



Texas Children's Heart Center®

For nearly 70 years, Texas Children's Heart Center has cared for pediatric patients with complex heart conditions. The Heart Center treats more than 30,000 patients and performs more than 1,000 surgeries, with outcomes among the best in the nation. The Heart Center physicians are world-renowned leaders in pediatric cardiology, congenital heart surgery, cardiovascular anesthesiology, cardiac intensive care and adult congenital heart disease.

The Heart Center established many procedures and therapies, which are now considered standard procedures and therapies related to the diagnosis and treatment of children and adults with cardiac problems. Our team cares for patients with the most complex congenital heart conditions. Texas Children's Hospital was also named the first Pediatric Heart Failure Institute in Texas by The Healthcare Accreditation Colloquium, a distinction only shared with four other pediatric programs in the country.

The combination of the many types of pediatric heart specialists in the Heart Center ensures every patient has access to expert diagnosis and treatment.



By the Numbers

More than

30,000 patients annually

1,500 cardiac catheterizations

1,000 surgeries

2,200 fetal echocardiograms

Over

770 Fontan operations

60+ Single ventricle transplants

More than

400 heart transplants

Mortality Rate

3% or less over the last 4 years

1st Pediatric Heart Failure Institute
in Texas, a distinction provided by
The Healthcare Accreditation Colloquium

Our Approach

The physicians and surgeons of Texas Children's Heart Center are also academic faculty at Baylor College of Medicine, Texas Children's Hospitals academic affiliate. These experts are world-renowned leaders in pediatric cardiology, adult congenital heart disease, congenital heart surgery, cardiovascular anesthesiology, and cardiac intensive care. Over the years, Texas Children's heart teams have pioneered many procedures and therapies that are considered to be the gold standard today.

Through our Adult Congenital Heart Program, we are revolutionizing the way we care for adults with congenital heart disease as they progress through every stage of life. In 2020 alone, the Adult Congenital Heart team treated 2,100 patients and performed 102 surgeries and have treated over 12,000 adult patients to-date. In November 2020, we opened a state-of-the-art space specifically tailored to adults with congenital heart disease on the 24th floor of the Lester and Sue Smith Legacy Tower. It includes integrated inpatient and outpatient space and a dedicated rehabilitation gym that was designed for and by adults with congenital heart disease.



Texas Children's Heart Center serves as a model of collaborative, multidisciplinary specialty care for pediatric heart patients and adults with congenital heart disease.

Our Programs and Services

- Adult Congenital Heart Disease
- Cardiac Arrhythmia
- Cardiac Developmental Outcomes
- Cardiovascular Genetic Testing and Research
- Cardiac Imaging
- Cardiac Intensive Care
- Cardiomyopathies
- Congenital Heart Surgery
- Coronary Anomalies
- Echocardiography
- Electrophysiology and pacemaker follow-up
- Fetal Echocardiography and Intervention
- Fontan Wellness Program (Fontan-GO!)
- Heart and Lung Transplantation
- Maternal Fetal Heart Clinic
- Minimally invasive surgical procedures
- Pediatric and Adult Cardiac Catheterization
- Pediatric and Adult Cardiovascular Anesthesiology
- Syncope Clinic
- Ventricular Assist Devices (VADs)

Conditions Treated at the Heart Center

- Absent Pulmonary Valve Syndrome
- Anomalous Coronary Artery
- Anomalous Left Coronary Artery from the Pulmonary Artery
- Aortic Coarctation and Interrupted Aortic Arch
- Aortic Stenosis
- Arrhythmias
- Atrial Septal Defect
- Atrioventricular Canal Defect
- Cardiomyopathy
- Coarctation of the Aorta
- Congenital Aortic Stenosis
- Congenital Coronary Anomalies
- Congenitally Corrected Transposition of the Great Arteries
- Double-Outlet Right Ventricle
- Ebstein Anomaly
- Eisenmenger Syndrome
- Endocarditis
- Heart Failure
- Heart Murmurs
- Hypoplastic Left Heart Syndrome

