EchoInsight®

ZERO FOOTPRINT

Transform Cardiovascular Care

Trusted, AI-enabled echo chamber quantification with speckle-tracking strain imaging

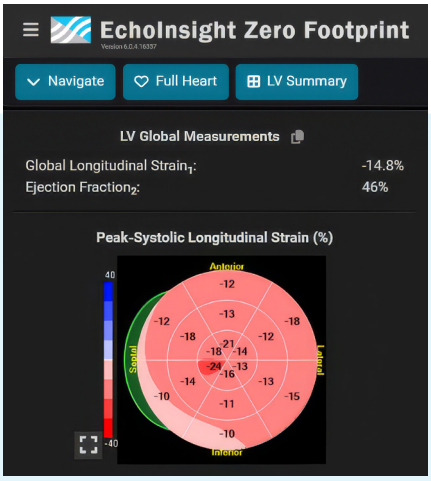
EPSILON IMAGING®

Meet Today's Cardiovascular Care Challenges

Clinical guidelines, broader adoption, and reimbursable CPT coding reinforce the role of speckle-tracking strain imaging in echocardiography and patient management. Compared with traditional measurements, strain imaging can be more predictive and less variable. It also:

- Standardizes analysis and interpretation
- Strengthens diagnostic assessment
- Supports consistent monitoring of cardiovascular function over time

Yet many laboratories still limit strain analysis to the ultrasound cart, or do not use it clinically, constraining access, efficiency, and scalability.

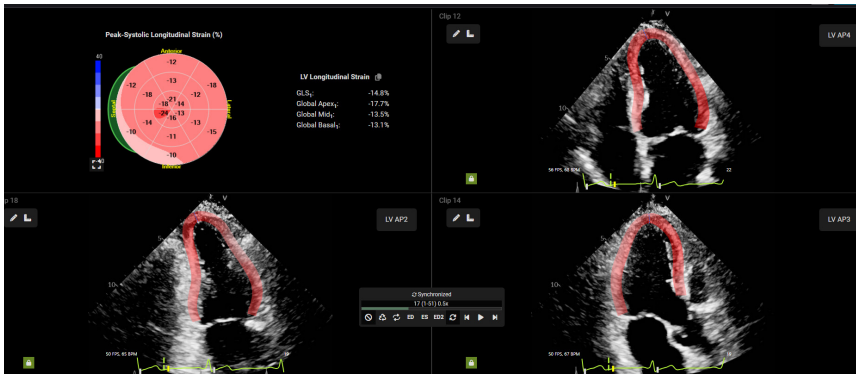


Broaden Access to Echo Chamber Quantification with EchoInsight ZF

EchoInsight® ZERO FOOTPRINT

FDA-approved EchoInsight ZF is a vendor-neutral, browser-based software platform designed for offline, integrated analysis. As an AI-enabled platform, EchoInsight ZF automates full-heart speckle-tracking strain imaging and cardiac function analysis to support both clinical and research applications.

EchoInsight ZF: Echo Chamber Quantification



EchoInsight enables clinicians to focus more fully on patient care by enhancing study analysis and interpretation while improving workflow efficiency and resource management. An integrated, vendor-neutral offline platform, EchoInsight simplifies the adoption of advanced echocardiographic analysis, including strain imaging, into routine clinical practice.

Why Leading Institutions Choose EchoInsight

Clinical Confidence

- **Clinically validated precision:** Chamber quantification supported by more than 100 research studies and peer-reviewed publications.
- **Standards leadership:** Developed by a founding industry member of the EACVI/ASE Strain Standardization Task Force.

Workflow Efficiency

- **Faster, more consistent analysis:** AI-enabled, advanced echo analysis and echo-view labeling help reduce manual effort and improve consistency.
- **Standardized analysis:** Vendor-neutral functionality supports analysis across DICOM sources, including retrospective studies.

Operational Simplicity

- **Simplified deployment:** A one-server implementation eliminates individual workstation installations and simplifies ongoing maintenance.
- **Flexible licensing:** Scalable licensing aligns access with team needs while supporting cost control.

