CIRCULATORY FAILURE PROGRAM
Margaret M. Redfield MD, Director

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. Klarich 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 therapies for heart failure.

Grace Lin MD, Director
Omar F. Abou Ezzeddine MD MS
Barry A. Boilson MD
Daniel D. Borgeson MD
Barry A. Boilson MD
Alfredo L. Clavell MD
Shannon M. Dunlay MD
Brooks S. Edwards MD
Robert P. Frantz MD
Naveen L. Pereira MD
Martha Grogan MD
Barry L. Karon MD
Sudhir S. Kushwaha MD
Grace Lin MD
Wayne L. Miller MD PhD
Lyle J. Olson MD

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

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

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

Cardiovascular Surgery
Simon Maitais MD PhD, Surgical Director
Richard C. Daly MD
John M. Stulak MD

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
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

HEART RHYTHM SERVICES
Thomas Munger MD, Director

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.

Margaret A. Lloyd MD MBA, Director
Samuel J. Asirvatham MD
David J. Bradley MD PhD
Peter A. Brady MD
Yong-Mei Cha MD
Abhishek J. Deshmukh MBBS
Raul E. Espinosa MD
Paul A. Friedman MD
Bernard J. Gersh MB ChB DPhil
Suraj Kapa MD
Hon-Chi Lee MD
Malini Madhavan MBBS
Siva K. Mulpuru 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
Monika M. Dutch APRN CNP MSN
Randall A. Hirn PA-C
Jill M. Olmscheid APRN CNP
Amy M. Stier APRN MSN CNP

**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*

**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*
Katy M. Bos APRN CNS MS

**Electrophysiology Laboratory**
Thomas Munger MD, *Director*
Samuel J. Asirvatham MD
David J. Bradley MD PhD
Peter A. Brady MD
Yong-Mei Cha MD
Freddy Del-Carpio Munoz MD*
Abhishek J. Deshmukh MBBS
Paul A. Friedman MD
Suraj Kapa MD
Malini Madhavan MBBS
Siva K. Mulpuru MD
Thomas M. Munger MD
Peter A. Noseworthy MD
Robert F. Rea MD
Arturo M. Valverde MD*

**Implantable Device Laboratory**
Yong-Mei Cha MD, *Director*
Samuel J. Asirvatham MD
David J. Bradley MD PhD
Peter A. Brady MD
Raul E. Espinosa MD
Paul A. Friedman MD
Hon-Chi Lee MD
Siva K. Mulpuru MD
Michael J. Osborn MD
Robert F. Rea 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 Gulati MD PhD
Joerg Herrmann MD
David R. Holmes Jr MD
Andre C. Lapeyre III 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

**ISCHEMIC HEART DISEASE PROGRAM**
Malcolm R. Bell MD, *Director*

**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*
Gregory W. Barsness MD
Patricia J. M. Best MD
Panithaya Chareonthaitawee MD
Bernard J. Gersh MB ChB DPhil
Joerg Herrmann MD
David R. Holmes Jr MD
Joseph G. Murphy MD
Abhiram Prasad MD
Guy S. Reeder MD
Martin G. Rodriguez-Porcel MD
Gurpreet S. Sandhu MD PhD
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 Gulati MD PhD
Joerg Herrmann MD
David R. Holmes Jr MD
Andre C. Lapeyre III MD
Amir Lerman MD
Abhiram Prasad MD
Guy S. Reeder MD
Gurpreet S. Sandhu MD PhD
Mandeep Singh MD MPH
R. Thomas Tilbury MD

**Pediatric Electrocardiography Laboratory**
Bryan C. Cannon MD, *Director*
Philip L. Wackel MD

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

**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*
Katy M. Bos APRN CNS MS

**Electrophysiology Laboratory**
Thomas Munger MD, *Director*
Samuel J. Asirvatham MD
David J. Bradley MD PhD
Peter A. Brady MD
Yong-Mei Cha MD
Freddy Del-Carpio Munoz MD*
Abhishek J. Deshmukh MBBS
Paul A. Friedman MD
Suraj Kapa MD
Malini Madhavan MBBS
Siva K. Mulpuru MD
Thomas M. Munger MD
Peter A. Noseworthy MD
Robert F. Rea MD
Arturo M. Valverde MD*