- Infective Endocarditis
- Inherited Arrhythmia Syndromes
- Kawasaki Disease
- Long QT Syndrome
- Multilevel Left-Heart Hypoplasia
- Myocarditis and Cardiomyopathy
- Partial Anomalous Pulmonary Venous Connection/Drainage
- Partial Anomalous Pulmonary Venous Return
- Patent Ductus Arteriosus
- Pericarditis
- Pulmonary Atresia, Ventricular Septal Defect, Major Aortopulmonary Collaterals
- Pregnancy-related heart conditions
- Pulmonary Vein Stenosis
- Rheumatic Heart Disease
- Right-Ventricular Outflow Tract Obstruction
- Sub aortic Stenosis
- Supravalvar Aortic Stenosis
- Syncope
- Tetralogy of Fallot
- Total Anomalous Pulmonary Venous Return
- Total Anomalous Pulmonary Venous Connection/Drainage
- Transposition of Great Arteries
- Tricuspid Atresia
- Truncus Arteriosus and Aortopulmonary Window
- Vascular Rings
- Ventricular Septal Defect

Special Considerations

- Aortopulmonary Shunts and Ductal Stents
- Connective-Tissue Disorders
- Extracorporeal Membrane Oxygenation
- Genetic Testing
- Heart Transplantation
- Heterotaxy Syndrome
- Pacemakers and Defibrillators
- Pulmonary Valve Replacement
- Simulation in the Heart Center
- Single-Ventricle Palliation
- The Adult Fontan
- Transition Medicine in Pediatric Cardiology
- Ventricular Assist Devices (VAD)

Safety & Outcomes

The Safety & Outcomes team at Texas Children's Hospital measures important clinical outcomes and the impact of care on the quality of life and functional status of our patients over time. Our team's goal is to deliver the highest quality health care to each patient.

By tracking outcomes, we learn about what happens to our patients, and we also learn about our performance as a health care delivery organization, as we constantly strive to improve.

Our team includes dedicated outcomes nurses in several clinical specialties, computer programmers, data architects and specialists and a statistician who works closely with clinical and administrative teams to measure, improve and share our outcomes.

Our goals include:

- Tracking and improving our clinical outcomes.
- Understanding the impact of those outcomes on the lives of our patients and families over time.
- Making our outcomes data available in a form accessible by the general public.
- Partnering with patients and families in understanding outcomes data.
- Helping patients and families know what questions to ask when seeking medical treatment.

Please visit [texaschildrens.org/outcomes](https://www.texaschildrens.org/outcomes) for more information.



Meet Our Team

The Heart Center has a multidisciplinary team of physicians who provide the high-quality care for patients with the most complex congenital heart conditions. Our team includes a staff of surgeons, cardiologists, cardiac intensivists and cardiovascular anesthesiologists, all leaders in the field of pediatric cardiology.

Congenital Heart Surgery

Christopher A. Caldarone, MD, Chief
Jeffrey S. Heinle, MD, Associate Chief
Iki Adachi, MD
Neil Cambroner, MD
Edward John Hickey, MD
Michiaki Imamura, MD
Emmett Dean McKenzie, MD
Meghan Anderson, APRN, NP
Ashley Gilbert, PA-C
Sally M. Mutch, RN, CPNP-AC
Sudha V. Nair, APRN, CPNP-AC, CCRN, CPN
Deanna Razo, APRN, FNP-C
William Tanner, PA-C
Mary Tran, PA-C

Pediatric Cardiology

Daniel J. Penny, MD, PhD, Chief
Hugh D. Allen, MD
Deidra Ansah, MD
Tam T. Doan, MD, MS, RDCS
William Buck Kyle, MD
Silvana M. Molossi, MD
Douglas S. Moodie, MD
Antonio Reddick Mott, MD
Alan F. Riley, MD
Amy E. Sanyahumbi, MD
Thomas A. Vargo, MD
Steven B. Wolfe, MD
Justin P. V. Zachariah, MD, MPH
Tasha Bryant, APRN, FNP-C, CPNP-AC
Janique Forde, APRN, CPNP-AC
Angela Gooden, APRN, CPNP-AC/PC
Maria Happe, APRN, CPNP-AC
Stephanie Hill, APRN, CPNP-AC
Mary Hoang, APRN, CPNP-AC/PC
Benjamin Jacob, PA-C
Amanda J. Willis, DNP, CPNP-PC/AC
Julie Kuzin, APRN, CPNP-AC/PC
Renna Lange, APRN, CPNP AC/PC
Richard O'Brien, PA-C
Tammy Pryon, APRN, CPNP-PC
Priscila Phillips Reid, APRN, FNP-C, CPNP-AC
Bridgette Robinson, APRN, CPNP-AC

