



Rapid Echocardiography Analysis

EchoGo Cloud AI



EchoGo

ultronomics.com



Next Generation Analysis

Cloud is here to stay

- Artificial intelligence has the potential to improve patient outcomes and ease busy workloads.
- At Ultromics, we are dedicated to delivering AI-powered analysis to empower clinicians to do their best work by freeing up their time and supporting the best care decisions for patients.
- Trusted by the NHS and Mayo Clinic, EchoGo is a first-of-its-kind Cloud AI Service which automates complex cardiovascular analysis in the cloud with greater speed and accuracy, whilst also reducing the level of variability.

More than just software



Zero click AI-powered service



- EchoGo is a full service providing remote AI analysis, 24/7 support, quality control, class-leading security standards (ISO 27001), and continuous platform improvement.
- Direct access to EchoGo's powerful algorithm for high precision analysis, built with over 5 billion data points in one of the largest ongoing echo studies of its kind.
- Analysis runs in the cloud and delivers results to you as part of your current clinical workflow, with no additional effort from staff.



Fully Managed Service

Highly optimized workflow with zero click interface



Latest AI

Stays up to date without the need to manually upgrade



Rapid Implementation

Single connectivity point allows analysis everywhere



Pay for what you use

Flexible options to align with your practices needs



Regulatory Protection

Highest data security and quality control



Vendor Neutral

Use on all PACS with any ultrasound device

EchoGo's AI Workflow



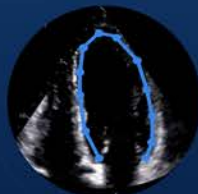
Start to finish in a matter of minutes

1 Acquire

Data is automatically de-identified and sent to EchoGo's cloud.



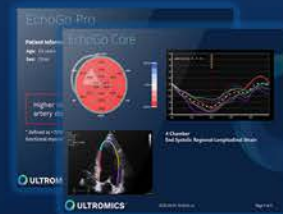
Auto View Detection



Auto Contours



Auto Cycle Extraction



Report Automated

2 Automate

The AI algorithm automates labelling views, draws endocardial contours, and extracts appropriate diastolic and systolic frames.



3 Analyze

Report sent to site and appended to the original study to support clinical decisions.

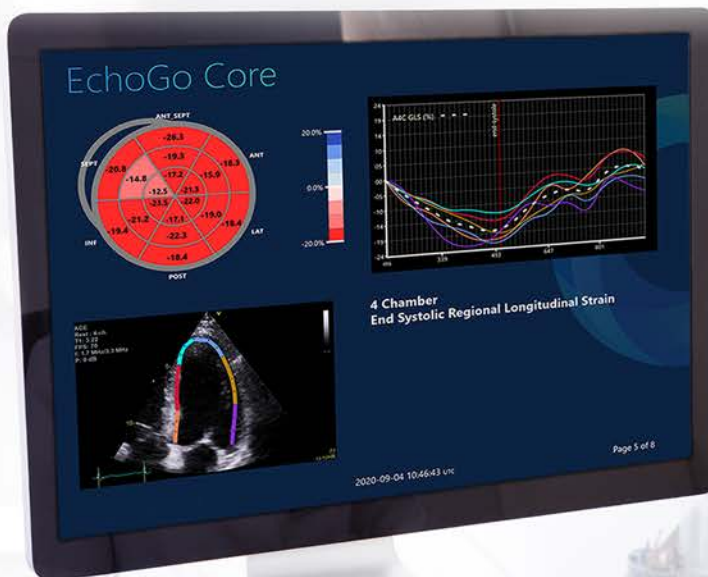
Automated Systolic Function, with Strain



EchoGo
CORE

EchoGo Core delivers rapid quantification of the left ventricle, including Strain and Ejection Fraction.

The system uses artificial intelligence to automate analysis in the cloud as part of a service to support clinical decisions.



Rapid Analysis

Delivered within minutes, saving time



Zero Click

Eliminates the burden of using software



Zero Variability

Full automation ensures accuracy in analysis



Vendor Neutral

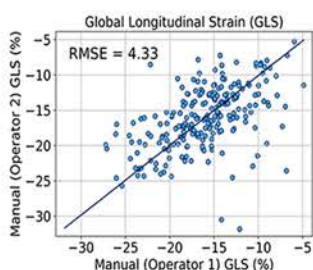
Supports any vendor with fast, seamless set-up



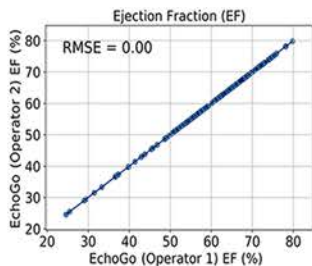
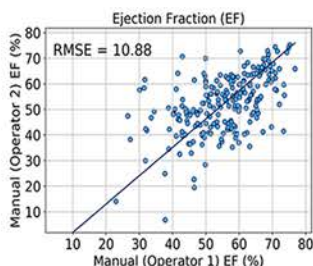
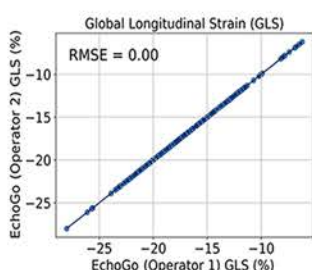
Reimbursable

Clinicians in the U.S. can bill & report Strain

Competitor (Semi Automated)



EchoGo (Fully Automated)



Eliminates variability when compared to competitors

EchoGo Core was assessed by trained BSE accredited echocardiographers, against other commercially available software that required manual operation and contouring.

EchoGo Core was shown to provide accurate and robust measurements of EF, GLS and LV volumes.

Automated risk analysis for Coronary Artery Disease



EchoGo
PRO

EchoGo Pro is a stress module of the EchoGo suite, which serves as a decision support tool for physicians by assessing the current risk of CAD with greater sensitivity.

The system identifies heart disease risk quickly and accurately to enable earlier prevention and reduce misdiagnosis.



Empowers Clinicians

Full automation ensures accuracy and eliminates variability



Earlier Prevention

Supports detection of early signs of the disease, so heart attacks can be prevented



Reduces Misdiagnosis

At-risk individuals can be treated quickly – and those not at risk spared from unneeded tests & treatment



Seamless Workflow

Zero-click workflow with fast and easy set-up

Performance over 90%

EchoGo Pro was tested on an independent data set and achieved a performance evaluation of over 90% (AUROC). Clinicians were able to significantly reduce the number of misdiagnoses, which on average occur 1 in 5 times, compared to reports of routine clinical practice. EchoGo Pro leverages AI to spot thousands of features, compared to just a handful of indicators in traditional visual inspection.

Connect with us

Book a demo
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ultromics.com
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Ultromics is a global health technology firm using AI to empower physicians with fast, accurate decisions when diagnosing cardiovascular disease.

We have developed EchoGo, the world's first autonomous echocardiography service which delivers cardiac imaging diagnosis through the cloud, without any variability or need to manage software on site.

Our technology was born at the University of Oxford and built in partnership with the NHS, and has since raised over £20 million to help hospitals implement tools to improve patient care, diagnostic quality and save resources.

Cardiovascular disease is the leading cause of mortality, with an estimated 17.9 million¹ deaths each year.

For more information visit: www.ultromics.com



EchoGo Core is FDA-cleared for use in the United States, not CE Marked for use in the European Union. Regional strain plots are investigational and pending letter to file. EchoGo Pro is CE Marked for use in the European Union, not FDA-cleared for use in the United States.

1. <https://www.who.int/health-topics/cardiovascular-diseases>