**Implantable Device Laboratory**
Yong-Mei Cha MD, *Director*
Samuel J. Asirvatham MD
David J. Bradley MD PhD
Peter A. Brady MD
Raul E. Espinosa MD
Paul A. Friedman MD
Hon-Chi Lee MD
Siva K. Mulpuru MD
Michael J. Osborn MD
Robert F. Rea MD

Visit mayoclinic.org/medicalprofs 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

*Mayo Clinic Health System*
Structural Interventional Cardiology
Malcom R. Bell MD
Patricia J. M. Best MD
John F. Bresnahan MD
Mackram F. Eleid MD
Rajiv Gulati MD PhD
David R. Holmes Jr MD
Guy S. Reeder MD
Charanjit S. Rihal MD MBA
Gurpreet S. Sandhu MD PhD
Mandeep Singh MD

Invasive Hemodynamics and Physiology
Atta Behfar MD PhD
Barry A. Borlaug MD
Mackram F. Eleid MD
Robert P. Frantz MD
Joerg Herrmann MD
Andre C. Lapeyre MD III
Amir Lerman MD
Rick A. Nishimura MD

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

Endovascular Interventional Cardiology
Gregory W. Barsness MD
John F. Bresnahan MD
Rajiv Gulati MD PhD
David R. Holmes Jr MD

Congenital Interventional Cardiology
Jason H. Anderson MD
Allison K. Cabalka MD
Frank Cetta 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
Bernard J. Gersh MB ChB DPhil
Joerg Herrmann MD
Allan S. Jaffe MD
Jacobo G. Jentzer MD
Andre C. Lapeyre III MD
Sunil V. Mankad MD
Joseph G. Murphy MD
Jae K. Oh MD
Guy S. Reeder MD
Lawrence J. Sinak MD
R. Thomas Tilbury MD
 Brandon M. Wiley MD
R. Scott Wright MD

PREVENTIVE CARDIOLOGY PROGRAM
Francisco Lopez-Jimenez MD, Director

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.

Cardiac Rehabilitation Program
Offers a multidisciplinary, individualized treatment program designed to help patients recover from heart disease.

Cardio-Oncology Clinic
Specializes in integrative management for cancer patients with cardiovascular risks or injury.

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.

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.

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.

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.

*Mayo Clinic Health System
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 Johnson MD
Patrick W. O’Leary MD
Nathaniel W. Taggart MD
Philip L. Wackel MD

Cardiovascular Surgery
Joseph A. Dearani MD
Sameh M. Said 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
Samuel J. Asirvatham MD
Paul A. Friedman MD
David R. Holmes Jr MD
Thomas M. Munger MD
Guy S. Reeder MD

Neurology
Robert D. Brown Jr MD
Bruce A. Evans MD
Kelly D. Fienning 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

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
Lori A. Blauwe MD
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. Pislaru MD
Guy S. Reeder MD
R. Scott Wright MD
Courtney S. Swenson APRN CNP MSN

Naser M. Ammash 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
Rowlens M. Melduni MD

Cardiovascular Surgery
Gabor Bagameri MD
M. Sertac Cicek MD
Juan A. Crestanello MD
Richard C. Daly MD
Joseph A. Dearani MD
Kevin L. Greason MD
Simon Maltas MD PhD
Alberto Pochettino MD
Sameh M. Said MD
Hartzell V. Schaff MD
John M. Stulak 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
Rowlens M. Melduni MD

Cardiovascular Surgery
Gabor Bagameri MD
M. Sertac Cicek MD
Juan A. Crestanello MD
Richard C. Daly MD
Joseph A. Dearani MD
Kevin L. Greason MD
Simon Maltas MD PhD
Alberto Pochettino MD
Sameh M. Said MD
Hartzell V. Schaff MD
John M. Stulak MD

*Mayo Clinic Health System
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
Ana I. Casanegra MD
Paul R. Daniels MD
David A. Froehling MD
Robert D. McBane MD
Raymond C. Shields MD

Vasculitis Clinic
Addresses all forms of vasculitis including giant cell arteritis, takayasu arteritis, granulomatosis with polyangiitis and offers comprehensive medical and surgical treatments.

