

For Physicians and
Health Care
Professionals from
The University of
Kansas Hospital

STEREOTAXIS SYSTEM OFFERS THE REGION'S MOST ADVANCED TREATMENT FOR ABNORMAL HEART RHYTHMS



Loren Berenbom, MD

The Stereotaxis Magnetic Navigation System is the first and only catheter and guidewire navigation system in the world. Cardiologists at The University of Kansas Hospital are the first in the region to use this advanced technology to treat patients with abnormal heart rhythms.

Our system uses computer-controlled, externally applied magnetic fields to precisely and directly control the movement of a magnet-tipped catheter, guidewire or other interventional device through the blood vessels and chambers of the heart. The robotic-guided navigation and a softer-tipped catheter allow our physicians to safely reach previously inaccessible areas of the heart.



Martin Emert, MD

“Think of a child’s toy that uses magnets to move figurines across a surface and you’ll start to grasp the principle behind stereotaxis,” said Dhanunjaya Lakkireddy, MD, an electrophysiologist who specializes in treating atrial fibrillation. “The principle is simple, but the technology is amazingly sophisticated, with precise robotics and 3-D visualization of the heart.”

Following are some of the benefits of the Stereotaxis Magnetic Navigation System.

- **Safety:** The softer-tipped catheters allow physicians to safely access difficult-to-reach areas of the heart.
- **Precision:** The system provides consistent navigational control so catheters and guidewires remain in a steady, stable position.
- **Efficiency:** Procedures typically take less time and have less variability.

The Stereotaxis system is being used by the hospital’s electrophysiologists during ablation procedures for atrial fibrillation and other heart rhythm disorders. Our interventional cardiologists also use it for selected coronary angioplasty procedures.

“This is a new era for the treatment of atrial fibrillation and many rhythm abnormalities of the heart,” said Lakkireddy.

The Stereotaxis Magnetic Navigation System was purchased through a generous gift from community leader and philanthropist Annette Bloch. It has its own dedicated electrophysiology suite in the Richard and Annette Bloch Heart Rhythm Center within the hospital’s new Center for Advanced Heart Care.

For more information or to refer a patient, call 913-588-5862 or toll free 877-588-5862. Or visit our Web site at kumed.com.



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