

# World-leading care for arrhythmias.

An arrhythmia is an irregular rhythm of the heart. Some arrhythmias are relatively harmless, while others can result in death within minutes. For over three decades, the University of Rochester Medical Center has helped to lead the world in research and treatments for arrhythmias. Our research has contributed to advanced protocols and American Heart Association/American College of Cardiology Recommended Guidelines that have improved quality of life and survival rates for thousands of patients. Our leadership role means we are able to provide the most cutting-edge treatments for heart rhythm disorders. As a result, our program draws patients from across the nation and around the world.

## The most advanced care for heart rhythm disorders.

- Our large research databases allow us to look at results from thousands of patients to improve treatments and outcomes in individual patients.

- We are the only area center that specializes in laser extractions of pacemakers and defibrillators.
- We offer complex procedures that are not available at other area centers, such as complex ablations for arrhythmias that originate in the lower chambers of the heart.
- Our center has state-of-the-art arrhythmia care equipment, including Steterotaxis, a computer controlled magnetic navigation device that delivers precise ablation more safely than manual catheters.
- We led the research that showed cardiac defibrillators can extend the survival of patients with heart failure.
- We offer advanced diagnostic evaluation and treatment for hereditary heart rhythm disorders that often affect athletes and younger patients, such as Long QT Syndrome, Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy.



## Specialty Centers.

The URMC Heart & Vascular Center offers several clinics that provide highly customized care for various heart rhythm disorders.

**Atrial Fibrillation Clinic.** Provides medical and surgical treatments for atrial fibrillation.

**Hereditary Arrhythmia Clinic.** Specializes in the treatment of patients with a family history of heart rhythm disorders.

**Cardiac Device Clinic.** Expert care for patients needing pacemakers and implantable cardioverter defibrillators (ICDs).

# Arrhythmias

## Treatments we provide.

**Atrial fibrillation ablation.** This procedure is performed through a tiny incision in the patient's leg. In many cases, an ablation can eliminate the arrhythmia and allow patients to stop medications.

**Implantable cardiac defibrillators.** Our doctors are part of the leadership in research that demonstrated implantable defibrillators can improve survival in patients with heart failure. Further research has also shown a special version of these devices can further improve the heart function as well as the quality of life in some of these patients.

**Laser extractions.** Removing a device is more complex than implanting it initially. Our doctors have the most experience in the area in safely removing cardiac devices like ICDs and pacemakers.

**Ventricular tachycardia ablation.** Our doctors have the most experience in the region in performing VT ablations. This procedure can help to control dangerous life-threatening heart rhythms that medicines alone are unable to treat.

### One number for excellent care.

For more information on our care for arrhythmias, or to set up an appointment, please call us today. With just one phone number for every heart and vascular need, we make getting the care you need simple:

**call 585-275-2877**

or visit us at [heart.urmc.edu](http://heart.urmc.edu).

**Radiofrequency ablation.** We are the first center in the region to offer radiofrequency ablation, a procedure that restores normal electrical signals to help eliminate arrhythmias. URMC has become a referral center for complex and difficult arrhythmia cases.

## Our team.

**David Huang, M.D.** Dr. Huang is the Director of Electrophysiology at URMC. He is a specialist in the treatment of complex arrhythmias and ventricular tachycardia with ablation therapy. He also has experience in managing cardiac patients with complex implantable cardiac device issues.

**Spencer Rosero, M.D.** Dr. Rosero is Director of the Pacemaker Clinic at URMC and Co-Director of the Hereditary Arrhythmia Clinic, which treats families that have a history of heart rhythm disorders.

**Burr Hall, M.D.** Dr. Hall specializes in the treatment of patients with atrial fibrillation and is the Director of the Atrial Fibrillation Clinic at URMC. He is also an expert in the complete management of pacemakers, defibrillators and resynchronization devices.

**Mehmet Aktas, M.D.** Dr. Aktas has special interests in sudden cardiac death and treatment with implantable cardiac devices. He is also an expert in lead and device extractions.

**Christine Tompkins, M.D.** Dr. Tompkins provides comprehensive care for patients with arrhythmias, including complex ablations, cardiac device implantations and device extractions. She has a specific research interest understanding arrhythmias in women.