



Rigorously tested. Clinically validated. Peer-reviewed.

Publications:

The Use of Artificial Intelligence Guidance for Rheumatic Heart Disease Screening by Novices ▶

[JASE 2023](#)
March 9, 2023

The Use of Artificial Intelligence Guidance for Rheumatic Heart Disease Screening by Novices ▶

[AHA Scientific Sessions 2022](#)
October 30, 2022

Machine Learning for Detection of Presence and Severity of Aortic Stenosis From B-mode Ultrasound Images: Results of a Blinded Clinical Trial ▶

[AHA Scientific Sessions 2022](#)
October 30, 2022

Initial Experience With Artificial Intelligence-Guided Echocardiography Acquisition in Rural America: Implementation and Quality Assessment ▶

[AHA Scientific Sessions 2022](#)
October 30, 2022

Feasibility of Automated Quantification of Left Ventricular Function in Cancer Patients by Nurses Using Artificial Intelligence Guided Transthoracic Imaging ▶

[ASE Scientific Sessions 2022](#)
June 13, 2022

Utility of a Machine Learning Algorithm to Increase Physician Trainee Confidence In and Usage of Point-of-care Echocardiography ▶

[ACC Scientific Sessions 2022](#)
April 2, 2022

Home Cardiac Surveillance with Artificial Intelligence Digital Patient Monitoring During Treatment with Pertuzumab, Trastuzumab and Hyaluronidase-Zzxf For Her2-Positive Breast Cancer (Harriet): Study Design and Rationale ▶

[ACC Scientific Sessions 2022](#)
March 8, 2022

Performance of artificial intelligence system for prescriptive acquisition guidance of transthoracic echocardiography by novice users combined with automated quantification of ejection fraction ▶

[EACVI EUROECHO 2021](#)
December 9, 2021

Real world evaluation of artificial intelligence echocardiography image guidance and acquisition with novice scanners in multiple clinical settings ▶

[EACVI EUROECHO 2021](#)
December 9, 2021

Leveraging the Capabilities of AI: Neurology Trained Providers with Novice Experience Performing Cardiac POCUS in Patients with Acute Brain Injury ▶

[NCS Annual Meeting 2021](#)
October 26, 2021

Use of Machine Learning Software to Guide Focused Cardiac Ultrasound Exams Performed by Novices During the COVID-19 Pandemic ▶

[ASE Scientific Sessions 2021](#)
June 18, 2021

Artificial Intelligence-Guided Novice Acquisition of Limited Diagnostic Echocardiograms: An Assessment of Left Ventricle Systolic Function ▶

[ASE Scientific Sessions 2021](#)
June 18, 2021

Deep Learning-Based Automated Echocardiographic Quantification of Left Ventricular Ejection Fraction: A Point-of-Care Solution ▶

[Circulation: Cardiovascular Imaging](#)
June 15, 2021

Promise and Frustration: Machine Learning in Cardiology ▶

[Circulation: Cardiovascular Imaging](#)
June 15, 2021

AI-Guided Echocardiography System Matches the Image Quality Assessment Ability of Cardiac Sonographers ▶

[ACC Scientific Sessions 2021](#)
May 16, 2021

From Novice to Expert: Beside Echocardiography Using Artificial Intelligence Ultrasound Software for Perioperative Management of a Patient with Hypertrophic Cardiomyopathy ▶

[SOAP Annual Meeting 2021](#)
May 14, 2021

Utility of a Deep-Learning Algorithm to Guide Novices to Acquire Echocardiograms for Limited Diagnostic Use ▶

[JAMA Cardiology](#)

February 18, 2021

Artificial Intelligence–Enabled POCUS in the COVID-19 ICU: A New Spin on Cardiac Ultrasound ▶

[JACC: Case Reports](#)

February 17, 2021

AI-Powered Navigation System for Steering POCUS in the COVID-ICU ▶

[JACC: Case Reports](#)

February 17, 2021

Artificial intelligence–guided image acquisition on patients with implanted electrophysiological devices: results from a pivotal prospective multi-center clinical trial ▶

[ESC Congress 2020](#)

November 25, 2020

Evaluation of a Novel Ultrasound Machine Learning Algorithm in Estimating Left Ventricular Ejection Fraction ▶

[ACEP Scientific Assembly 2020](#)

October 26, 2020

A machine learning algorithm supports ultrasound-naïve novices in the acquisition of diagnostic echocardiography loops and provides accurate estimation of LVEF ▶

[The International Journal of Cardiovascular Imaging](#)

October 8, 2020

Point Of Care Ultrasound (POCUS) Auto EF Computer Learning ▶

[ASA Annual Meeting 2020](#)

October 3, 2020

Artificial Intelligence Guidance of Novices to Obtain Diagnostic-Quality Echocardiographic Images ▶

[ASE Scientific Sessions 2020](#)

August 8, 2020

Acquisition of Diagnostic Echocardiograms by Novices: Results from A Multicenter Pivotal Prospective Clinical Trial Using Artificial Intelligence ▶

[ASE Scientific Sessions 2020](#)

August 8, 2020

Artificial Intelligence and Echocardiography: A Primer for Cardiac Sonographers ▶

[Journal of the American Society of Echocardiography](#)

June 11, 2020

Acquisition of Diagnostic Echocardiographic Images by Novices using a Deep Learning Based Image Guidance Algorithm ▶

[ACC Scientific Sessions 2020](#)

March 28, 2020

Point-of-care cardiac assessment using machine learning to guide image acquisition ▶

[EACVI EUROECHO 2019](#)

December 4, 2019

Automated Guidance and Image Capture of Echocardiographic Views Using a Deep Learning-Derived Technology ▶

[AHA Scientific Sessions 2019](#)

November 11, 2019

Combining Artificial Intelligence With Human Insight to Automate Echocardiography ▶

[Circulation: Cardiovascular Imaging](#)

September 16, 2019

Automated Echocardiographic Quantification of Left Ventricular Ejection Fraction Without Volume Measurements Using a Machine Learning Algorithm Mimicking a Human Expert ▶

[Circulation: Cardiovascular Imaging](#)

September 16, 2019

Automated Echocardiographic Quantification of Left Ventricular Ejection Fraction Without Volume Measurements Using a Machine Learning Algorithm Mimicking a Human Expert ▶

[ESC Congress 2019](#)

September 2, 2019

Evaluation of a Deep-Learning Algorithm Designed to Aid Novice Scanners in Obtaining Diagnostic Quality Echocardiograms ▶

[ASE Scientific Sessions 2019](#)

June 24, 2019

Accuracy and Reproducibility of a Novel Artificial Intelligence Deep Learning-based Algorithm for Automated Calculation of Ejection Fraction in Echocardiography ▶

[ACC Scientific Sessions 2019](#)

March 17, 2019

Innovative Ultrasound Technologies Echogps and Autoef Help Novices Perform Efficient and Accurate Echocardiographic Monitoring in Cancer Patients ▶

[ACC Scientific Sessions 2019](#)

March 16, 2019

Deep Learning Algorithm for Fully Automated Left Ventricular Ejection Fraction Measurement ▶

[ASE Scientific Sessions 2018](#)

June 25, 2018

The product(s) mentioned in the peer-review articles may represent various versions of Caption Health, Inc. products during different points of product development which may differ from the results of the current product. Product claims or results mentioned in the articles may be subject to regulatory clearance or approval and not authorized in all markets. Please check with your local GE HealthCare representative for supported claims and use of the current product version.

© 2024 GE HealthCare. GE is a trademark of General Electric Company used under trademark license.

March 2024

JB28429XX



GE HealthCare