Kenneth J. Warrington MD, Director
Matthew J. Koster MD
Thom W. Rooke MD
Roger F. J. Shepherd MB BCh
Paul W. Wennberg MD

Vascular Medicine Clinic
Robert D. McBane MD, Director
Ana I. Casanegra MD
Mark G. Costopoulos MD
David A. Froehling MD
Ifikhar 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

Vascular Wound 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. Bohanoh 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. Johnstone MD
Manju Kraia 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. Johnstone MD
Manju Kraia 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

CARDIAC STRESS AND IMAGING
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
Ifikhar 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 Charoenthaitawee 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
Sandra K. Birchem DO*
Lori A. Blauwet MD
Roger L. Click 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
Rowlens M. Melduni MD
Hector I. Michelena MD
Peter C. Spittell MD

*Mayo Clinic Health System
Mechanical Circulatory Support
Simon Maltais MD PhD, Director
Richard C. Daly MD
John M. Stulak MD

Pediatric Cardiovascular Surgery
M. Sertac Cicek MD
Joseph A. Dearani MD
Sameh M. Said MD

Robotic Heart Surgery
Richard C. Daly MD
Joseph A. Dearani MD
Simon Maltais MD PhD

Transcatheter Aortic Valve Replacement/ Hybrid Surgery
Gabor Bagameri MD
Juan A. Crestanello MD
Kevin L. Greason MD
Simon Maltais MD PhD
Alberto Pochettino MD

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
Ben W. Eidem MD
David J. Driscoll 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
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
Sudhir S. Kushwaha 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
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
Simon Maltais MD PhD
Alberto Pochettino MD
Sameh M. Said MD
John M. Stulak MD

Pediatric Cardiology
Jonathan N. Johnson MD, Medical Director
Pediatric Heart Transplantation
David J. Driscoll MD
Patrick W. O'Leary MD
Sonja H. Dahl APNR DNP CNP

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

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

David A. Foley MD, Director

Community Cardiology
J. Wells Askew III MD
Sandra K. Birchom DO*
Crystal R. Bonnichsen MD
David J. Bradley MD PhD
Peter A. Brady MB ChB MD
Jorge A. Brenes-Salazar MD
LaPrincess C. Brewer MD MPH
Alfredo L. Clavell MD
Roger L. Click MD PhD
David A. Foley MD
Robert P. Frantz MD
Rajiv Gulati MD PhD
Sharonne N. Hayes MD
Suraj Kapa MD
Stephen L. Kopecky MD
Rekha Mankad MD
Robert D. McBane MD
Robert B. McCully MD
Paul M. McKie MD
Hector I. Micheletana MD
Todd D. Miller MD
Fletcher A. Miller Jr MD
Wayne L. Miller MD PhD
Vuyisile T. Nkomo MD
Steve R. Ommen MD
Michael J. Osborn MD
Sorin V. Pislaru MD PhD
Clarence Shub MD
Peter C. Spittlel MD
R. Thomas Tilbury MD
Farris K. Timimi MD
Paul W. Wennberg MD
R. Scott Wright MD
Waldemar E. Wysokinski MD PhD
Jane A. Linderbaum APRN CNP

Comprehensive Cardiology
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
Sandra K. Birchem DO
Darrell (Brian) B. Newman MD

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

Cardiology
John H. Haley MD, Chair
Kevin T. Cragun MD
Robert J. Houlihan MD
James J. Milavetz MD
Arashk Motiei MD
Krishna M. Pamulapati MD
Ripudamanjit Singh MD
Benjamin F. Wong MD
Anita K. Anderson PA-C
Susan K. Haugh CNP RN
Natalie A. Hopper APRN CNP
Theresa M. McGowan ANP MSN CNP
Emran Mohammad APRN CNP

Interventional Cardiology
Arashk Motiei MD
Krishna M. Pamulapati MD
Ripudamanjit M. Singh MD

Wabasha, Minn
Appointments: 651-565-4571

Cardiology
David A. Foley MD

Eau Claire, Wis
Appointments: 715-838-6320
After Hours: 715-838-3311
Fax: 715-838-6273

