Cardiovascular Medicine
Pediatric Cardiology
Cardiovascular Surgery

STAFF & SERVICES DIRECTORY
CIRCULATORY FAILURE DIVISION
Margaret M. Redfield MD, Chair

Cardiac Amyloid Clinic
Evaluates patients with all types of proven or suspected cardiac amyloidosis, most commonly AL, wild-type TTR (senile systemic amyloidosis) or familial TTR amyloidosis.

Martha Grogan MD, Director
Omar F. Abou Ezzeddine MD MS
Barry A. Boilson MD
Daniel D. Borgeson MD
Alfredo L. Clavell MD
Barry L. Karon MD
Kyle W. Klairich MD
Grace Lin MD
Wayne L. Miller MD PhD
Margaret M. Redfield MD
Richard J. Rodeheffer MD
Janell Grazzini Frantz APRN MSN CNP

Heart Failure Clinic
Specializes in diagnosis and chronic management of heart failure patients with reduced or preserved ejection fraction, eligibility for cardiac replacement or mechanical circulatory support, or novel therapeutics for heart failure.

Grace Lin MD, Director
Omar F. Abou Ezzeddine MD MS
Barry A. Boilson MD
Daniel D. Borgeson MD
Barry A. Borlaug MD
Horng H. Chen MD
Alfredo L. Clavell MD
Shannon M. Dunlay MD
Brooks S. Edwards MD
Robert P. Frantz MD
Sudhir S. Kushwaha MD
Naveen L. Pereira MD
Richard J. Rodeheffer MD
John A. Schirger MD
Grace Lin MD
Wayne L. Miller MD PhD
Margaret M. Redfield MD
Richard J. Rodeheffer MD
Janell Grazzini Frantz APRN MSN CNP

Left Ventricular Assist Device Clinic
Assesses and evaluates patients for mechanical circulatory support, either as bridge to transplant or destination therapy, with subsequent follow-up of the patient post implantation.

Naveen L. Pereira MD
Margaret M. Redfield MD
Richard J. Rodeheffer MD
John A. Schirger MD
Farris K. Timimi MD
Janell Grazzini Frantz APRN MSN CNP
Sara B. Severson APRN MS CNP
Jean A. Wagner APRN CNP

Heart Transplant Clinic
Assesses patients and offers specialized care post-transplantation.

Alfredo L. Clavell MD, Director
Atta Behfar MD PhD
Barry A. Boilson MD
Shannon M. Dunlay MD
Brooks S. Edwards MD
Robert P. Frantz MD
Sudhir S. Kushwaha MD
Naveen L. Pereira MD
Richard J. Rodeheffer MD
John A. Schirger MD
Jean A. Wagner APRN CNP

Pulmonary Hypertension Clinic
Provides skilled diagnosis, individual treatment plans and thorough follow-up care in patients with pulmonary arterial hypertension.

Robert P. Frantz MD, Director

Cardiology
Garvan C. Kane MD PhD
Sudhir S. Kushwaha MD
Robert B. McCully MD
Joseph G. Murphy MD

Pediatrics
Nathaniel W. Taggart MD
Charlotte S. Van Dorn MD

Pulmonology
Hector R. Cajigas MD
Hilary M. DuBrock MD
Michael J. Krowka MD

Unexplained Dyspnea Clinic
Evaluates patients with not-otherwise-specified shortness of breath, edema, right heart failure, exercise intolerance, or deconditioning.

Robert P. Frantz MD, Director
Daniel D. Borgeson MD
Barry A. Borlaug MD
Garvan C. Kane MD PhD
Barry L. Karon MD
Michael J. Krowka MD
Sudhir S. Kushwaha MD
Grace Lin MD
Wayne L. Miller MD PhD

ROCHESTER, MINNESOTA
Paul A. Friedman MD, Chair, Department of Cardiovascular Medicine
Joseph A. Dearani MD, Chair, Department of Cardiovascular Surgery
Jonathan N. Johnson MD, Chair, Division of Pediatric Cardiology

Mayo Clinic in Minnesota welcomes inquiries and referrals, and a request to a specific physician is not required.

