

# Pediatric Specialist Guide

*A referral guide for health care providers*



James Kasser, MD



Children's Hospital Boston

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CHILDRENSHOSPITAL.ORG

## CARDIAC SURGERY

Children's Hospital Boston's Department of Cardiac Surgery provides surgical care for infants, children and adults with congenital heart anomalies and some acquired conditions of the heart. Since 1938, when Dr. Robert Gross pioneered congenital heart surgery at Children's, this department has developed into the largest of its kind in the country, dealing with the entire range of simple to ultra-complex congenital heart disease. In 2008, the Department of Pediatric Cardiac Surgery performed 1,262 cases, including 766 open heart heart surgeries and 496 closed cases, with extraordinary success rates.

Children's has integrated specialized services for infants, children, adolescents and adults with complex cardiovascular conditions. Through the Cardiovascular Program, Children's cardiologists, cardiovascular surgeons, cardiac anesthesiologists and cardiac nurses work closely together to provide interdisciplinary care for a wide variety of complex cardiovascular conditions. By combining and coordinating the expertise of many specialists, each child's individual needs for medical and emotional care and each family's need for information and support can be met.

The department has expertise in the following areas:

- aortic and mitral valve repair
- **aortic stenosis and regurgitation**
- atrial septal defect\*
- atrioventricular canal 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
- surgery for arrhythmias
- tetralogy of Fallot with or without pulmonary atresia
- total 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.*

### CLINICAL PROGRAMS:

#### Cardiovascular Program

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

Scheduling: 617-355-7932

#### Congenital Heart Valve Center

Rehabilitates/repairs congenital valve anomalies. The program'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.

Scheduling: 617-355-1914

## 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 111 procedures.

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

### **Heart Failure/ Heart Transplant Program**

Cares for patients with end-stage heart failure, evaluates potential candidates for transplantation and manages the care of those who have received transplanted hearts. In 2008, 18 heart transplants were performed. Since its inception in 1986, the service has performed more than 200 heart transplants, making it one of the largest pediatric heart transplant programs in the country. The program supports patients with multiple mechanical assist device options, including the Berlin Heart.

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

### **Lung Transplant Program**

Provides transplantation and comprehensive care for pulmonary hypertension, pulmonary vein stenosis and other end-stage cardiovascular and lung diseases. Since the programs inception in 1990, more than 60 bilateral, single, and heart-lung transplants have been performed, making it one of the busiest pediatric lung transplantation programs in the country.

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

Childrens Cardiac Surgery services are located at our Boston campus on the second floors of the Bader and Farley Buildings.

COMMUNITY	LOCATION	SCHEDULING
Boston	Children's Hospital Boston 300 Longwood Avenue, Bader-2 and Farley-2	617-355-HART (4278) 1-888-334-HART

## CARDIAC SURGERY

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

*Chairman, Department of Cardiac Surgery  
Senior Associate in Cardiac Surgery  
William E. Ladd Professor of Child Surgery,  
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**Board Certifications:** Surgery, Thoracic Surgery

**Specialties:** aortic and mitral valve reconstruction; cardiovascular surgery; minimally invasive surgery (PDA + vasc ring); ring); robotic surgery

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

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Instructor in Surgery, Harvard Medical School*

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**Board Certifications:** Surgery, Thoracic Surgery

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

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

*Assistant in Cardiac Surgery  
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**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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Professor of Surgery, Harvard Medical School*

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**Board Certifications:** Thoracic Surgery

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

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

*Senior Associate in Cardiac Surgery  
Associate in Cardiac Surgery  
Associate Professor of Surgery, Harvard Medical School*

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**Board Certifications:** Thoracic Surgery

**Specialty:** cardiovascular surgery