-866-771-5437) | bostonchildrens.org/trauma

**Vascular Anomalies Center**
Known internationally as the preeminent site for the care of individuals with vascular anomalies, which include hemangiomas, vascular malformations and other, less common vascular tumors.

617-355-0328 | bostonchildrens.org/vac

**Research**
The Department of Surgery is committed to advancing the understanding and practice of pediatric surgery through research. We are one of the largest research departments at Boston Children’s. We are host to world-renowned laboratories involved in angiogenesis research and tissue engineering. Our extensive research initiatives are both laboratory- and clinic-based, providing research training opportunities to a large number of students and fellows.

Current research areas include:
- Fetal regenerative medicine
- Fetal biology and therapy
- Stem cells
- Tissue engineering
- Surgical metabolism and nutrition
- Short bowel syndrome
- Lung development
- Neonatal surgery
- Vascular anomalies
- Angiogenesis
- Oncology
- Transplantation
- Device development
- Trauma
- Clinical outcomes
- Quality improvement

**Training**
Boston Children's Department of Surgery offers several training programs, including:

- **Pediatric Surgery Fellowship**
  - The department has a proud tradition of training tomorrow’s leaders in pediatric surgery. This two-year fellowship offers exposure to a large volume of complex cases with liberal use of minimally invasive techniques. Our outpatient clinic is an integral component of the program, providing preoperative evaluation and postoperative care for many patients.

- **Surgical Critical Care Fellowship**
  - The fellowship is designed for individuals who are interested in obtaining formal training in pediatric surgical critical care and who wish to augment this experience with a one-to-two-year clinical research experience.

- **Two-year positions in surgical research**
  - Trainees will learn the latest scientific methods while working with established investigators in areas such as vascular biology, transplantation tolerance, organ regeneration, fetal therapy, tissue engineering, vascular anomalies, surgical nutrition and the treatment of short bowel syndrome.

bostonchildrens.org/fellowship
The Department of Pediatric Surgery strives to provide premier clinical care to children in both outpatient and inpatient settings. Caring for an average of 8,600 outpatient annually and performing more than 4,000 operative procedures each year, Boston Children's is one of the largest pediatric surgery programs in the world. Our team listens to you and your child. We work collaboratively with you to design a plan of treatment appropriate to your child’s condition and unique circumstances. We’re constantly engaged in clinical research designed to come up with new strategies for diagnosis and treatment.

Meet our team

TERRY L. BUCHMILLER, MD | 617-355-8445
Locations: Boston, Weymouth
Clinical Interests: Neonatal Surgery, Pediatric General Surgery, Thoracic Surgery
Board Certification: General Surgery, Pediatric Surgery

Catherine C. Chen, MD, MPH | 617-355-0535
Locations: Boston, Pembury
Clinical Interests: Pediatric Surgery
Board Certification: General Surgery, Pediatric Surgery

Russell W. Jennings, MD | 617-355-3038
Surgical Director, Esophageal Atresia Treatment Program
Location: Boston
Clinical Interests: Esophageal Atresia and Esophageal Reconstruction, Tracheomalacia, Airway Anomalies, Minimally Invasive Surgery, Neonatal Surgery, Pediatric General Surgery, Thoracic Surgery
Board Certification: General Surgery, Pediatric Surgery

Belinda M. Dickie, MD | 617-355-7800
Locations: Boston
Clinical Interests: Pediatric General Surgery, Pediatric Critical Care
Board Certification: General Surgery, Pediatric Surgery

Shawn J. Rangel, MD, MSCE | 617-355-6915
Locations: Boston, Andover, Lawrence
Clinical Interests: Neonatal Surgery, Pediatric General Surgery, Thoracic Surgery, Anorectal Malformations, Surgical Quality & Safety
Board Certification: General Surgery, Pediatric Surgery

Steve J. Fishman, MD | 617-355-3040
Co-director, Vascular Anomalies Center
Locations: Boston
Clinical Interests: Pediatric General Surgery, Vascular Malformations, Thoracic Surgery, Vascular Anomalies
Board Certification: General Surgery, Pediatric Surgery

San Rice-Townsend, MD | 617-355-6915
Locations: Boston
Clinical Interests: Pediatric General Surgery, Surgical Critical Care
Board Certification: General Surgery, Pediatric Surgery