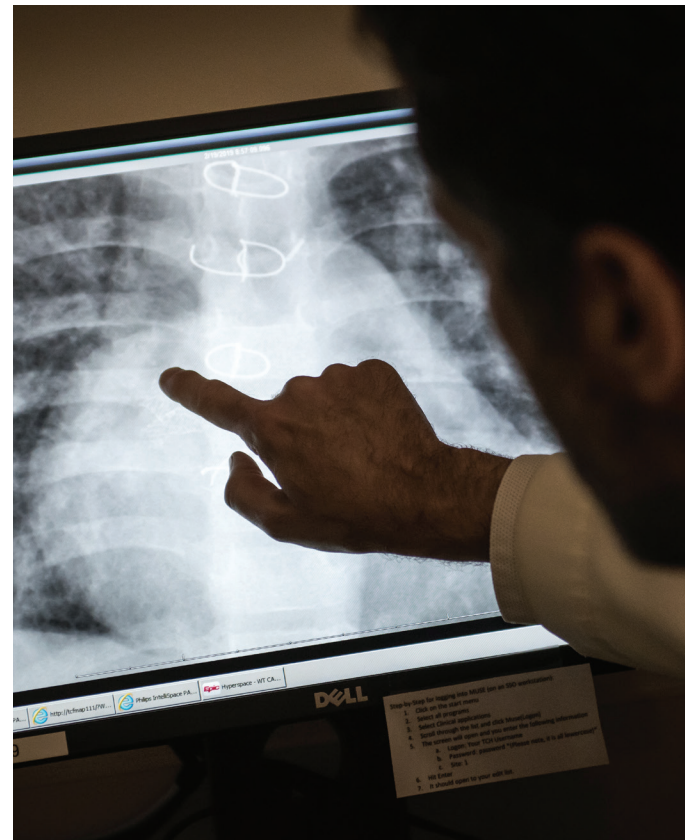
Andrea Sawyer-Gray, APRN, CNP-AC
Joannie Stoker, APRN, CPNP
Emily Viesca, APRN, CPNP-AC
Jaimee Westfall, APRN, CPNP-PC/AC

Interventional Cardiology

Athar M. Qureshi, MD, Medical Director of the Cath Lab
Manish Bansal, MD
Asra Khan, MD
Melissa Webb, MD
Rachel Arnold, PA-C
Cherryl Mendoza, APRN, FNP-C

Cardiac Electrophysiology & Pacing

Jeffrey J. Kim, MD, Director of Arrhythmia and Pacing
(Electrophysiology) Services
Taylor S. Howard, MD
Wilson W. Lam, MD
Christina Y. Miyake, MD, MS
Tam Dan "Tina" Pham, MD
Santiago O. Valdes, MD
Michele Krenek, RN, FNP-C



Pediatric and Congenital Transthoracic and Transesophageal Echocardiography

Carolyn A. Altman, MD
Nancy A. Ayres, MD
Judith A. Becker, MD
Tam T. Doan, MD, MS, RDCS
Joshua Aaron Kailin, MD
Regina Lantin-Hermoso, MD
Emily J. Lawrence, DO
Christian Lilje, MD
Keila N. Lopez, MD, MPH
Wanda C. Miller-Hance, MD
Shaine A. Morris, MD, MPH
Anitha Parthiban, MD, FASE, FACC, FAAP
Aura A. Sanchez Mejia, MD, FAAP
Alexia B. Santos, MD
Tobias Schlingmann, MD, PhD
Sara Kristen Sexson Tejtelt, MD, PhD, MPH
Thomas A. Vargo, MD
Betul Yilmaz Furtun, MD

Fetal Cardiology

Carolyn A. Altman, MD
Nancy A. Ayres, MD
Judith A. Becker, MD
Tam T. Doan, MD, MS, RDCS
Joshua Aaron Kailin, MD



Regina Lantin-Hermoso, MD
Emily J. Lawrence, DO
Christian Lilje, MD
Keila N. Lopez, MD, MPH
Wanda C. Miller-Hance, MD
Shaine A. Morris, MD, MPH
Anitha Parthiban, MD, FASE, FACC, FAAP
Aura A. Sanchez Mejia, MD, FAAP
Alexia B. Santos, MD
Tobias Schlingmann, MD, PhD
Sara Kristen Sexson Tejtelt, MD, PhD, MPH
Thomas A. Vargo, MD
Betul Yilmaz Furtun, MD

