

## **Biomedical Systems Introduces Long-Term ECG Monitoring to Diagnose Atrial Fibrillation**

The Associated Press

Biomedical Systems, a global provider of cardiac diagnostic services and products, has introduced the TruVue® Wireless Ambulatory ECG Monitoring System for the diagnosis and management of atrial fibrillation and other complex cardiac arrhythmia. TruVue's diagnostic benefits include the ability to: record and wirelessly transmit every heartbeat for up to 30 days; perform advanced arrhythmia analysis; and to provide immediate online access to all transmitted ECG.

(Photo: <http://photos.prnewswire.com/prnh/20120319/CG71845>) TruVue offers electrophysiologists and cardiologists the advantages of both a Holter and cardiac event monitor in one device. Biomedical Systems developed the TruVue system in response to physicians' need for a long-term ECG monitoring device to diagnose symptoms suggestive of cardiac arrhythmia as well as manage the treatment of patients with atrial fibrillation. The patented technology employs cellular communication to transmit recordings of every heartbeat to Biomedical Systems' secure servers. The system's algorithms analyze the incoming data for changes in morphology, rate or rhythm, in addition to patient-triggered alerts when symptoms are experienced. Certified cardiac technicians validate the findings, post reports in real-time and alert physicians based on cardiac events or notification criteria. At any time, physicians can access information online, including any portion of the recorded ECG monitoring and trend reports detailing 24-hour heart-rate and rhythm abnormalities, including atrial fibrillation.

"TruVue expedites the diagnoses of patients who may have cardiac arrhythmia, including atrial fibrillation, by delivering the most comprehensive long-term view of the heart rhythm," said Jim Ott, Biomedical Systems' cardiology division president. "With TruVue, we provide physicians with the unique ability to review every heartbeat for up to 30 days-combining both algorithm-triggered ECG-recordings and episodes recorded by patients-and immediately access information online without working through support staff." TruVue has received both its 510(k) clearance from the U.S. Food and Drug Administration and its CE Mark for international sales.

Biomedical Systems' Cardiology Division has employed TruVue since 2010, conducting thousands of ECG wireless telemetry procedures.

Currently, pharmaceutical and medical device companies are also employing TruVue to assess the cardiovascular safety and efficacy associated with new drugs and devices. In pharmaceutical clinical trials, for example, TruVue's heart monitoring capabilities support the efficient and accurate capture of valid data during Phase 1 to IV clinical studies or in post-marketing surveys.

About Atrial Fibrillation (AFib or AF) According to the American Heart Association

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(AHA), [www.heart.org](http://www.heart.org), an estimated 2.7 million Americans are living with atrial fibrillation. The AHA describes AFib as a "quivering or irregular heartbeat (arrhythmia) that can lead to stroke and other heart-related complications." AFib is considered the leading preventable cause of stroke and costs the health care system \$26 billion each year. Accurate heart monitoring and improved diagnosis of AFib is critical for avoiding stroke and other health complications.

About Biomedical Systems [www.biomedsys.com](http://www.biomedsys.com) Since 1975, Biomedical Systems has provided cardiologists, clinics and hospitals with ambulatory ECG monitoring solutions and non-invasive cardiac diagnostic services. Biomedical also offers Holter monitoring with data exchange for transfer, review, and management of cardiac data; cardiac event monitoring with ReportWeb for immediate access to CEM reports; and the Century Series Holter Analysis System and SoftwareT System.

SOURCE Biomedical Systems -0- 03/19/2012 /CONTACT: Cheri Winchester, +1-636-262-8313 cell, [cwinchester@commongroundpr.com](mailto:cwinchester@commongroundpr.com), for Biomedical Systems /Photo: <http://photos.prnewswire.com/prnh/20120319/CG71845> AP PhotoExpress Network: PRN1 PRN Photo Desk, [photodesk@prnewswire.com](mailto:photodesk@prnewswire.com) /Web Site: <http://www.biomedsys.com> CO: Biomedical Systems ST: Missouri IN: HEA MEQ SU: PDT PRN -- CG71845 -- 0000 03/19/2012 12:05:00 EDT <http://www.prnewswire.com>

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