Thomas E. Hamilton, MD | 617-355-5038
Locations: Boston
Clinical Interests: Esophageal Atresia, Pediatric Surgical Oncology, Neonatal Surgery, Pediatric General Surgery
Board Certification: General Surgery, Pediatric Surgery

Siren Modl, MD | 617-355-2458
Locations: Boston, Waltham
Clinical Interests: Endocrine Surgery, Neonatal and Pediatric General Surgery, Infants' Failure and Short Bowel Syndrome, Thoracic Surgery
Board Certification: General Surgery, Pediatric Surgery

David P. Mooney, MD, MPH | 617-355-0555
Director, Trauma Center
Locations: Boston, Malden, Waltham
Clinical Interests: Pediatric General Surgery, Thoracic Surgery, Trauma Surgery
Board Certification: General Surgery, Pediatric Surgery

Konstantinos "Gus" Papadakis, MD | 617-355-6915
Locations: Boston, Weymouth
Clinical Interests: Minimally Invasive Surgery, Pediatric General Surgery, Oncology, Thoracic Surgery, Geriatric Surgery
Board Certification: General Surgery, Pediatric Surgery

Mark Puder, MD, PhD | 617-355-1838
Locations: Boston, Andover, Lawrence
Clinical Interests: Pediatric General Surgery, Thoracic Surgery
Board Certification: General Surgery, Pediatric Surgery

Brent Weil, MD | 617-355-5039
Locations: Boston, Waltham
Clinical Interests: Pediatric Surgical Oncology, Pediatric General Surgery, Inflammatory Bowel Disease, Minimally Invasive Surgery
Board Certification: Surgery, Pediatric Surgery

Christopher B. Weldon, MD, PhD | 617-355-4503
Locations: Boston, Waltham
Clinical Interests: Pediatric Surgical Oncology, Pediatric Surgery, General Surgery, Critical Care
Board Certification: General Surgery, Pediatric Surgery, Surgical Critical Care

Jill Zaleczkas, MD | 617-355-6019
Locations: Boston
Clinical Interests: Neonatal Surgery, Pediatric General Surgery, Thoracic Surgery, Inflammatory Bowel Disease
Board Certification: General Surgery, Pediatric Surgery, Surgical Critical Care

Benjamin Zendejas-Mummert, MD | 617-355-7080
Locations: Boston, Andover, Lawrence
Clinical Interests: Neonatal Surgery, Pediatric General Surgery, Surgical Critical Care, Minimally Invasive Surgery, Thoracic Surgery, Esophageal Atresia, Thyroid Disease
Board Certification: American Board of Surgery, General Surgery

Khasayar Vakili, MD | 617-355-8544
Locations: Boston
Clinical Interests: Liver, Kidney and Intestine Transplantation, Vascular Surgery
Certification: American Society of Transplant Surgeons
Board Certification: General Surgery

Robert C. Shamberger, MD | 617-355-8326
Chief, Department of Surgery
Locations: Boston, Waltham, Lexington
Clinical Interests: Pediatric Oncology, Inflammatory Bowel Disease, Chest Wall Deformities, Thoracic Surgery, Minimally Invasive Surgery
Board Certification: General Surgery, Pediatric Surgery

Kenaki Alesheid, MD | 617-355-8898
Locations: Boston, Andover, Lawrence
Clinical Interests: Pediatric General Surgery, Thoracic Surgery, Trauma Surgery
Board Certification: General Surgery, Pediatric Surgery

Craig W. Lilliehl, MD | 617-355-5039
Locations: Boston, Waltham
Clinical Interests: Pediatric General Surgery, Pediatric Critical Care
Board Certification: General Surgery, Pediatric Surgery, Surgical Critical Care

Shawn H. Zhang, MD | 617-355-6931
Locations: Boston, Andover, Lawrence
Clinical Interests: Pediatric General Surgery, Thoracic Surgery, Minimally Invasive Surgery
Board Certification: General Surgery, Pediatric Surgery

Heung Bae Kym, MD | 617-355-8544
Director, Pediatric Transplant Center
Locations: Boston
Certification: American Society of Transplant Surgeons
Board Certification: General Surgery, Pediatric Surgery, Transplantation

Julie P. Kariyawasam, MD | 617-355-8533
Locations: Boston, Waltham
Clinical Interests: Pediatric General Surgery, Minimally Invasive Surgery
Board Certification: General Surgery, Pediatric Surgery