Cardiology
D. Fearghas O’Cochlain MD MB BCh, Chair
Michel K. Barsoum MD
Andrew D. Calvin MD
Richard D. Hanna MD
Daniel T. Kincaid MD
Vien Le MD
Shoaib A. Naseem MD
Vishnu R. Patilolla MD
Thomas Roy MD
Steven W. Schreiter MD
Gurpreet S. Singh MD
Ismael Tabash MD
Diana I. Trifa MD
Arturo M. Valverde MD
Jordan R. Grabow PA-C
Melanie L. Jandrin PA-C
Jessica L. Joles RN NP
Kathleen A. Kuznar CNP
Lisa K. O’Neill CNP
Ann E. Ruffledt PA-C
Lindsey Wayne CNP

Electrophysiology
Arturo M. Valverde MD

Interventional Cardiology
D. Fearghas O’Cochlain MD MB BCh
Steven W. Schreiter MD
Gurpreet S. Singh MD

Cardiovascular and Thoracic Surgery
Robert J. Weichmann MD, Chair
Thomas T. Carmody MD
Kirk J. Herzog PA-C
Gloria R. Krueger PA-C
Shawn T. Marczak PA-C
Mark A. Twesme PA-C

La Crosse, Wis
Appointments: 608-785-0940

Cardiology
Charles R. Cagin DO, Chair
Freddy Del Carpio Muñoz MD
Monique A. Freund MD
Michael S. Meyers MD
Yader B. Sandoval Pichardo MD
Tahir Tak MD PhD
Emma J. Banwart CNP RN
Andrea M. Branson CNP RN
Heather M. Mpemwangi CNP RN

Electrophysiology
Freddy Del Carpio Muñoz MD

Interventional Cardiology
Charles R. Cagin DO

Visit mayoclinic.org/medicalprofs 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

*Mayo Clinic Health System
CARDIOTHORACIC SURGERY
Si M. Pham MD, Chair
Erol V. Belli MD
Magdy M. El-Sayed Ahmed MD
Samuel Jacob MD
Kevin P. Landolfo MD MSc
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
Erol V. Belli MD
Jeffrey D. Hosenpud MD
Juan Carlos Leoni Moreno MD
Parag C. Patel MD
Si M. Pham MD

CARDIOLOGY
Adult Congenital Heart Disease and Marfan Syndrome Clinic
Sabrina D. Phillips MD, Director
Christopher J. McLeod MB ChB PhD

Cardiopulmonary Rehabilitation
Jorge F. Trejo-Gutierrez MD MHS, Director
Brian P. Shapiro MD

Cardiovascular Clinic
Joseph L. Blackshear MD
Charles J. Bruce MD
Leah T. Cooper Jr MD
Thomas R. Flipse MD
Shahyar (Michael) Gharacholou MD
Carolyn K. Landolfo MD
Gary E. Lane MD
Keith R. Oken MD
Pragnesh P. Parikh MD

Valvular Heart Disease
Joseph L. Blackshear MD, Director
Charles J. Bruce MD
Carolyn K. Landolfo MD
Pragnesh P. Parikh MD
Peter M. Pollak MD
Steven Ung MD

Vascular Medicine
Leslie T. Cooper Jr MD
Amy W. Pollak MD

Women's Heart Disease
Carolyn K. Landolfo MD, Director
Amy W. Pollak MD

Cardiovascular Imaging (CT, MRI, Nuclear Cardiology)
Thomas R. Flipse MD
Pragnesh P. Parikh MD
Amy W. Pollak MD

Interventional Cardiology
Shahyar M. Gharacholou MD
Gary E. Lane MD
Dilip P. Pillai MBBS
Peter M. Pollak MD

Valvular Heart Disease
Joseph L. Blackshear MD, Director
Charles J. Bruce MD
Carolyn K. Landolfo MD
Pragnesh P. Parikh MD
Peter M. Pollak MD
Steven Ung MD

Vascular Medicine
Leslie T. Cooper Jr MD
Amy W. Pollak MD

Women's Heart Disease
Carolyn K. Landolfo MD, Director
Amy W. Pollak MD

Cardiovascular Imaging (CT, MRI, Nuclear Cardiology)
Thomas R. Flipse MD
Pragnesh P. Parikh MD
Amy W. Pollak MD

Interventional Cardiology
Shahyar M. Gharacholou MD
Gary E. Lane MD
Dilip P. Pillai MBBS
Peter M. Pollak MD

Mayo Clinic in Florida welcomes inquiries and referrals, and a request to a specific physician is not required.
PHOENIX & SCOTTSDALE, ARIZONA