Referrals & Consultations in Minnesota
Cardiovascular Medicine: 855-MAYOHRT Fax: 507-266-5278
Cardiovascular Surgery: 866-827-8810 Fax: 507-255-7378
Pediatric Cardiology: 507-284-9969 Fax: 507-538-5817

HEART RHYTHM DIVISION
Thomas Munger MD, Chair

Heart Rhythm Clinic
Specializes in treatment of arrhythmias and congenital heart disease, new generation drugs and devices for prevention of stroke, including intracardiac and epicardial left atrial appendage occlusion, and remote monitoring of arrhythmias.

Pulmonary Hypertension Clinic
Provides skilled diagnosis, individual treatment plans and thorough follow-up care in patients with pulmonary arterial hypertension.

Robert P. Frantz MD, Director

Cardiology
Garvan C. Kane MD PhD
Sudhir S. Kushwaha MD
Robert B. McCully MD
Joseph G. Murphy MD

Pediatrics
Nathaniel W. Taggart MD
Charlotte S. Van Dorn MD

Pulmonology
Hector R. Cajigas MD
Hilary M. DuBrock MD
Michael J. Krowka MD

Unexplained Dyspnea Clinic
Evaluates patients with not-otherwise-specified shortness of breath, edema, right heart failure, exercise intolerance, or deconditioning.

Robert P. Frantz MD, Director
Daniel D. Borgeson MD
Barry A. Borlaug MD
Garvan C. Kane MD PhD
Barry L. Karon MD
Michael J. Krowka MD
Sudhir S. Kushwaha MD
Grace Lin MD
Wayne L. Miller MD PhD
Margaret A. Lloyd MD MBA, Director
Samuel J. Asirvatham MD
Barry J. Boilson MD
David J. Bradley MD PhD
Yong-Mei Cha MD
Freddy Del-Carpio Munoz, MD*
Abhishek J. Deshmukh MBBS
Raul E. Espinosa MD
Paul A. Friedman MD
Bernard J. Gersh MB CHB DPhil
Suraj Kapa MD
Ammar Killu MBBS
Hon-Chi Lee MD
Malini Madhavan MBBS
Siva K. Mulpuru MD
Robert F. Rea MD
Lisa M. Belch APRN MSN CNP
Sarah M. Benak MSN RN CNP
Randall A. Hirn PA-C
Jill M. Olmscheid APRN CNP
Amy M. Stier APRN MSN CNP

Long QT Syndrome/Genetic Heart Disorders Clinic
Offers diagnosis and treatment of Long QT Syndrome and other genetic heart disorders, as well as genetic testing, education and counseling for patients and family members.
Michael J. Ackerman MD PhD, Director

Electrophysiology Laboratory
Samuel J. Asirvatham MD, Director
David J. Bradley MD PhD
Yong-Mei Cha MD
Freddy Del-Carpio Munoz MD*
Abhishek J. Deshmukh MBBS
Paul A. Friedman MD
Suraj Kapa MD
Ammar Killu MBBS
Malini Madhavan MBBS
Siva K. Mulpuru MD
Thomas M. Munger, MD
Peter A. Noseworthy MD
Michael J. Osborn MD
Douglas L. Packer MD
Robert F. Rea MD
Lisa M. Belch APRN MSN CNP
Sarah M. Benak MSN RN CNP
Randall A. Hirn PA-C
Jill M. Olmscheid APRN CNP
Amy M. Stier APRN MSN CNP

Implantable Device Laboratory
Yong-Mei Cha MD, Director
Samuel J. Asirvatham MD
David J. Bradley MD PhD
Abhishek J. Deshmukh MBBS
Paul A. Friedman MD
Hon-Chi Lee MD
Malini Madhavan MBBS
Siva K. Mulpuru MD
Robert F. Rea MD

