Meeting Today's Challenges in Cardiovascular Patient Management and Healthcare

Research, guidelines and clinical use, along with a reimbursable CPT code, indicate the valuable benefits speckle tracking strain imaging brings to echocardiography and improved patient management. Strain imaging standardizes analysis and interpretation, while improving diagnostic assessment and assisting to better monitor patients over time to optimize care.

Additionally, strain imaging is a much more predictive and less variable measurement than traditional gold standard measurements, making it increasingly important. Although strain imaging has proven to be valuable in the assessment and management of patients with echo, until now, diagnostic software solutions with strain imaging have been research-oriented, laborious and workflow inefficient in clinical practice.

Creating a New Standard in Patient Management With EchoInsight Visualization and Analysis

By delivering valuable echocardiographic analysis tools designed to transform patient management, EchoInsight with strain imaging is improving diagnostic confidence, standardization and efficiency. Designed for the clinical environment, EchoInsight visualization and analysis meets today’s clinical needs and healthcare system challenges.
EcholInsight visualization and analysis provides:

- Clinical strain imaging for improved confidence in assessment and monitoring of wall mechanics for the entire heart
- Applications based on guidelines: LV, LV Contrast, RV, Full Heart and Stress Echo
- Automated cardiac function measurements based on ASE guidelines improve efficiency and standardization
- Easy to use features and clinical applications for fast analysis
- Rapid study comparison and trending capabilities for comprehensive assessment and monitoring of patient
- Available as a stand-alone workstation or client-server architecture with concurrent user licensing
- Study Authorization Management enabling user authentication providing an audit trail within EcholInsight
- DICOM structured reporting integration with HIT for streamlined patient and population management
  - Export of EcholInsight processed clips as DICOM-wrapped mpegs to PACS (for review without EcholInsight)
- Vendor neutral platform
- Data extraction tool for streamlined and customizable output that can be used for research purposes
- Premier consultative customer support

EcholInsight Clinical Application Suite

The EcholInsight clinical suite of applications is designed specifically for managing a wide variety of indications across your echocardiography program. EcholInsight clinical applications seamlessly and easily integrate the value that strain imaging, automation of measurements and trending patients over time can bring to your patient management program. Additionally, EcholInsight offers robust and flexible features for exploratory research projects.

EcholInsight Left Ventricle

- Serial study comparison protocol
- Global and regional wall and chamber function analysis, and trending with percent change of baseline
- Longitudinal, radial and circumferential strain imaging based on view type
- Automated volumes, EF and linear measurements based on ASE guidelines
- Single and comparative bullseye diagrams

EcholInsight Left Ventricle Contrast

- Serial study comparison protocol
- Global longitudinal strain imaging
- Customized editing function tools tailored to contrast-enhanced studies
- Single and comparative bullseye diagrams
**EchoInsight Right Ventricle**

- Serial study comparison protocol
- Free wall and regional wall and chamber function analysis, and trending with percent change of baseline
- Longitudinal strain imaging
- Automated areas, FAC, TAPSE, S’ and linear measurements based on ASE guidelines

**EchoInsight Stress Echo**

- Rest-stress study comparison
- Global and regional wall and chamber function analysis
- Longitudinal strain imaging
- Click-of-a-button wall motion scoring based on recognized standards

**EchoInsight Full Heart**

- Serial study comparison protocol
- Simultaneous analysis of up to all 4-chambers
- Includes LV & RV applications, and adds new atrial applications
- Adds reservoir, contraction and conduit strain for atria assessment
- Global and regional wall and chamber function analysis, and trending with percent change of baseline
- Longitudinal, radial and circumferential strain imaging based on view type
- Automated cardiac function measurements, including:
  - Volumes, EF and linear measurements for LV
  - Areas, FAC, TAPSE, S’ and linear measurements for RV
  - Volumes, EF and linear measurements for LA
  - Volumes, EF and linear measurements for RA
- Single and comparative bullseye diagrams for LV protocol

**About Epsilon Imaging**

As a provider of workflow enhancing visualization and analysis solutions for cardiology, Epsilon Imaging is transforming cardiac diagnostic workflow with a vendor neutral suite of software applications for echocardiography. EchoInsight assists clinicians with innovative visualization and analysis technologies that enhance, standardize, and streamline analysis, interpretation and trending with echo.

Epsilon Imaging offers premier customer support with EchoInsight. The Epsilon Imaging Customer Support Team is comprised of expert technical and clinical specialists that offer rapid and proactive service and training. Echocardiography strain-imaging program consultation is also available. Epsilon Imaging strives to achieve the highest level of satisfaction by partnering with customers to improve efficiency and standardization within their echo programs.
EcholInsight Workflow Configurations

EcholInsight Zero Footprint
EcholInsight ZF offers users an integrated, zero footprint solution to enable a seamless and highly efficient workflow allowing users to read from any workstation or device with a web-browser. This solution provides improved IT support/management with reduced memory and processing power requirements for client workstations. EcholInsight ZF is designed for small to large echo programs, and is scalable to a program’s needs.

EcholInsight Pro
EcholInsight Pro Designed with a client-server architecture, EcholInsight Pro delivers to EcholInsight users a fast, streamlined workflow across network for improved efficiency in a growing clinical echo practice. With a robust centralized server, EcholInsight Pro provides ease of access for multiple users and the capability to scale as your practice grows.

EcholInsight Stand-Alone
EcholInsight Stand-alone delivers to EcholInsight users an efficient workflow designed for research programs.

Learn more about the benefits of integrating EcholInsight into your lab, schedule a demo, call 734.369.5100 or visit www.epsilon-imaging.com.