Win-Kuang Shen MD, Chair, Department of Cardiovascular Medicine
Octavio E. Pajaro MD PhD, Chair, Department of Cardiothoracic Surgery

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

**CARDIOVASCULAR AND THORACIC SURGERY**
Octavio E. Pajaro MD PhD, Chair
Staci E. Beamer MD
Patrick A. DeValeria MD
Jama Jahanyar MD PhD
Dawn E. Jaroszewski MD
Louis A. Lanza MD

Heart Transplant and Mechanical Circulatory Support
Surgical
Octavio E. Pajaro MD PhD, Surgical Director
Staci E. Beamer MD
Patrick A. DeValeria MD
Jama Jahanyar MD PhD
Dawn E. Jaroszewski MD
Louis A. Lanza MD

Medical
D. Eric Steidley MD, Medical Director
Brian W. Hardaway MD
Lisa M. LeMond MD
Julie L. Rosenthal MD
Robert L. Scott MD

**CARDIOVASCULAR DISEASES**

Adult Congenital Heart Disease
Francois Marcotte MD, Director
Craig R. Cohen MD
Christen R. Waddell APRN DNP NP

Advanced Heart Failure and Pulmonary Hypertension
D. Eric Steidley MD, Director
Robert L. Scott MD, Director-Pulmonary HTN
Brian W. Hardaway MD
Lisa M. LeMond MD
Julie L. Rosenthal MD
Anne Marie Wenzel CNP

Arrhythmia Surgery
Dawn E. Jaroszewski MD
Louis A. Lanza MD

Cardiac Rehabilitation
Regis I. Fernandes MD, Director

Cardiovascular Oncology
Reza Arsanjani MD
Brian W. Hardaway MD
Carolyn M. Larson MD
Howard R. Lee MD PhD
Farouk Mookadam MD MB ChB

Clinical Cardiology
Kelley Kennedy MD
Howard R. Lee MD PhD
David Simper MD

Heart Health and Performance
Regis I. Fernandes MD, Medical Director
Robert Scales PhD, Program Director
Susan M. Halli-Demeter CNP DNP RN

Heart Rhythm Services
Komandoor Srivathasan MD, Director
Siva K. Mulpuru MD
Luis R. Scott MD
Dan Serajja MD
Win-Kuang Shen MD
Susan E. Hendrik PA-C
Deandra R. O’Connor MSN NP AGACNP-BC

Hypertrophic Cardiomyopathy
Steven J. Lester MD, Director
Christopher P. Appleton MD
William K. Freeman MD
Susan Wilansky MD

Pericardial Disease
Christopher P. Appleton MD
Farouk Mookadam MD MB ChB

**CARDIOVASCULAR LABORATORIES**

Echocardiography Laboratory
Tasneem Z. Naqvi MD, Director
Christopher P. Appleton MD
Reza Arsanjani MD
Hari P. Chaliki MD
Regis I. Fernandes MD
William K. Freeman MD
Carolyn M. Larsen MD
Steven J. Lester MD
John J. Lynch MD
Francois Marcotte MD
Farouk Mookadam MD MB ChB
Samuel Unzek MD
Susan Wilansky MD

Interventional Cardiology Laboratory
Eric H. Yang MD, Director
F. David Fortuin MD
Richard W. Lee MD
John P. Sweeney MD

Nuclear Cardiology
Samuel Unzek MD, Director
Reza Arsanjani MD
Fadi E. Shamoun MD

Translational Ultrasound Research Laboratory
Marek Belohlavek MD PhD, Director
Clifford D. Folmes PhD

Vascular Disease
Medical
Fadi E. Shamoun MD
Surgical
Victor J. Davila MD
Richard J. Fowl MD
Samuel R. Money MD
William M. Stone MD

Visit mayoclinic.org/medicalprofs 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
ROCHESTER, MINNESOTA

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

JACKSONVILLE, FLORIDA

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

Referrals & Consultations in Florida
Appointments: 904-953-2934 (Local) 800-634-1417 (National)
After Hours: 904-953-2000
Fax: 904-953-0759

PHOENIX & SCOTTSDALE, ARIZONA

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

Referrals & Consultations in Arizona
Appointments: 480-301-6539 (Local) 866-629-6362 (National)
Fax: 480-301-4071
Toll-free from Mexico: 001-800-010-1390