The Robert and Suzanne Tomisich Family Department of Cardiovascular Medicine has physicians in every cardiovascular specialty working to offer the latest medications and interventional heart disease procedures. The end result — better heart care outcomes for our patients. Our department includes the following centers:

**Clinical Cardiology**
Clinical Cardiology is very often the entry point for patients to access specialized inpatient and outpatient heart care and long-term management for their conditions. We offer the latest innovations in cardiac care and clinical therapies to patients of all ages, providing state-of-the-art tests and procedures to assist in accurate diagnosis and treatment planning. We see patients with very common heart problems, such as angina, artery problems, valvular heart disease, and heart failure, as well as some very rare forms of heart disease, including those that have been identified as untreatable at other facilities.

**Women’s Cardiovascular Center**
The Women's Cardiovascular Center provides comprehensive cardiovascular medical care to women, with a special focus on prevention. A multidisciplinary team of providers, including physicians, nurse practitioners, nurses, dietitians and exercise physiologists, has specialized expertise in preventive cardiology, coronary artery disease, heart failure, arrhythmia, valve disease, vascular disease, pregnancy and heart disease.

**Preventive Cardiology and Rehabilitation**
The Center for Preventive Cardiology and Rehabilitation helps those who already have heart and vascular disease and those who are at high risk of developing it. Programs include nutritional services, prescriptive exercise programs, stress testing, multiple cardiovascular risk reduction programs, peripheral vascular rehabilitation program in collaboration with Vascular Medicine, comprehensive cardiovascular care for women, and educational programs for patients and healthcare providers.

**Cardiac Electrophysiology and Pacing**
Caring for patients having difficulty with the heart's rhythm and electrical signaling, our experts in the Center for Cardiac Electrophysiology and Pacing are the leaders in the diagnosis and care of patients with atrial fibrillation, ventricular tachycardia, Wolfe Parkin-son White syndrome, flutter and other abnormal heart rhythms. The Center has five state-of-the-art laboratories that offer a wide range of electrophysiology and mapping and ablation procedures to patients with suspected rhythm abnormalities. Other services include an Atrial Fibrillation Clinic, remote monitoring devices, genetic testing, a full range of pacemaker and cardioverter defibrillator (ICD) devices, biventricular pacemakers, removal of leads, advanced mapping and ablation therapy, Syncope Clinic and Device Clinic.

**Cardiovascular Imaging**
Cleveland Clinic's Center for Cardiovascular Imaging specializes in obtaining and interpreting images of the heart to diagnose and treat heart disease patients. They are also experts in the treatment and long-term management of many types of heart conditions. Our cardiovascular imaging specialists pioneered the use of stress echocardiography in evaluating heart valve disease, hypertrophic cardiomyopathy, aortic aneurysm, patent foramen ovale, and dia-stolic dysfunction in amyloidosis and constrictive pericarditis. Other imaging techniques available include Transesophageal echocardiography (TEE), nuclear imaging, cardiac MRI and coronary CTA.
Heart Failure and Cardiac Transplant
The George M. and Linda H. Kaufman Center for Heart Failure offers a comprehensive, integrative approach to the research, diagnosis and treatment of heart failure and cardiomyopathy. Cleveland Clinic’s Cardiac Transplant program is one of the largest in the United States. Our physicians also aggressively pursue non-transplant options, including the use of diagnostic or monitoring studies such as B-type Natriuretic Peptide (BNP); medical- and device-based therapies, such as the newest medications, resynchronization therapy, and cell or gene therapy; and continue to investigate and improve surgical treatments, such as left ventricular assist devices, left ventricular reconstruction surgery and heart transplant.

Invasive Cardiology
The Center for Invasive Cardiology offers cutting-edge diagnostic tests and non-surgical interventional treatments for atherosclerosis and congenital heart disease, using stents, angioplasty, intravascular ultrasound, embolic-protection devices and enhanced external counterpulsation (EECP). Our physicians have one of the nation’s largest practices for fighting restenosis. Coronary angiography was developed at Cleveland Clinic in 1958 by F. Mason Sones, M.D. The F. Mason Sones Cardiac Catheterization Laboratory features 10 catheterization laboratories, and more than 45 catheterizations are performed on a typical day. Our experts are actively involved in research into percutaneous treatments for other heart conditions, including percutaneous valve repair and percutaneous valve replacement surgery.

Vascular Medicine
The Vascular Medicine Center offers comprehensive care for diseases of the vascular system, including peripheral artery disease, diffuse and premature atherosclerosis, and conditions such as Raynaud’s disease. Our specialists diagnose and manage arterial, venous and lymphatic disorders, as well as the acute and long-term care of patients with hypercoagulable disorders. Other specialized services include a Vascular Medicine Coumadin Program, Lower Extremity Wound Clinic and Peripheral Intervention Program. The Center is home to one of the most active vascular laboratories, with more than 2,200 clinical studies performed per month.

Cardiovascular Surgery
One of the largest, most experienced cardiac surgery groups in the world, our Department of Thoracic and Cardiovascular Surgery cared for patients from all 50 states and around the world in 2008. Our surgeons offer virtually every type of heart surgery including elective or emergency surgery for heart valve disease, aortic aneurysm, coronary artery disease, arrhythmias, heart failure, Marfan syndrome, and other less common conditions. Our staff works with the newest surgical techniques, equipment and devices, including minimally invasive surgery, off-pump bypass and robotically assisted surgery. Our depth and breadth of experience allows us to perform complex operations, such as second or third heart bypasses and conditions previously deemed inoperable, with success rates above the national average.

Thoracic Surgery
Cleveland Clinic thoracic surgeons are leaders in the surgical treatment of diseases of the lung and esophagus, including lung cancer, chronic obstructive pulmonary disease (COPD), lung failure, esophageal cancer, Barrett’s esophagus, achalasia, thoracic outlet syndrome and hyperhydrosis. Our comprehensive program, which is part of the Department of Thoracic and Cardiovascular Surgery, serves as a national referral center, offering cutting edge screening techniques to the latest minimally invasive surgical procedures. Multidisciplinary clinics are available for swallowing disorders, airway disease, lung failure and lung cancer.

Vascular Surgery
The Cleveland Clinic Department of Vascular Surgery performs more than 5,000 procedures annually for patients with a broad spectrum of vascular diseases at three inpatient, seven outpatient and four ambulatory surgery facilities. Our experts are national and international leaders in treating aneurismal disease of the thoracic and abdominal aorta, occlusive disease in the cerebrovascular circulation via both open and endovascular methods and the provision of dialysis access and minimally invasive treatments for venous disease. Our staff provides dialysis access to allow those individuals with end-stage renal disease to begin treatment. Many patients are also treated for cerebrovascular disease to reduce the risk of stroke.