Enterprise Compatibility and Value

- **Vendor-neutral interoperability:** Integrates with major ultrasound systems and CVIS platforms to support existing imaging environments.
- **Stronger financial performance:** Standardized reporting supports reimbursable myocardial strain imaging, with ROI often achieved in up to 6 months..
- **Proven adoption:** Used by leading hospitals and core laboratories worldwide.

EchoInsight Follows Evidence-Based Guidance

In 2025, the American Society of Echocardiography published *Clinical Applications of Strain Echocardiography*, providing evidence-based guidance for reimbursable applications, including:

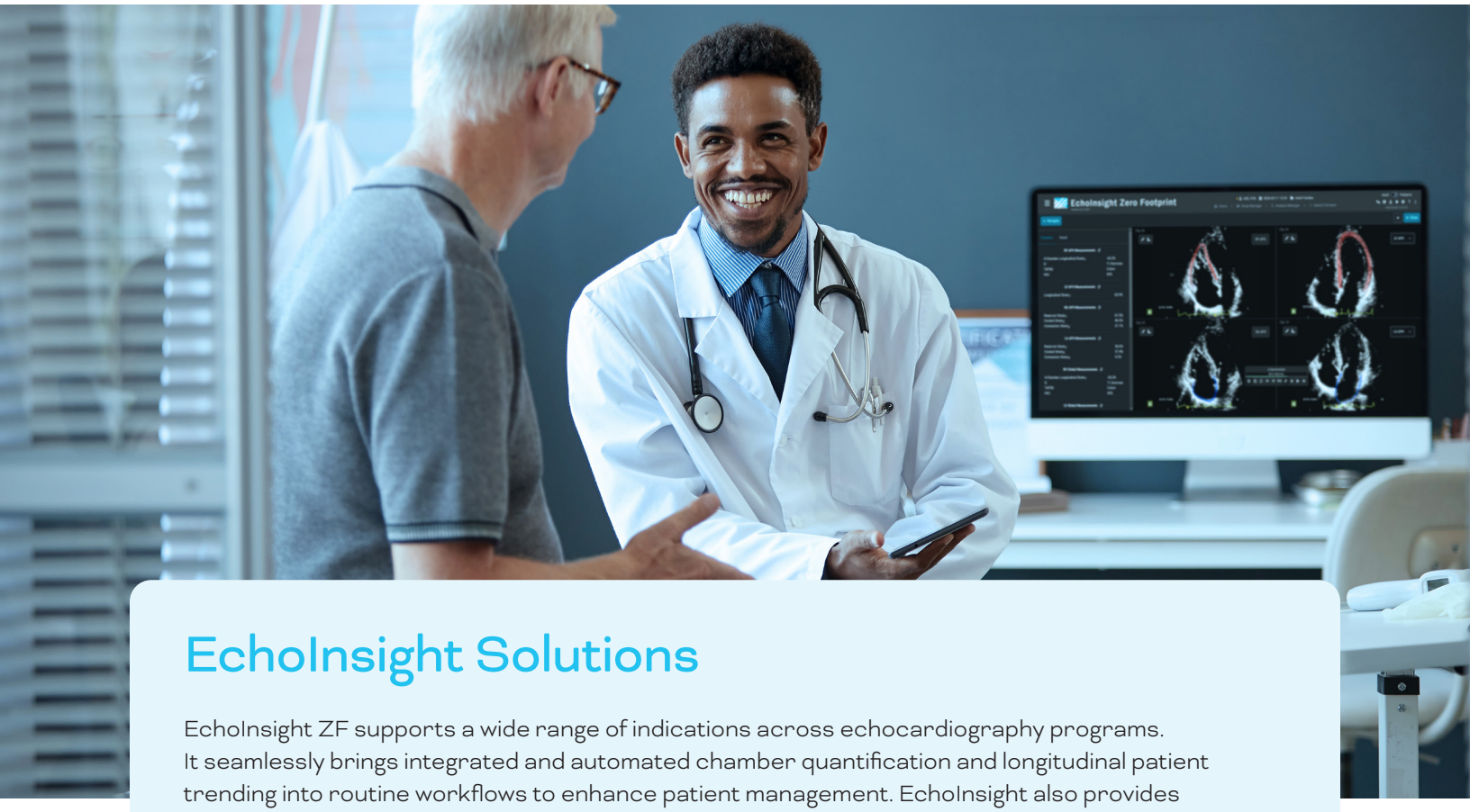
- Heart failure and ventricular dysfunction
- Cardio-oncology
- Valvular and congenital heart disease
- Right ventricular and left atrial function

EchoInsight software incorporates these recommendations for its strain imaging analysis, and ASE chamber quantification guidance for automated volumetric, area and linear measurements, and more.

