

MEDIA CONTACT:

Nicole Dicks
SS|PR
(847) 415 - 9312
ndicks@sspr.com

Diagnosoft's Strain-Encoding Imaging Provides More Accurate Analysis of Cardiac MRI with One-Step Image Processing

Next-Generation SENC Image Processing Technology Reveals Variations in Regional Myocardial Activity to Enable More Precise Diagnosis, Quantitative Assessment and Quick Results Ideally Suited for Pediatric Patients

RSNA 2009, Chicago and Cary, NC (November 29, 2009) – Cardiologists and cardiac radiologists now have a more advanced image processing technology at their fingertips to help improve the level of quality, detail and accuracy of cardiac MRI images. [Diagnosoft SENC](#), a new strain-encoding MRI processing technique, enables physicians to precisely assess regional function of the heart, measure mechanical dyssynchrony, achieve a consistent and objective diagnosis and accurately measure the effectiveness of treatment therapy to ensure greater success in treating cardiovascular disease in patients of all ages.

Developed by Diagnosoft®, Inc., a pioneer in the development of MRI analysis software for the diagnosis, staging and therapeutic monitoring of cardiovascular disease, Diagnosoft SENC precisely measures the muscle strain (contraction and relaxation) of the myocardium throughout the heart.

“By precisely measuring and analyzing strain on the myocardium, Diagnosoft SENC dramatically enhances the quality of MRI analysis to provide an incredible level of detail to help physicians determine the degree and the exact location of the dysfunction of the heart,” said Firas BenAchour, President and CEO of Diagnosoft. “This allows physicians to arrive at more accurate diagnoses and monitor the efficiency of intervention therapies at various stages to improve the quality of care for their patients.”

Simple Procedure is Easy on Pediatric Patients

Diagnosoft SENC uses a special pulse sequence to acquire images in a split second, which means that patients are free to breathe normally, instead of holding their breath. Because of this, Diagnosoft SENC is ideally suited for pediatric patients and for use in conjunction with stress tests and other diagnostic procedures that require normal breathing. Results from SENC can be produced quickly, easily and automatically in a single step, with minimal user interaction, to streamline image processing and assessment. This allows more time for direct patient care.

“Diagnosoft SENC technology provides a more efficient and flexible tool for physicians to save time and improve their productivity,” BenAchour said. “By automating the image capture and analysis process, Diagnosoft SENC allows more time to spend with their patients and deliver a better quality of care.”

For more information or to see a demo of Diagnosoft SENC, visit Lakeside Center Booth 408 during RSNA 2009 at Chicago's McCormick Place Nov. 29 – Dec. 4 or visit www.dianosoft.com.

About Diagnosoft

Diagnosoft, Inc., based in North Carolina, is a privately held company specializing in image analysis software that assists in the diagnosis, staging and therapeutic monitoring of cardiovascular disease. One of its products, Diagnosoft HARP®, is distinguished as the first FDA 510k-Cleared software designed for the analysis of tagged magnetic resonance images. The company is focused on improving physician workflow, quantifying decision-making, and enhancing research and drug development advances. Company founders Dr. Nael Osman and Dr. Jerry Prince developed HARP technology at Johns Hopkins University (JHU), where they are faculty members. Dr. Matthias Stuber, a company founder who is also on the JHU faculty, brings additional insight and imaging expertise to Diagnosoft. For more information, visit www.dianosoft.com

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