Pediatric Electrophysiology Laboratory/Device Implant Laboratory
Bryan C. Cannon MD, Director
Philip L. Wackel MD

Heart Rhythm and Physiological Monitoring Laboratory
Peter A. Noseworthy MD, Director

Adult
Crystal R. Bonnichsen MD
Abhishek J. Deshmukh MBBS
Titus C. Evans Jr MD
Joerg Herrmann MD
Allan S. Jaffe MD
Grace Lin MD
Wayne L. Miller MD PhD
Siva K. Mulpuru MD
Michael J. Osborn MD
Robert F. Rea MD
Farris K. Timimi MD
R. Scott Wright MD

Pediatric
Bryan C. Cannon MD
Philip L. Wackel MD

ISCHEMIC HEART DISEASE AND CRITICAL CARE DIVISION
J. Wells Askew MD, Chair

Chest Pain and Coronary Physiology Clinic
Treats patients with challenging chest pain syndromes, including undiagnosed, complex, or unresolved conditions, including patients with angina who cannot be treated with standard approaches.
Amir Lerman MD, Director
John P. Bois MD, Co-director
J. Wells Askew MD
Gregory W. Barsness MD
Patricia J. M. Best MD
Panithaya Chareonthaitawee MD
Mackram F. Eleid MD
Rajiv Guliati MD PhD
David R. Holmes Jr MD
Hayan Jouni MD
Kyle W. Klairich MD
Robert B. McCully MD
Todd D. Miller MD
Joseph G. Murphy MD
Abhiram Prasad MD
Guy S. Reeder MD
Martin G. Rodriguez-Porcel MD
Gurpreet S. Sandhu MD PhD
Mandeep Singh MD
R. Thomas Tilbury MD

Coronary Artery Disease Clinic
Provides rapid access for patients needing cardiac catheterization and improves continuity of care.
John F. Bresnahan MD, Director
Gregory W. Barsness MD
Atta Behfar MD PhD
Malcolm R. Bell MD
Patricia J. M. Best MD
Barry A. Borlaug MD
Robert P. Frantz MD
Rajiv Guliati MD PhD
Joerg Herrmann MD
David R. Holmes Jr MD
Amir Lerman MD
Abhiram Prasad MD
Guy S. Reeder MD
Gurpreet S. Sandhu MD PhD
Mandeep Singh MD MPH
R. Thomas Tilbury MD
William A. Schnell Jr PA-C

DR. EARL WOOD CARDIAC CATHETERIZATION LABORATORY
Gurpreet S. Sandhu MD PhD, Director

Interventional and Invasive Cardiology
Gregory W. Barsness MD
Atta Behfar MD PhD
Malcolm R. Bell MD
Patricia J. M. Best MD
Barry A. Borlaug MD
Charles R. Cagin DO*
Mackram F. Eleid MD
Kenneth A. Fetterly PhD
Robert P. Frantz MD
Rajiv Guliati MD PhD
Joerg Herrmann MD
David R. Holmes Jr MD
Amir Lerman MD
Rick A. Nishimura MD
D. Fearghas O’Cochlain MD*
Krishna M. Pamulapati MD*
Abhiram Prasad MD
Guy S. Reeder MD
Charanjit S. Rihal MD MBA
Gurpreet S. Sandhu MD PhD
Mandeep Singh MD MPH
Ripudamanjit Singh MD*
R. Thomas Tilbury MD

Structural Interventional Cardiology
Malcom R. Bell MD
Patricia J. M. Best MD
Mackram F. Eleid MD
Rajiv Guliati MD PhD
David R. Holmes Jr MD
Guy S. Reeder MD

Visit mayoclinic.org/medicalspros for more information | The medical professionals page offers physician-specific information including open clinical trials, upcoming CME’s, and e-newsletters covering the latest in diagnosis and treatments
Invasive Hemodynamics and Physiology
Atta Behfar MD PhD
Barry A. Borlaug MD
Mackram F. Eleid MD
Robert P. Frantz MD
Joerg Herrmann MD
Amir Lerman MD
Rick A. Nishimura MD

