



There's Hope For Irregular Heartbeats... It's called Stereotaxis.

What is Stereotaxis?

Miami Valley Hospital is committed to offering unique, advanced technology that goes beyond conventional catheter ablation techniques to treat arrhythmias. Stereotaxis is a magnetic navigation system that allows doctors use of computer controlled, spaghetti-like magnets to steer catheters and guidewires into delicate heart tissue for electrophysiology studies and ablations. Magnetic navigation is designed to enhance patient care with the following potential advantages over traditional, manual-guided interventional procedures, allowing doctors to correct arrhythmias with increased precision and fewer complications.

What is the Advantage?

Traditional techniques are sometimes challenging for physicians because they require very precise manual orientation of a relatively stiff catheter within potentially complex heart chamber anatomy. The goal of Stereotaxis' technology is to contact the wall of the heart in an optimal way. Softer, more flexible catheters may reduce the chance of distorting or damaging the heart wall. By combining the benefits of precise, computer-aided magnetic guidance with gentle catheter contact, Stereotaxis technology can enable softer, safer interventional procedures with better outcomes and shorter patient recovery times.

How Do Patients Benefit?

In offering Stereotaxis to our patients, we hope to see:

- Improved safety and results for our patients being treated for both common and complex arrhythmias
- Least invasive treatment of complex arrhythmias with shorter procedures and brief hospital stays
- Increased likelihood of successful treatment of patients with highly complex arrhythmias, such as atrial fibrillation

Are You at Risk?

Arrhythmia 101

Almost 3 million Americans live with arrhythmia. With this condition, the heart may seem to skip a beat, beat irregularly, or beat too fast or too slow.

Signs may include:

- A fluttering feeling in the chest
- Racing heartbeat
- Slow heartbeat
- Chest pain
- Shortness of breath
- Lightheadedness
- Dizziness
- Fainting or near fainting

Arrhythmia doesn't always indicate a serious problem or require any treatment. But in some cases, it can be a life-threatening condition.



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For more information, contact the Miami Valley Hospital Cardiology Services, Monday through Friday, 7:30 a.m. to 4:30 p.m., at **(937) 208-7855** or visit **mvh.org/heart**