Cardiac Magnetic Resonance Imaging

Tam T. Doan, MD, MS, RDCS
Prakash M. Masand, MD
Shaine A. Morris, MD, MPH
Tobias Schlingmann, MD, PhD

Cardiac Intensivists

Lara S. Shekerdemian, MD, Section Head
Sebastian C. Tume, MD, Medical Director
Barbara-Jo Achuff, MD, FAAP
Natasha S. Afonso, MD, MPH
Dalia A. Bashir, MD
Patricia Bastero, MD
Aarti Bavare, MD
Priya Bhat, MD, MS
Nirica Borges, MD, FAAP, CMQ
Ronald A. Bronicki, MD
Mubbasheer Ahmed, MD
Heather A. Dickerson, MD
Ronald Blaine Easley, MD
Justin Elhoff, MD, MSCR
Parag N. Jain, MD
Erin Kritz, DO
Javier J. Lasa, MD
Kriti Puri, MBBS, FAAP, FACC
Ashraf M. Resheidat, MD
Dantin Jeramy Roddy, MD
Fabio Savorgnan, MD
Saul Flores, MD
Rocky Tsang, MD
Eric A. Williams, MD
Jamie Heekin, PA-C
Jennifer Alden Mauney, APRN, PNCB
Claire (Petersen) Rizk, APRN, CPNP-AC/PC
Sarah Zachary, PA-C



Cardiovascular Anesthesia

Emad B. Mossad, MD, Director
Dean B. Andropoulos, MD, MHCM
Andres Bacigalupo Landa, MD
Lisa A. Caplan, MD
Ronald Blaine Easley, MD
Stuart R. Hall, MD
Wanda C. Miller-Hance, MD
Pablo Motta, MD
Ashraf M. Resheidat, MD
Premal M. Trivedi, MD
David Freed Vener, MD

Heart Failure & Transplant

William J. Dreyer, MD, Medical Director
Jeffrey S. Heinle, MD, Surgical Director
Iki Adachi, MD
Christopher A. Caldarone, MD
Susan W. Denfield, MD
Michiaki Imamura, MD
Emmett Dean McKenzie, MD
Joseph Spinner, MD
Hari Priya Tunuguntla, MD, MPH
Lexi Barret, RN, CPNP-AC

Adult Congenital Heart Disease Program

Peter R. Ermis, MD, Medical Director
Edward John Hickey, MD, Surgical Director
Wilson W. Lam, MD
Douglas S. Moodie, MD
Angeline Opina Gonzalez, MD

Coronary Anomalies Program

Silvana M. Molossi, MD, Medical Director
Tam T. Doan, MD, MS, RDCS
Prakash M. Masand, MD
Sara Kristen Sexson Tejtrel, MD, PhD, MPH
Dana Reaves-O'Neal, APRN, CPNP-PC/AC
Carmen Watrin, RN, MSN

Cardiovascular Genetics

Shaine A. Morris, MD, MPH, Medical Director
Jeffrey J. Kim, MD
Christina Y. Miyake, MD, MS
Shagun Sachdeva, MD
Justin Weigand, MD

Prevention Cardiology

Carolyn A. Altman, MD
Sara Kristen Sexson Tejtrel, MD, PhD, MPH
Douglas S. Moodie, MD
Justin P. V. Zachariah, MD, MPH



How to Refer a Patient

To refer a patient or receive a consultation please reach out to us in any of the following ways:

Online

Please visit [TexasChildrens.org/Refer-a-Patient](https://www.texaschildrens.org/Refer-a-Patient) and select Cardiology to fill out our online referral form to the best of your ability.

By Phone

Refer a Patient: **832-TCH-CARE** (832-824-2273)

Toll-Free: **877-855-4857**

By Email

Feel free to email us with any nonurgent questions.
providerconnect@texaschildrens.org



Texas Children's Hospital
Texas Children's Heart Center®

Located in the Legacy Tower,
Floors 16-24
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Houston, TX 77030

[texaschildrens.org/heart](https://www.texaschildrens.org/heart)



Ranked #1 in pediatric cardiology and heart surgery for the past five years by *U.S. News & World Report*.