



Stereotaxis and Acutus Medical Combine Robotic Precision and High-Resolution Imaging to Treat Arrhythmias in First Integrated Procedures

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- First patients successfully treated with robust integration of technologies
- Integrated technologies now commercially available

ST. LOUIS and CARLSBAD, Calif., March 15, 2019 (GLOBE NEWSWIRE) -- [Stereotaxis](#) (OTCQX: STXS) and [Acutus Medical](#) today announced the first patients have been successfully treated utilizing integrated Stereotaxis Robotic Magnetic Navigation and Acutus AcQMap systems. The integrated technologies are cleared for use in Europe with additional regulatory clearances expected in the coming months.

The therapeutic approach used in these first patients combines high-resolution real-time cardiac imaging and mapping from Acutus' AcQMap system with the unprecedented precision and stability of the Stereotaxis Robotic Magnetic Navigation system. The integration of these advanced technologies enables physicians to clearly see a patient's arrhythmia pattern and then reach those targets to deliver therapy with the accuracy of robotic navigation. The first integrated procedures were conducted by Dr. Tamas Szili-Torok of Erasmus Medical Center in Rotterdam, The Netherlands.

"When you combine an advanced mapping technology that shows you the locations to treat the patient with a robotic technology that gets you there more rapidly, precisely and safely, you improve patient care and the physician experience simultaneously. Physicians are safer, patients are safer, procedure time may be shortened with a potential for a reduced likelihood of additional procedures," said Dr. Tamas Szili-Torok. "Integration of the technologies worked smoothly and provided an enhanced workflow. The procedures went very well, with successful treatment of patients with atrial arrhythmias in a safe and efficient fashion."

AcQMap uses high-resolution ultrasound imaging and charge density mapping to create a clear visual display of the patient's cardiac anatomy and arrhythmia conduction pattern in real time, informing ablation strategy beyond the pulmonary vein. Physicians can then use Stereotaxis Robotic Magnetic Navigation to steer the catheter according to their treatment strategy, allowing for precise guidance in areas of the heart that can be challenging to access. Physicians remain in a control room during the procedure, reducing radiation exposure that can lead to cancer and other debilitating health issues.

"Precision is critical when treating cardiac arrhythmias. Understanding a patient's specific arrhythmia conduction pattern allows a physician to intuitively navigate an ablation catheter and treat the most challenging patients," said Vince Burgess, Chairman, President and CEO of Acutus Medical. "We've created an integrated treatment option that prioritizes physician safety and leads to quality outcomes that improve lives. The ability to iteratively re-map in less than two minutes following each ablation step further enhances the appeal of this adaptive therapeutic approach. It's a winning solution that every hospital should provide."

"The successful integration of the Stereotaxis and AcQMap systems allows physicians and patients to seamlessly receive the benefits of both world class technologies," said David Fischel, Chairman and CEO of Stereotaxis. "Using Stereotaxis' robotic technology, electrophysiologists are able to enjoy the benefits of unparalleled patient and physician safety and exceptional catheter stability, all while seated away from the x-ray source in the control room. Our collaboration is premised on a shared vision that open ecosystems – stimulating collaboration and increasing choice – are positive for patients, physicians, providers, and medical progress."

About Acutus Medical

[Acutus Medical](#) is a dynamic arrhythmia care company focused on developing distinct, innovative technologies that provide physicians and patients with improved results. At Acutus, we know that seeing is better than believing. Diagnosing and treating patients with atrial arrhythmias requires eliminating the unknown. Acutus' advanced cardiac imaging and mapping system provides real-time arrhythmia visualization displaying the heart's true activation pattern, turning the chaos of an atrial arrhythmia into a clear vision for electrophysiologists. Founded in 2011, Acutus is based in Carlsbad, California.

About Stereotaxis

[Stereotaxis](#) is the global leader in innovative robotic technologies designed to enhance the treatment of arrhythmias and perform endovascular procedures. Its mission is the discovery, development and delivery of robotic systems, instruments, and information solutions for the interventional laboratory. These innovations help physicians provide unsurpassed patient care with robotic precision and safety, improved lab efficiency and productivity, and enhanced integration of procedural information. Over 100 issued patents support the Stereotaxis platform. The core components of Stereotaxis' systems have received regulatory clearance in the United States, European Union, Japan, Canada, China, and elsewhere.

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