Intracoronary Imaging and Physiology
Gregory W. Barsness MD
Malcolm R. Bell MD
Patricia J. M. Best MD
Rajiv Glati MD PhD
Gurpreet S. Sandhu MD MPH
Mandeep Singh MD MPH

Endovascular Interventional Cardiology
Gregory W. Barsness MD
Rajiv Glati MD PhD
David R. Holmes Jr MD

Congenital Interventional Cardiology
Jason H. Anderson MD
Allison K. Cabalka MD
Donald J. Hagler MD
Nathaniel W. Taggart MD

Cardiac Intensive Care Unit
Gregory W. Barsness MD, Director
Nandan S. Anavekar MB BCh
Malcolm R. Bell MD
Courtney E. Bennett DO
Patricia J. M. Best MD
Joerg Herrmann MD
Allan S. Jaffe MD
Jacob C. Jentzer MD
Sunil V. Mankad MD
Joseph G. Murphy MD
R. Thomas Tilbury MD
Brandon M. Wiley MD

PREVENTIVE CARDIOLOGY DIVISION
Francisco Lopez-Jimenez MD, Chair

Cardiovascular Health Clinic
Offers both risk assessment and risk reduction services for patients of all ages at risk for heart disease or those who have already developed heart disease.
Francisco Lopez-Jimenez MD, Director
Thomas G. Allison PhD MPH
Adelaide M. Arruda-Olson MD PhD
Frank V. Brozovich MD PhD

Sports Cardiology Clinic
Specializes in advising high-performance athletes on safe training and exercise programs, and for patients who have cardiac symptoms during exercise or known cardiac diagnosis who wish to safely exercise.

Cardio-Oncology Clinic
Specializes in integrative management for cancer patients with cardiovascular risks or injury.
Joerg Herrmann MD, Director
Amir Lerman MD
Grace Lin MD
Hector R. Villarraga MD

Cardio-Rheumatology Clinic
Addresses the needs of high-risk patients with rheumatic conditions such as lupus and rheumatoid arthritis whom have increased risk of cardiovascular disease and cardiovascular mortality.
Rekha Mankad MD, Director
Patricia J. M. Best MD
Lori A. Blauwet MD
Sharonne N. Hayes MD

Early Atherosclerosis Clinic
Provides comprehensive diagnoses and treatment for patients at risk of early atherosclerosis, asymptomatic patients who have a family history of early atherosclerosis, and for patients with abnormal levels of novel risk factors.
Iftikhar J. Kullo MD, Director
Stephen L. Kopecky MD
Francisco Lopez-Jimenez MD
Robert D. McBane MD
Randal J. Thomas MD

Statin Intolerance Service
Provides expert diagnoses, risk stratification, and treatment of patients with statin-associated side effects.

Women’s Heart Clinic
Offers risk assessment, heart evaluation and comprehensive treatment to meet the unique needs of women at risk for or diagnosed with cardiovascular disease.
Rekha Mankad MD, Director
Patricia J. M. Best MD
Sharonne N. Hayes MD
Birgit Kantor MD
Marysia S. Tweet MD
Kari A. Dessner APRN CNP

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STRUCTURAL HEART DISEASE DIVISION
Rick A. Nishimura MD, Chair

Adult Congenital Heart Disease Clinic
Specializes in diagnosis, treatment, and continuity of care throughout a congenital heart patient’s lifespan, including expert diagnoses and treatment plans, from pregnancy to heart surgery.

Cardiology
Heidi M. Connolly MD, Medical Director
Naser M. Ammash MD
Crystal R. Bonnichsen MD
Frank Cetta MD
Alexander C. Egbe MBBS
Martha Grogan MD
Carole A. Warnes MD
William R. Miranda MD

Cardiovascular Surgery
Joseph A. Dearani MD, Surgical Director
M. Sertac Cicek MD
Prasad Krishnan MD
Alberto Pochettino MD
Hartzell V. Schaff MD

Heart Brain Clinic
Evaluates and manages patients with patent foramen ovale or atrial fibrillation, and who have had a stroke or transient ischemic attack.