EchoInsight Enables Reimbursement

In the United States, myocardial strain imaging may be billed under CPT 93356, an add-on code generally reimbursed by Medicare and many private insurers.

EchoInsight ZF can often achieve full return on investment within 6 months..



EchoInsight Solutions

EchoInsight ZF supports a wide range of indications across echocardiography programs. It seamlessly brings integrated and automated chamber quantification and longitudinal patient trending into routine workflows to enhance patient management. EchoInsight also provides robust, flexible capabilities for exploratory research.

Now with **AutoAssist**™ for Automated, AI-enabled Full-Heart Quantification

Over **100** Cardiac Function Measurements in **Seconds**

Integrated Tools for Comprehensive Chamber Assessment

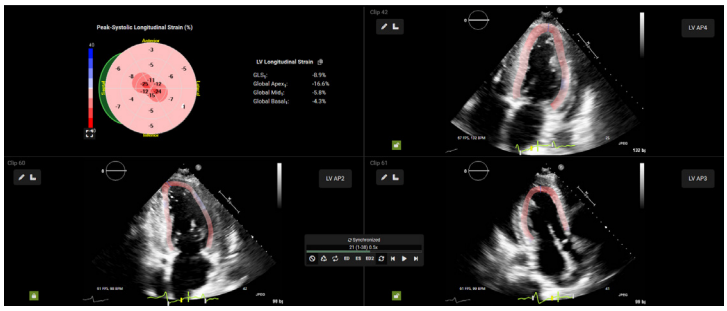
- **Chamber-specific quantification:** Provides flexible, targeted assessment of the LV, RV, LA, and/or RA so clinicians can focus analysis on the chambers most relevant to the patient's clinical question.
- **Integrated multi-chamber analysis:** Enables a more comprehensive view of cardiac function by assessing strain and functional relationships across multiple chambers within a unified workflow.
- **Automated LV analysis:** Improves efficiency and consistency in left ventricular assessment by automating global and regional strain analysis, key linear and volumetric measurements, Bull's-Eye visualization, and Simpson's Bi-plane ejection fraction.
- **Automated RV analysis:** Supports confident right ventricular evaluation by automating free-wall, global, and regional longitudinal strain analysis along with area, fractional area change, TAPSE, S′, and linear measurements.
- **Automated LA analysis:** Enhances left atrial assessment by automating global longitudinal strain analysis, linear and volumetric measurements, and Simpson's Bi-plane ejection fraction to support consistent interpretation.
- **Standardized automation:** Reduces manual effort and promotes reproducibility by using AutoAssist to streamline echo clip labeling and region-of-interest placement.
- **Optional longitudinal comparison:** Facilitates more informed serial assessment by enabling side-by-side study review and trend visualization through the Comparison Dashboard.

EchoInsight Portfolio

Purpose-built chamber quantification solutions designed to elevate workflow, confidence, and patient-centered cardiac care.

Packages Include	Benefits

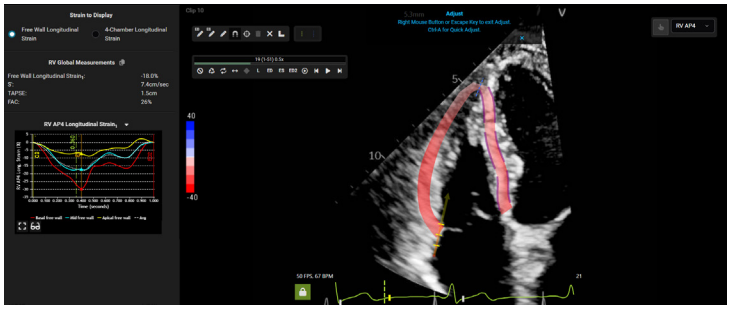
Auto LV



Ideal for centers beginning or expanding strain imaging

- **Make strain imaging more accessible** with automated LV analysis designed for efficient adoption.
- **Deliver meaningful cardiac insights** through longitudinal, circumferential, and radial strain assessment.
- **Strengthen reporting confidence** with Bull's-Eye visualization and Simpson's Bi-plane ejection fraction support.

