



Pediatric Cardiology

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Pediatric Cardiovascular Surgery

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Information and Referrals

Mayo Clinic Pediatric Cardiology: 507-284-9969

Mayo Clinic Pediatric Cardiovascular Surgery: 507-255-1882

24/7 Urgent/Emergency Transfers: 507-255-2910

<https://www.mayoclinic.org/departments-centers/childrens-center/pediatric-cardiology/overview>



PEDIATRIC HEART PROGRAM



Specialized care and treatment for children with heart disease.

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Mayo Clinic's Pediatric Heart Program has an excellent reputation for managing complex heart disease cases. For more than 60 years, the program's renowned team of experts has been providing comprehensive clinical services to diagnose and treat the most difficult congenital and acquired heart disease cases in infants, children and young adults.

Mayo Clinic's tradition of teamwork enables patients to benefit from the entire care team, including the referring physician, the patient's family, pediatric cardiologists, cardiac surgeons, cardiac nurses, anesthesiologists, respiratory therapists, social workers and child life specialists. This multidisciplinary collaboration ensures the most effective and efficient diagnosis and treatments.

Mayo Clinic consistently ranks among the **Best Children's Hospitals for Heart & Heart Surgery** by U.S. News & World Report.



Services

- **Echocardiography**
 - Fetal, infants and adult
- **Electrophysiology**
 - Medical and interventional management
 - Comprehensive EP cath lab
- **Cardiac Catheterization**
 - Device closure of defects
 - Complex angioplasty and stenting
 - Hybrid procedures
 - Percutaneous valves
- **Cardiac Surgery**
 - Complex single ventricular reconstruction
 - Neonatal and infant
 - Minimally invasive, robotic-assisted cardiac surgeries
 - Hybrid procedures
 - Cardiac transplantation and ventricular assist devices

Special Expertise

- **Ebstein Anomaly** – Surgical repair of this unique heart abnormality was pioneered at Mayo Clinic and continues to garner worldwide attention.
- **Hypertrophic Cardiomyopathy** – Mayo Clinic cardiologists and surgeons diagnose and treat more patients with hypertrophic cardiomyopathy than any other medical center in the United States.
- **Interventional Cardiac Catheterization** – Mayo Clinic cardiologists have performed thousands of cardiac procedures, ranging from device closure of atrial or ventricular septal defects to stenting lung arteries and other vessels.
- **Arrhythmia and Device Therapy for Children and Adults with Congenital Heart Disease** – Our nationally recognized electrophysiology team offers comprehensive heart rhythm services for children and adults with congenital heart disease, including progressive ablation and device therapies.
- **Long QT Syndrome and Other Genetic Heart Rhythm Disorders** – Children with these disorders benefit from the international expertise of the Genetic Heart Rhythm Clinic, whose experts helped design the genetic tests to identify these disorders.



Jonathan Johnson, M.D., (Pediatric Cardiology Chair), Paul Friedman, M.D., (Cardiology Chair)
Joseph Dearani, M.D., (Cardiovascular Surgery Chair)

- **Marfan Syndrome and Aortic Clinic** – Mayo Clinic's Marfan Syndrome and Aortic Clinic has an extensive history in the care of both children and adults, including medical and surgical interventions. Mayo Clinic continues to excel as a research leader in this area.
- **Minimally Invasive, Robotic-assisted Cardiac Surgery** – Mayo Clinic surgeons perform hundreds of minimally invasive operations each year, and strive to use small incisions and minimally invasive techniques whenever possible.
- **Neonatal** – Mayo Clinic's neonatal cardiac surgical practice continues to grow and has a history of excellent surgical outcomes in the care of newborns with hypoplastic left heart syndrome, transposition of the great arteries and complex single ventricle anomalies.
- **Stem Cell Program** – The Regenerative Medicine Program launched the first FDA trial of stem cell implant in infants with congenital heart disease in the United States, and has since opened new trials specifically aimed at improving heart function in patients with congenital heart disease.
- **Transplant and Heart Failure** – The Transplant and Heart Failure Programs have continued to grow, taking on very complex patients while having some of the best outcomes in the country. A full range of services are offered including Ventricular Assist Devices, Total Artificial Heart, ECMO rehabilitation, and cardiac and multiple organ transplantation. Cutting edge therapies including regenerative medicine and other clinical pharmaceutical trials are offered.