Naser M. Ammash MD, Director, Cardiology
Robert D. Brown Jr MD MPH, Director, Neurology

Cardiology
Naser M. Ammash MD
Paul A. Friedman MD
David R. Holmes Jr MD
Thomas M. Munger MD
Abhiram Prasad MD
Guy S. Reeder MD

Neurology
Robert D. Brown Jr MD
Bruce A. Evans MD
Kelly D. Flemming MD
Jimmy R. Fulgham MD
James P. Klaas MD
Jonathan Graff Radford MD
Irene Meissner MD
George W. Petty MD
Alejandro A. Rabinstein MD
Lindsay N. Williams MD

Hypertrophic Cardiomyopathy Clinic
Addresses highly individualized treatment needs, and offers medical management, as well as expert surgical treatment, including septal myectomy, septal ablation, and ICD implantation.

Steve R. Ommen MD, Director

Adult Cardiology
Bernard J. Gersh MB ChB DPhil
Jeffrey B. Geske MD
Kyle W. Klarich MD
Darrell (Brian) B. Newman MD*
Rick A. Nishimura MD

Pediatric Cardiology
Michael J. Ackerman MD PhD
Bryan C. Cannon MD
Frank Cetta MD
David J. Driscoll MD
Ben W. Eidem MD
Jonathan N. Johnson MD
Patrick W. O’Leary MD
Nathaniel W. Taggart MD
Philip L. Wackel MD

Cardiovascular Surgery
Joseph A. Dearani MD
Juan A. Crestanello MD
Hartzell V. Schaff MD

Marfan Syndrome and Thoracic Aorta Clinic
Offers an integrated medical, genetic, and surgical team approach with specialized testing for diagnosis and medical/surgical treatment of Marfan syndrome and associated symptoms.

Juan M. Bowen MD, Medical Director
Alberto Pochettino MD, Surgical Director

Adult Cardiology
Naser M. Ammash MD
Nandan S. Anavekar MB BCh
Crystal R. Bonnichsen MD
Heidi M. Connolly MD
Raul E. Espinosa MD
Iftikhar J. Kullo MD
Andrew G. Moore MD*

Pediatric Cardiology
Jason H. Anderson MD
Allison K. Cabalka MD
Frank Cetta MD
Ben W. Eidem MD
Jonathan N. Johnson MD
Patrick W. O’Leary MD
Nathaniel W. Taggart MD
Charlotte S. Van Dorn MD

Pericardial Disease Clinic
Evaluates and manages treatment for various conditions related to the pericardium, including recurrent pericarditis, pericardial effusion, constrictive pericarditis and asymptomatic pericardial cysts.

Jae K. Oh MD, Medical Director
Kevin L. Greason MD, Surgical Director

Cardiology
Nandan S. Anavekar MB BCh
Barry A. Borlaug MD
Raul E. Espinosa MD
Sharonne N. Hayes MD
Garvan C. Kane MD PhD
Rowens M. Melduni MD
William R. Miranda MD

Cardiovascular Surgery
Arman Arghami MD
Gabor Bagameri MD
M. Sertac Cicek MD
Juan A. Crestanello MD
Richard C. Daly MD
Joseph A. Dearani MD
Kevin L. Greason MD
Vishal Khullar MBBS
Prasad Krishnan MD
Alberto Pochettino MD
Phillip G. Rowe MD
Hartzell V. Schaff MD
John M. Stulak MD

Valvular Heart Disease Clinic
Addresses native and prosthetic valve diseases, employing advanced diagnostic testing, offers unique surgical therapies such as robotic mitral valve repair and catheter-based therapies, including transcatheter heart valves and periprosthetic leak closure devices with unparalleled results.