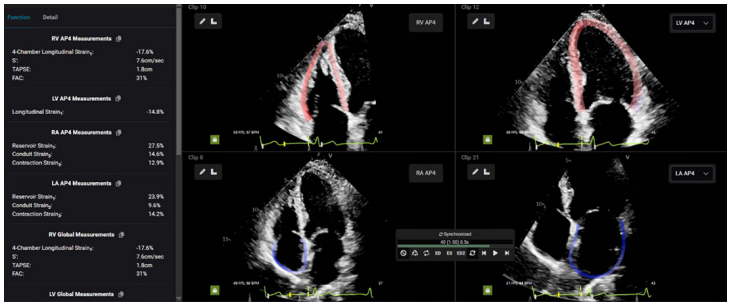
Adult Clinical



Built for high-volume echo labs focused on workflow efficiency

- **Improve day-to-day efficiency** with automated LV and RV analysis that supports consistent clinical output.
- **Streamline routine workflows** using AutoAssist™ for echo clip labeling and region-of-interest placement.
- **Support longitudinal care** with optional serial comparison to review trends and progression over time.

Adult Advanced Clinical

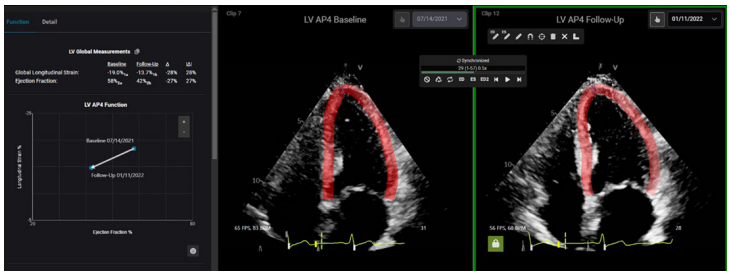


Designed for advanced programs, academic centers, and forward-looking clinical teams

- **Advance cardiac assessment** with comprehensive LV, RV, LA, and RA quantification in one powerful platform.
- **Gain a broader clinical perspective** by evaluating chamber relationships through strain imaging and functional measures.
- **Differentiate your program** with advanced capabilities that support innovation, confidence, and elevated patient care.

Packages Include | **Benefits**

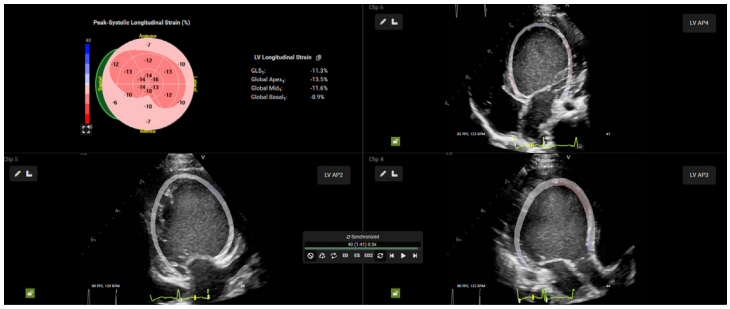
Cardio-oncology



Purpose-built for oncology imaging programs monitoring cardiac function over time

- **Enhance cardio-oncology surveillance** with focused tools for tracking LV function and strain throughout therapy.
- **Reveal subtle functional change** with strain insights that support proactive clinical review during cancer treatment.
- **Visualize patient progression** through side-by-side serial study comparison and trend-focused dashboards.

Pediatric Advanced Clinical



Tailored for pediatric and congenital imaging needs

- **Address pediatric complexity** with Z-score integration tailored to body surface area.
- **Support advanced pediatric assessment** with LV, RV, LA, and RA quantification across diverse care scenarios.
- **Enable size-normalized confidence** with tools designed to align cardiac insights with pediatric-specific interpretation.

