

# Pediatric Specialist Guide

*A referral guide for health care providers*



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Children's Hospital Boston

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CHILDRENSHOSPITAL.ORG

## CARDIAC SURGERY

### Cardiac Surgery

[childrenshospital.org/heart](http://childrenshospital.org/heart)

## SCHEDULING

#### Children's Hospital Boston

300 Longwood Avenue, Bader 2 and Farley 2

Boston, MA 02115

617-355-HART (4278)

888-334-HART

#### AREAS OF EXPERTISE:

- aortic and mitral valve repair
- aortic stenosis/regurgitation
- atrial septal defect\*
- anomalous coronary artery
- double outlet right ventricle
- Ebstein's anomaly
- heart transplantation
- hypoplastic left heart syndrome
- lung transplantation
- mitral stenosis and regurgitation
- neonatal surgery
- partial anomalous pulmonary venous return\*
- patent ductus arteriosus
- pulmonary atresia, intact ventricular septum
- pulmonary stenosis
- partial anomalous pulmonary venous return\*
- surgery for arrhythmias
- tetralogy of fallot with or without pulmonary atresia
- total anomalous pulmonary venous return
- partial anomalous pulmonary venous return\*
- tracheal stenosis
- transposition of the great arteries (complex; intact ventricular septum or VSD)
- truncus arteriosus
- valve regurgitation
- vascular ring\*
- ventricular assist devices
- ventricular septal defect\*
- 3D echo guided valve reconstruction

\*Children's heart surgeons have pioneered minimally invasive surgical techniques for these procedures, including video assisted thoracoscopy and robotic surgery.

#### HIGHLIGHTS:

- #1 in Heart & Heart Surgery by US News & World Report for the second subsequent year
- First operation to correct a congenital heart defect was performed in 1938 by Children's surgeon Robert Gross, MD
- 28-bed inpatient cardiac unit
- 24-bed cardiac medical/surgical intensive care unit treats more than 1,400 patients each year
- Four state-of-the-art cardiac labs which perform 1,600 catheterizations per year
- Three operating rooms specifically for cardiac operations
- 23,000 outpatient visits\*
- 21,000 echocardiograms per year
- 1,750 fetal ECHOs per year
- 1,343 surgical procedures (830 open heart, 513 closed heart - excludes premature PDAs)\*
- 1,607 Cardiology discharges with a 2.84 case mix index of 7.56
- 1,200 cardiac MRIs\*
  
- 72 cardiologists
- 42 cardiology fellows
- Five cardiac surgeons
  
- Nine cardiac anesthesiologists

\*FY 2009

## CARDIAC SURGERY

### **CLINICAL PROGRAMS:**

#### **Cardiac Neuro-developmental Program (CNP)**

The first of its kind established in the country, this program includes developmental specialists, psychiatrists, and clinicians. This program is designed to systematically evaluate and support at risk children with congenital heart disease.

617-355-3401 / [childrenshospital.org/cnp](http://childrenshospital.org/cnp)

#### **Cardiovascular Program**

Performing more than 3,000 surgeries and catheterizations each year, the Cardiovascular Program is the largest pediatric cardiovascular service in the United States.

617-355-HART (4278) / [childrenshospital.org/heart](http://childrenshospital.org/heart)

#### **Congenital Heart Valve Center**

Rehabilitates/repairs congenital valve anomalies. The center's goal is to create a broad framework to advance knowledge and management for all forms of atrio-ventricular and semi-lunar heart valve disease.

617-355-5637 / [childrenshospital.org/heartvalves](http://childrenshospital.org/heartvalves)

## CARDIAC SURGERY

### **Fetal Interventional Cardiology Program**

Diagnoses and treats congenital heart defects *in utero*. Since 2001 when Children's doctors completed the first successful fetal heart surgery in United States history, they have performed more than 125 procedures.

617-355-1499 / [childrenshospital.org/fetalheart](http://childrenshospital.org/fetalheart)

### **Heart Transplant Program**

Evaluates children who are potential candidates for transplantation and manages the care of those who have received transplanted hearts. In 2009, the program performed 10 donor heart transplants and implanted 6 Berlin Hearts (4 single ventricle with ECMO and 2 bi-ventricle with ECMO).

617-355-6329 / [childrenshospital.org/hearttx](http://childrenshospital.org/hearttx)

### **Lung Transplant Program**

Evaluates and cares for children who are candidates for lung transplantation or who have received transplanted lungs and conducts intensive research on cystic fibrosis and immunology. Since the program's inception in 1990, 75 bilateral, single, and heart-lung transplants have been performed, making it one of the busiest pediatric lung transplantation programs in the country.

617-355-6681 / [childrenshospital.org/lungtx](http://childrenshospital.org/lungtx)

### **Neonatal Cardiac Disease**

Group of multidisciplinary specialists that focus on the diagnosis and management of surgical congenital heart disease in the newborn. Approximately 150 neonatal cases are performed yearly from patients across the country, as well as international referrals.

617-355-1914

## CARDIAC SURGERY

### **del Nido, Pedro J., MD**

*Chairman, Department of Cardiac Surgery  
Senior Associate in Cardiac Surgery  
William E. Ladd Professor of Child Surgery, Harvard  
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**NPI:** 1134230998

**Board Certifications:** Surgery, Thoracic Surgery

**Specialties:** aortic valve repair; cardiovascular surgery; minimally invasive surgery (PDA + vasc ring); pediatric cardiovascular surgery; robotic surgery

### **Baird, Christopher W., MD**

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Assistant in Cardiac Surgery  
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**Specialties:** aortic valve repair; heart transplantation; mitral valve repair; neonatal cardiac surgery; pulmonary valve repair; tricuspid valve repair

### **Emani, Sitaram, MD**

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**Specialties:** cardiac intensive care; cardiovascular surgery; transplantation

### **Fynn-Thompson, Francis, MD**

*Surgical Director, Heart Transplant Program  
Surgical Director, Lung Transplant Program  
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**NPI:** 1629189485

**Board Certifications:** Surgery, Thoracic Surgery

**Specialties:** arrhythmia surgery; cardiovascular surgery; heart/lung transplantation; minimally invasive surgery; ventricular assist devices

### **Mayer, John E., Jr., MD**

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**Specialties:** cardiac transplantation; cardiovascular surgery; pediatric cardiovascular surgery

### **Nathan, Meena, MD, FRCS**

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**Board Certifications:** Surgery, Thoracic Surgery

**Specialties:** cardiovascular surgery; pediatric cardiovascular surgery

### **Pigula, Frank, MD**

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**NPI:** 1821103888

**Board Certifications:** Thoracic Surgery

**Specialties:** cardiovascular surgery; pediatric cardiovascular surgery