Vuyisile T. Nkomo MD, Director
Mackram F. Eleid MD
Raul E. Espinosa MD
Titus C. Evans Jr MD
David A. Foley MD
Bernard J. Gersh MB ChB DPhil
Jeffrey B. Geske MD
Sushil (Allen) A. Luis MBBS
Joseph F. Maalouf MD
Rekha Mankad MD
Sunil V. Mankad MD
Hector I. Michelena MD
Joseph G. Murphy MD
Rick A. Nishimura MD
Jae K. Oh MD
Ratnasari Padang MBBS PhD
Sorin V. Pismar MD
Guy S. Reeder MD
R. Scott Wright MD

*Mayo Clinic Health System
**GONDA VASCULAR CENTER**

Haraldur Bjarnason MD, Director

**Noninvasive Vascular Lab**

Paul W. Wennberg MD, Director
Ana I. Casanegra MD
David A. Froehling MD
Iftikhar J. Kullo MD
Robert D. McBane MD
Thom W. Rooke MD
Roger F. Shepherd MB BCh
Raymond C. Shields MD

**Thrombophilia Clinic**

Provides treatment of acute thrombosis, peri-procedure management of chronically anticoagulated patients, assessment and recommendations for patients at high risk for postoperative VTE, and suspected familial or acquired thrombophilia, as well as chronic anticoagulation care.

Waldemar E. Wysokinski MD PhD, Director
Aneel A. Ashrani MD
Matthew A. Bartlett MB BCh BAO
Ana I. Casanegra MD
Paul R. Daniels MD
David A. Froehling MD
Robert D. McBane MD
Raymond C. Shields MD

**Vascular Medicine Clinic**

Robert D. McBane MD, Director
Ana I. Casanegra MD
Mark G. Costopoulos MD
David A. Froehling MD
Iftikhar J. Kullo MD
Ian R. McPhail MD
Thom W. Rooke MD
Roger F. J. Shepherd MB BCh
Raymond C. Shields MD
Paul W. Wennberg MD
Waldemar E. Wysokinski MD PhD

**Thrombophilia Clinic**

Treats patients with vascular wounds, addresses the underlying disease process, and provides management directives to optimize wound healing.

Karen L. Andrews MD, Director
Ana I. Casanegra MD
Paul L. Claus MD
Robert Haddon MD MS
Robert D. McBane MD
Ian R. McPhail MD
Raymond C. Shields MD
Waldemar E. Wysokinski MD PhD
Carol J. Bohanon APRN CNP DNP
Dalene M. Bott-Kitslaar APRN CNP
Alice J. Malecha APRN CNP MSN
Danielle T. Vlazny PA-C MS

**Vascular Surgery**

Thomas C. Bower MD, Chair
Randall R. De Martino MD
Jill K. Colglazer MD
Manju Kaira MD
Gustavo S. Oderich MD
Fahad Shuja MBBS

**Vein Clinic**

Specializes in the treatment of venous diseases such as spider veins, varicose veins, and treatment of non-healing ulcers and blood clots. Interventional treatment options include sclerotherapy, phlebectomy, radiofrequency endovenous laser ablation, and laser pulsed-light treatment.

Melissa J. Neisen MD, Director
Gregory W. Barsness MD
Emily C. Bendel MD
Haraldur Bjarnason MD
Thomas C. Bower MD
Rajiv Gulati MD PhD
Jill K. Colglazer MD
Manju Kaira MBBS
Ian R. McPhail MD
Sanjay Misra MD
Newton B. Neidert MD
Gustavo S. Oderich MD
Clark C. Otley MD
Thom W. Rooke MD
Fahad Shuja MBBS
Andrew H. Stockland MD