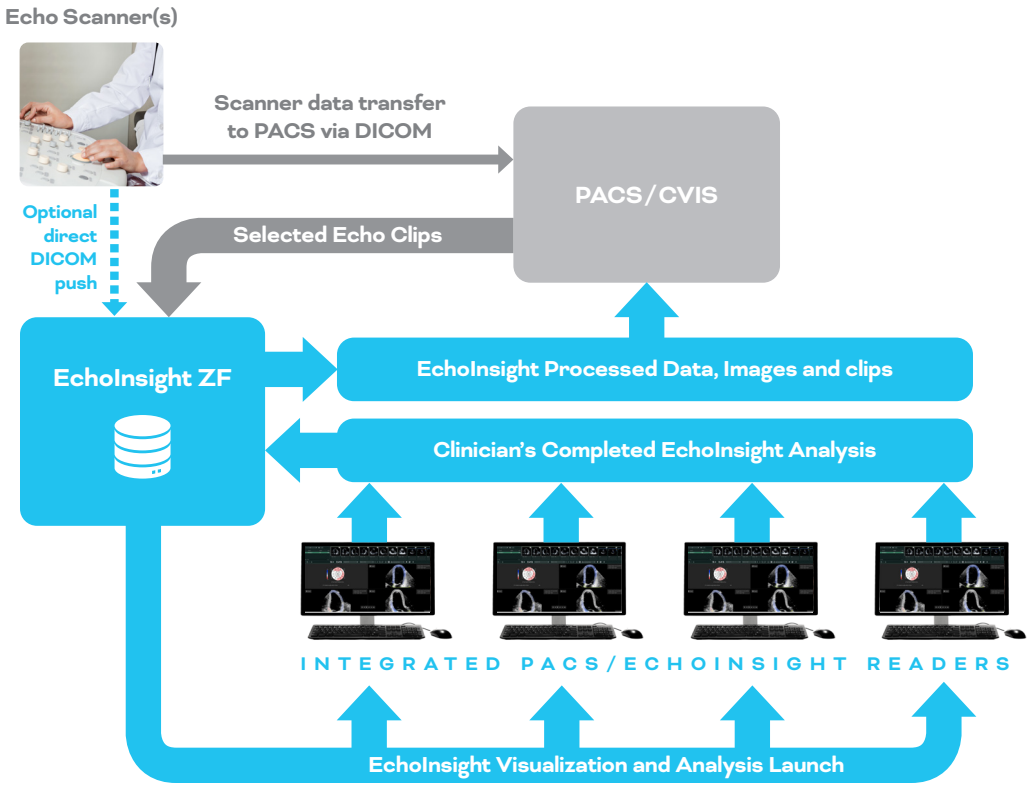
Features by Package

Feature	Auto LV	Adult Clinical	Adult Advanced Clinical	Cardio-oncology	Pediatric Advanced Clinical
AutoAssist™ workflow automation	•	•	•	•	
Automated LV analysis	•	•	•	•	
Automated RV analysis		•	•	•	
Automated LA analysis			•	•	
Circumferential and radial strain	•	•	•	•	•
Integrated automated chamber quantification measurements	•	•	•	•	•
Bull's-Eye diagram	•	•	•	•	•
Simpson's Bi-plane EF	•	•	•	•	•
Chamber-specific quantification			•	•	•
Integrated multi-chamber analysis			•	•	•
Pediatric Z-score integration					•
Bullet EF					•
Longitudinal Comparison Dashboard	Optional	Optional	Optional	•	Optional

