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

- **SARG SAAD, MD**
  - Board Certification: General Surgery, Pediatric Surgery
  - Clinical Interests: Neonatal Surgery, Gastrointestinal Motility Disorders, Minimally Invasive Surgery
  - Locations: Boston

- **TERRY L. BUCHBRELLER, MD**
  - Board Certification: General Surgery, Pediatric Surgery
  - Clinical Interests: Neonatal Surgery, Gastrointestinal Motility Disorders, Minimally Invasive Surgery
  - Locations: Boston, Weymouth, Peabody

- **CATHERINE C. CHEN, MD, MPH**
  - Board Certification: General Surgery, Pediatric Surgery
  - Clinical Interests: Neonatal Surgery, Pediatric General Surgery, Thoracic Surgery
  - Locations: Boston, Peabody

- **RUSSELL W. JENNINGS, MD**
  - Board Certification: General Surgery, Pediatric Surgery
  - Clinical Interests: Neonatal Surgery, Pediatric General Surgery, Thoracic Surgery
  - Locations: Boston, North Dartmouth

- **BRENN ON EW, MD, PhD**
  - Board Certification: General Surgery, Pediatric Surgery
  - Clinical Interests: Neonatal Surgery, Pediatric General Surgery, Thoracic Surgery
  - Locations: Boston, Waltham

- **SHAWN J. RAGLE, MD, MSCE**
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- **MARGARET KOEHLER, MD**
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- **DAVID F. MOSNEY, MD, MPH**
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- **RICHARD V. SUMMERS, MD**
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- **STEVEN J. FISHERMAN, MD**
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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 Fetal Care 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 obstetrical counseling, imaging, invasive diagnostics and in utero or periartum therapy to mothers carrying children with an illness diagnosed in pregnancy.
1-866-FETALCARE (1-866-338-2522) | bostonchildrens.org/atc

Center for Advanced Intestinal Rehabilitation
Specialists in gastroenterology, nutrition and surgery—together with nurses, nurse practitioners, 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/eat

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 multiorgan, and stem cell transplant actively share knowledge and best practices to optimize outcomes for patients and their families.
1-877-TX4-PEDS (1-877-894-7337) | 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 in accidents than any other hospital in New England. Beginning at the accident scene, a multidisciplinary team of pediatric experts—statistically the highest level awarded.
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.
617-355-5226 | 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 support 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:
- Angiogenesis
- Biology of cancer
- Cancer and bowel surgery
- Cell mechanics and structure
- Fetal gut development
- Fetal tissue engineering
- Lung growth
- Maternal-fetal treatment
- Neonatal surgery
- Prostate cancer
- Repair of congenital defects
- Transplantation and tissue engineering
- Trauma care
- Vascular anomalies and malformations

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 medicine 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.

Clinic Locations

Boston Children’s Hospital
300 Longwood Avenue, Fegan 3
Boston, MA 02115
617-355-7800
bostonchildrens.org/surgery

Boston Children’s at Lexington
482 Bedford Street
Lexington, MA 02420
781-672-2100

Boston Children’s at Peabody
10 Centennial Drive
Peabody, MA 01960
978-538-3600

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 02192
617-355-6913

Andover Surgical Associates
140 Audubon 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
617-355-0355

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.

Highlights

Surgical care firsts:
- Successful infant lung transplant in New England
- Use of the combination of a peripartum ex utero intrapartum treatment procedure and extracorporeal membrane oxygenation to treat an infant with critical airway obstruction
- Organized training program for trainees in pediatric surgery
- Published textbook in pediatric surgery in the Western world
- Ladd and Gross’ Abdominal Surgery of Childhood
- Definition of the research field of angiogenesis
- Successful application of angiogenesis inhibitors to treat a childhood tumor
- Description of tracheal occlusion to facilitate development of the “hypoplastic” lung
- Development and use of the serial transverse enteroplasty procedure as a treatment for short bowel syndrome

Areas of expertise

Our team treats a wide range of conditions and performs a variety of procedures:
- Abdominal masses
- Appendicitis
- Branchial cyst
- Bariatric (adolescent) weight loss surgery
- Chest wall masses
- Choledochal cyst
- Circumcision
- Congenital cystic adenomatoid malformation
- Crohn’s disease
- Esophageal atresia
- Ewing sarcoma
- Familial adenomatous polyposis
- Foreign bodies
- Gallstones
- Gastroesophageal reflux
- Gynecomastia
- Hemia (inguinal, umbilical and epigastric)
- Hirschsprung’s disease
- Hydrocele
- Hypoplasia
- Hypospadias
- Imperforate anus
- Inguinal hernia
- Liver injuries
- Lumps, bumps and lesions
- Mid-aortic syndrome
- Morbid obesity
- Mothly disorders
- Pectus carinatum
- Pectus excavatum
- Phimosis
- Pelvic cyst
- Renal artery stenosis
- Short bowel syndrome
- Soft tissue lesions
- Spleen injuries
- Splenectomy and splenorrhaphy
- Thoracic outlet syndrome
- Thyroglossal duct cyst
- Thyroid nodules
- Ulcerative colitis
- Undescended testes
- Vascular anomalies
- Wilms tumor

bostonchildrens.org/surgery