**INTEGRATED STRESS CENTER**

J. Wells Askew III MD, Director

**Cardiopulmonary Stress Laboratory**

Francisco Lopez-Jimenez MD, Director
Thomas G. Allison PhD MPH
Adelaide M. Arruda- Olson MD PhD
Amanda R. Bonikowske PhD
Frank V. Brozovich MD PhD
Bruce D. Johnson PhD
Birgit Kantor MD
Stephen L. Kopecky MD
Iftikhar J. Kullo MD
Thomas P. Olson PhD
Virend Somers MD PhD
Ray W. Squires PhD
Randal J. Thomas MD
Hector R. Villarraga MD

**Nuclear Cardiology Laboratory**

Panithaya Chareonthaitawee MD, Director
Omar F. Abou Ezzeddine MD MS
Nandan S. Anavekar MD
J. Wells Askew III MD
Raymond J. Gibbons MD
John H. Haley MD*
Todd D. Miller MD
Martin G. Rodriguez-Porcel MD

**Stress Echocardiography**

Robert B. McCully MD, Director
Naser M. Ammash MD
Nandan S. Anavekar MB BCh
Adelaide M. Arruda-Olson MD PhD
J. Wells Askew III MD
Lori A. Blauwet MD
Roger L. Cick MD PhD
Michael W. Cullen MD*
Raul E. Espinosa MD
Monique A. Freund MD*
John H. Haley MD*
Robert J. Houlihan MD*
Garvan C. Kane MD PhD
Kyle W. Klarich MD
Joseph F. Maalouf MD
Sunil V. Mankad MD
Roweins M. Melduni MD
Hector I. Michelena MD
Fletcher A. Miller Jr MD
Andrew G. Moore MD*
Vuyisile T. Nkomo MD
Jae K. Oh MD
Steve R. Ommen MD
Patricia K. Pellikka MD
Tyler J. Peterson MD*
Sorin V. Pislaru MD PhD
Lawrence J. Sinak MD
Peter C. Spittell MD
Tahir Tak MD PhD*
Hector R. Villarraga MD

*Mayo Clinic Health System
PEDIATRIC CARDIOLOGY

Offers a full range of cardiology services for infants, children and adolescents, including evaluation and treatment of all forms of congenital heart disease, heart rhythm disorders, cardiomyopathy, heart failure, and genetic heart conditions.

Jonathan N. Johnson MD, Chair

Michael J. Ackerman MD PhD
Jason H. Anderson MD
Samuel J. Asirvatham MD
Allison K. Cabalka MD
Bryan C. Cannon MD
Frank Cetta MD
Ben W. Eidem MD
Donald J. Hagler MD
Justin M. Horner MD
Timothy J. Nelson MD PhD
Patrick W. O'Leary MD
Timothy M. Olson MD
M. Yasir Qureshi MBBS
Nathaniel W. Taggart MD
Alex J. Thompson MD
Charlotte S. Van Dorn MD
Philip L. Wackel MD
Carole A. Warnes MD
Katy M. Bos APRN CNS MS
Sonja H. Dahl APRN DNP CNP

WILLIAM J. VON LIEBIG CENTER FOR TRANSPLANTATION AND CLINICAL REGENERATION

Charles B. Rosen MD, Director

Cardiology
Alfredo L. Clavell MD, Medical Director
Transplantation and VAD Program
Atta Behfar MD PhD
Barry A. Boilson MD
Alfredo L. Clavell MD
Shannon M. Dunlay MD
Brooks S. Edwards MD
Robert P. Frantz MD
Sudhir S. Kushwaha MD
Naveen L. Pereira MD
Richard J. Rodeheffer MD
John A. Schirger MD
Jean A. Wagner APRN CNP

Cardiovascular and Thoracic Surgery
Richard C. Daly MD, Surgical Director
Heart and Lung Transplantation
Stephen D. Cassivi MD
Joseph A. Dearani MD
Vishal Khullar MBBS
Alberto Pochettino MD
John M. Stulak MD

Pediatric Cardiology
Jonathan N. Johnson MD, Medical Director
Pediatric Heart Transplantation
Patrick W. O'Leary MD
Trista A. Brown PA-C MS

Pulmonology
J. P. Scott MD, Medical Director
Lung Transplantation
Cassie C. Kennedy MD
Steve G. Peters MD
Hiroshi Sekiguchi MD
Mark E. Wylan MD

COMMUNITY CARDIOLOGY DIVISION

Provides cardiology on-site visits throughout the midwest, televisits for subspecialty cardiology problems, and non-invasive imaging services.

