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TYRX to Present AIGIS_{Rx}TM Anti-Bacterial Envelope Retrospective Registry – First Analyses at the Transcatheter Cardiovascular Therapeutics 2009 Conference.

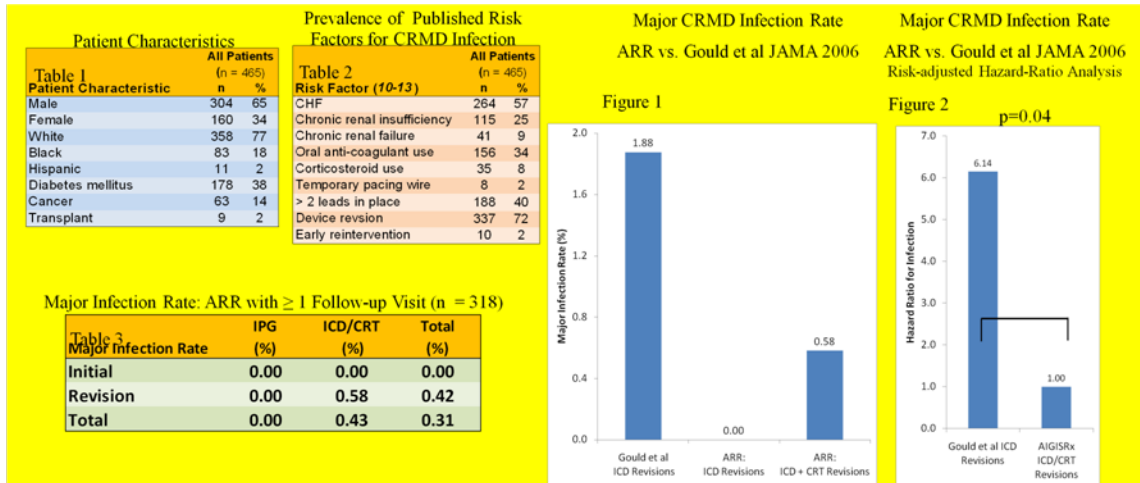
Monmouth Junction, NJ, (September 21, 2009) -- TYRX, Inc., a leader in the commercialization of implantable medical-pharmaceutical devices will present the first analyses of results from its AIGIS_{Rx} Anti-Bacterial Envelope Retrospective Registry during the Transcatheter Cardiovascular Therapeutics (TCT 2009) meeting in San Francisco, CA.

AIGIS_{Rx} is an anti-bacterial mesh envelope developed to deliver anti-microbial agents that help provide protection against infections associated with implanted pacemakers and cardioverter defibrillators. AIGIS_{Rx} also securely holds a pacemaker (PM) or implantable cardioverter defibrillator (ICD) in order to create a stable environment when implanted in the body.

During TCT 2009, a poster will be presented by Dr. Heather L. Bloom, Assistant Professor of Medicine, Emory University School of Medicine and Director of Cardiac Electrophysiology Services, Atlanta VAMC.

The intent of the IRB-sanctioned, multi-centered, retrospective study is to define the implant success rate and incidence of infection, in patients implanted with cardiac rhythm management device (CRMD) and the AIGIS_{Rx}.

As of August, 2009, 478 patients from nine (9) contributing clinical sites have been enrolled in the study with a >99% success rate of CRMD implantation. Of the 478 patients enrolled, 13 were excluded as they had active or immediately preceding infection present. Of the remaining 465 patients, 318 with ≥ 1 follow-up visit were analyzed.



Dr. Dan Lerner, TYRX’s Chief Medical Officer, noted that “when one looks at the characteristics of the patients enrolled in the AIGIS_{Rx} Retrospective Registry (ARR) to-date it is noteworthy that there is a high percentage of patients who are, according to published studies, at high risk of CRMD-related infections, with the majority of these patients undergoing device revision.”

When comparing the ARR ICD/CRT cohort to a comparable published control, Gould et al, *JAMA* 2006, ICD Revisions, the crude major infection rate for the AIGIS_{Rx} cohort is 69% lower (1.88 v. 0.58). The hazard ratio derived by comparing the Gould et al cohort to the ARR ICD/CRT cohort indicates AIGIS_{Rx} significantly reduced the risk for major CRMD infection by 84% (6.14 v. 1.00)(p=0.04).

Dr. Heather Bloom, co-investigator and poster presenter, noted, “As a VA physician, a significant portion of the patients referred to me for device implantation have multiple risk factors for CRMD infection. I am excited that the AIGIS_{Rx} retrospective registry data demonstrates extremely low rates of infection in patients with similar, very high risk, profiles. Since infection carries such devastating consequences, the addition of a new tool that is safe, easy to implant and effective represents huge advancement in the CRM field.”

“We are delighted these data indicate clinicians are using AIGIS_{Rx} in the full spectrum of CRMD implant procedures. In particular, it is gratifying to see that AIGIS_{Rx} is being used in patients who are at very high risk for CRMD infection,” added Bill Edelman, CEO of TYRX, Inc. “In addition to the AIGIS_{Rx} Retrospective Registry, we have begun the process of recruiting approximately 20 clinical sites for the AIGIS_{Rx} Prospective Registry, which will follow AIGIS_{Rx} patients for 12 months and compare the incidence of infection to published historical and case-matched controls of cardiac rhythm management device (CRMD) recipients. TYRX is committed to better understanding how the AIGIS_{Rx} envelope can help the greatest number of patients.”

About TYRX, Inc.

TYRX, Inc., an ISO 9001:2000 and ISO 13485:2003 certified medical device manufacturer, commercializes implantable combination drug/device products, including the AIGIS_{Rx} Anti-Bacterial Envelope. AIGIS_{Rx} contains the antimicrobial agents, rifampin and minocycline, which have been shown to reduce infection by organisms representing a majority of the infections reported in cardiac rhythm device related endocarditis, including “superbugs” or MRSA. In addition, AIGIS_{Rx} is intended to securely hold a pacemaker or implantable cardioverter defibrillator (ICD) in order to create a stable environment when implanted in the body. Following commercial release in June, 2008, AIGIS_{Rx} has been implanted in over 4,600 patients nationwide. In February, 2008 TYRX raised \$25 million in a venture capital financing led by Clarus Ventures and co-led by Pappas Ventures. TYRX products utilize novel biomaterials, including technology licensed exclusively from Rutgers, The State University of New Jersey. Additionally, TYRX has exclusively licensed from Baylor College of Medicine and The University of Texas M. D. Anderson Cancer Center product patents and associated technologies to address the problem of postsurgical nosocomial infection. TYRX is deploying its capabilities across a broad range of combination implantable medical-pharmaceutical devices. The combination products sector (products incorporating both a drug & a device component) is expected to be the highest growth segment of the medical products industry and TYRX is positioned to be an innovative applications leader in the space.

For more information, please visit www.TYRX.com.

Gould et al. Complications associated with implantable cardioverter-defibrillator replacement in response to device advisories. *JAMA* 2006;295; 1907.

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