



PRESS RELEASE  
FOR IMMEDIATE RELEASE

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**EPSILON IMAGING UNVEILS ECHOINSIGHT® VISUALIZATION AND ANALYSIS WITH EXPANDED, AUTOMATED MEASUREMENT SUITE FOR IMPROVED QUALITY, STANDARDIZATION AND EFFICIENCY IN ECHOCARDIOGRAPHY**

***Study Presented at ACC 2014 Scientific Sessions Demonstrates Free Wall Strain Imaging as an Improved Index When Compared to TAPSE and S' for Evaluation of RV Function***

Washington, DC, March 31, 2014 – Epsilon Imaging, Inc., a visualization and analysis software provider transforming cardiac diagnostic quality and workflow, today announced it has expanded its EchoInsight automated measurement suite for improved analysis and interpretation in echo. Based on the ASE guidelines, this expanded feature suite includes automated linear, area and volumetric measurements designed to save time and improve standardization in echo analysis. Developed specifically for the clinical environment, EchoInsight is vendor-neutral and now includes an automated measurement suite, practical application-specific strain imaging, and rapid study comparison and trending for comprehensive assessment and patient monitoring in echo. The Company is showcasing EchoInsight at the Walter E. Washington Convention Center (Booth 2009).

At ACC 2014, Dr. Roberto Lang, et al. from the University of Chicago Medicine presented “Right Ventricular (RV) Free Wall Strain - A Better Index of Right Ventricular Performance than TAPSE and Doppler Tissue Velocity?” The study analyzed 158 patients who had both cardiac MRI and a 2D echo within 1.5±3 days. RV Ejection Fraction was measured using cardiac MRI – the gold standard. Tricuspid annular peak systolic excursion (TAPSE), tricuspid lateral annular systolic velocity (S’), and free wall longitudinal strain were measured with echo. EchoInsight was used in this study for strain analysis. The study demonstrated strain has a higher correlation to the gold standard (MRI EF) over TAPSE and S’, suggesting strain to be an improved index for assessing RV function with echo.

“EchoInsight offers quick and reliable visualization and analysis with practical strain imaging for function assessment and comparison over time,” said Roberto Lang, MD, University of Chicago Medicine. “Our study demonstrates the utility of strain imaging when assessing RV function in 2D imaging. EchoInsight brings robust and intuitive tissue motion analysis along with automated measurements to clinical practice. This added quantitative data in a practical solution can assist clinicians by improving confidence in interpretation when conducting 2D echocardiography.”

**Maximizing Workflow in Analysis and Interpretation – The EchoInsight Application Suite**

By assisting clinicians to quickly and easily integrate strain imaging into the clinical environment, EchoInsight enables improved analysis and interpretation of studies. EchoInsight provides intuitive features and clinically-specific applications with straightforward information to improve confidence in echo assessment. The platform offers customized integration to healthcare IT as a DICOM compliant platform, along with premier customer support.

Standard features include automated processing, rapid review and study comparison, efficient endocardial border tracing, intuitive visualization and analysis, click-of-a-button wall motion assessment, automated measurement suite based on guidelines and concise, visual-based reporting with PACS archival ability.



**Clinical applications include:**

- ***Echolnsight for Stress Echo*** with rapid rest-stress study comparison, and global and regional wall and chamber function analysis based on strain and Ejection Fraction (EF).
- ***Echolnsight for Cardio Oncology*** with rapid serial study comparison, and global and regional longitudinal strain and EF trending with percent change from baseline.
- ***Echolnsight for RV*** with rapid serial comparison, global and regional longitudinal strain and Fractional Area Change (FAC) analysis and trending, and Tricuspid Annular Plane Systolic Excursion (TAPSE) and S' measurements.

Attend an educational webinar, "Enhancing Assessment of the Right Ventricle with Strain Imaging," on April 29, 2014 at 12:00-1:00 PM EDT. To register, visit <https://attendee.gotowebinar.com/register/2956035169564238594>.

**About Epsilon Imaging**

As a provider of workflow enhancing solutions for cardiology, Epsilon Imaging is transforming cardiac diagnostic workflow with a vendor neutral suite of software applications designed for echocardiography. Echolnsight provides a suite of clinical applications for visualization and analysis using practical strain imaging. Applications assist clinicians to enhance, standardize, and streamline interpretation and reporting of echo studies. Initial applications include cardio oncology, RV and stress echo. Learn more by visiting [epsilon-imaging.com](http://epsilon-imaging.com).

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