David A. Foley MD, Chair

Minnesota
Kevin T. Cragun MD, Section Head
Nili R. Aggarwal MD
David A. Foley MD
John H. Haley MD
Robert J. Houlihan MD
Lawrence R. Keenan MD
James J. Milavetz MD
Andrew Moore MD
D. Brian Newman MD
Krisha Pamulpati MD
Breno S. Pessanha MD
Tyler J. Peterson MD
Ripudamanjot Singh MD
Mir (Rauf) Subha MBBS
Jeremy J. Thaden MD

Community Cardiology
Wisconsin
D. Fearghas O’Cochlain MD, Section Head
Michel K. Barsoum MB ChB
Charles R. Cagin DO
Andrew Calvin MD
Freddy Del Cargio Munoz MD
Monique A. Freund MD
Richard D. Hanna MD
Daniel T. Kincaid MD
Vien Le MD
Michael S. Meyers MD
Shoaib A. Naseem MD
Vishnu R. Patiolla MD
Thomas Roy MD
David R. Rushlow MD
Yader B. Sandoval Picardo MD
Steven W. Schreiter MD
Gurpreet Singh MBBS MD
Ismail K. Tabash MD
Tahir Tak MD PhD
Diana Trifa MD
Arturo M. Valverde MD

COMPREHENSIVE CARDIOLOGY DIVISION

Provides comprehensive diagnostic evaluation and treatment for multifaceted cardiac conditions.

David A. Foley MD, Chair

Jorge A. Brenes-Salazar MD
Maurice E. Sarano MD
Titus C. Evans Jr MD
Robert L. Frye MD
Thomas C. Gerber MD
Jacob C. Jentzer MD
Douglas L. Wood MD
**Mayo Clinic Health System**

**David A. Foley MD, Director**

**Albert Lea, Minn**
Appointments: 507-379-2151
Fax: 507-377-6833
Darrell (Brian) B. Newman MD
Christopher L. Lee APRN CNP DNP

**Austin, Minn**
Appointments: 507-434-1262
Lawrence R. Keenan MD
Andrew G. Moore MD
Colleen R. Nelson CNP RN
Marcia A. Rosendahl CNP RN

**Cannon Falls, Minn**
Appointments: 507-263-6001

**Cardiology**
R. Thomas Tilbury MD

**Mankato, Minn**
Appointments: 877-720-5412
After Hours: 507-385-5777

**Adult Cardiology**
John H. Haley MD, Chair
Kevin T. Cragun MD
Robert J. Houlihan MD
James J. Milavetz MD
Krishna M. Pamulapati MD
Ripudamanjit Singh MD
Anita K. Anderson PA-C
Susan K. Haugh CNP RN
Natalie A. Hoppe APRN CNP
Theresa M. McGowan APRN CNP
Emran Mohammad APRN CNP

**Interventional Cardiology**
Krishna M. Pamulapati MD
Ripudamanjit M. Singh MD

**Pediatric Cardiology**
Allison K. Cabalka MD
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Nathaniel W. Taggart MD
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Samuel Jacob MD
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Ian A. Makey MD
Mathew Thomas MBBS

Heart Transplant and Mechanical Circulatory Support
Kevin P. Landolfo MD MSc, Surgical Director
Daniel S. Yip MD, Medical Director
Juan Carlos Leoni Moreno MD
Parag C. Patel MD
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Christopher J. McLeod MB ChB PhD

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Jordan C. Ray MD, Director

Cardiopulmonary Rehabilitation
Jorge F. Trejo-Gutierrez MD MHS, Director
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Ischemic Heart Disease
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Dilip P. Pillai MD
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