Seamless Workflow for Any Size Program

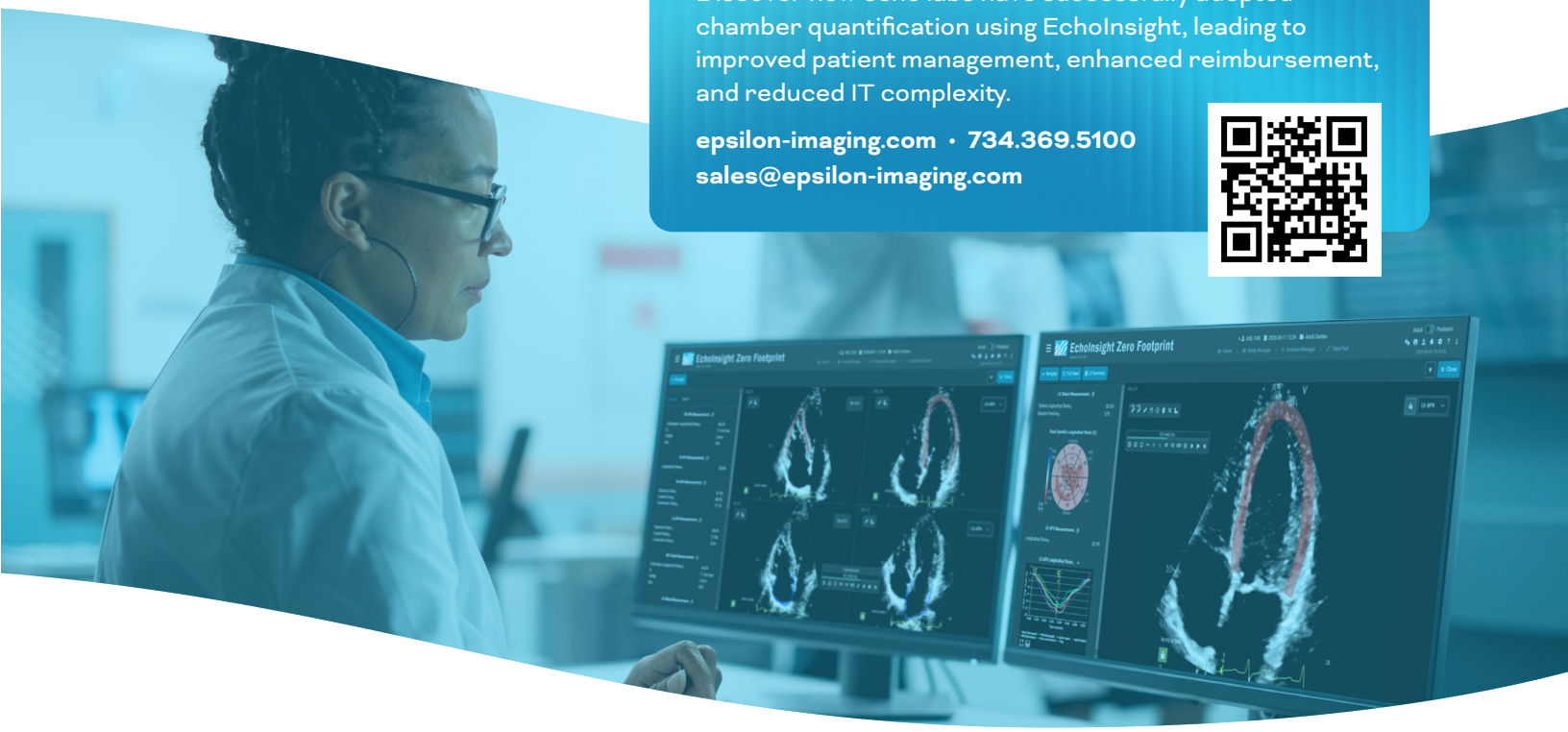
EchoInsight ZF offers users an integrated, zero footprint solution to enable a seamless and highly efficient workflow allowing users to read from any workstation or device with a web-browser.

The EchoInsight ZF License and Software provides improved IT support/management with reduced memory and processing power requirements, along with no EchoInsight maintenance, for client workstations.



Discover how echo labs have successfully adopted chamber quantification using EchoInsight, leading to improved patient management, enhanced reimbursement, and reduced IT complexity.

epsilon-imaging.com • 734.369.5100
sales@epsilon-imaging.com



Our Vision

Epsilon Imaging develops chamber quantification solutions centered on speckle-tracking strain imaging, helping clinicians stay focused on the patient through more efficient analysis, streamlined workflows, and stronger economic value. Our aim is to deliver fast, reliable echo intelligence that enables quicker, more confident clinical decisions.

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Epsilon Imaging
333 Jackson Plaza, Suite 100
Ann Arbor, MI 48103

epsilon-imaging.com

Information: info@epsilon-imaging.com
Sales: sales@epsilon-imaging.com
Support: service@epsilon-imaging.com

Tel: 734.369.5100 Fax: 734.369.5120

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