

DIA IMAGING ANALYSIS

DiA is the leading provider of AI-powered ultrasound analysis solutions. Our AI-based technology addresses the two main challenges ultrasound users face today - manually capturing and visually analyzing ultrasound images.

DiA's FDA-Cleared and CE-marked LVivo Toolbox automates this process. Therefore, making the use and analysis of ultrasound images smarter and accessible to all.



All of LVivo solutions are:

- **Cross-platform** - Can be easily added to any PACS viewer, workstation or run behind the scenes on hospital servers or cloud
- **Vendor-neutral** - Supports images from any ultrasound device at the Echo-lab and works with any PACS

“LVivo is fully automated. The ability to do this takes seconds. The analysis is performed, and the strain imaging is then displayed on the bottom.

This is a remarkable tool and today is it reimbursed”



Steve Feinstein, M.D
 Professor of Cardiology
 Rush University Medical Center

LVivo Toolbox advantages



Objective & Automated
 vs. subjective manual or visual analysis



Fast

Full analysis in seconds



Strain reimbursement
 Clinicians in the USA can report and bill for myocardial strain (CPT code +93356)



COVID-19

Reduces scanning time, therefore alleviates bottlenecks and risk of exposure to infection



Cost-effective

Unlimited number of LVivo users on site

Cardiology



LVivo EF



Auto Ejection Fraction analysis is a key indicator of cardiac function, essential in cases of heart failure, shock, chest pain, as well as cardiac and surgical procedures

LVivo RV - NEW!



Auto analysis of Right Ventricle size and function are key indicators of cardiac dysfunction including pulmonary embolism, pulmonary hypertension and heart failure

LVivo Strain



Auto evaluation of segmental and global Left Ventricle (LV) strain is an early indicator for reduced LV function, especially important with patients undergoing chemotherapy

LVivo SWM



Auto evaluation of the Segmental Wall Motion of the 17 muscle segments and indications of the contraction and strain of the various LV segments. Identifying Wall Motion abnormalities is important during and after coronary events

LVivo Seamless - NEW!



Runs behind the scenes to automatically pre-select and analyze the optimal cardiac ultrasound views and presents a second capture alongside a structured report

Abdominal



LVivo Bladder - NEW!



Auto bladder volume calculation that transforms any ultrasound device into an AI-powered bladder scanner

[Schedule a Demo](#)

Our partners



GE Healthcare

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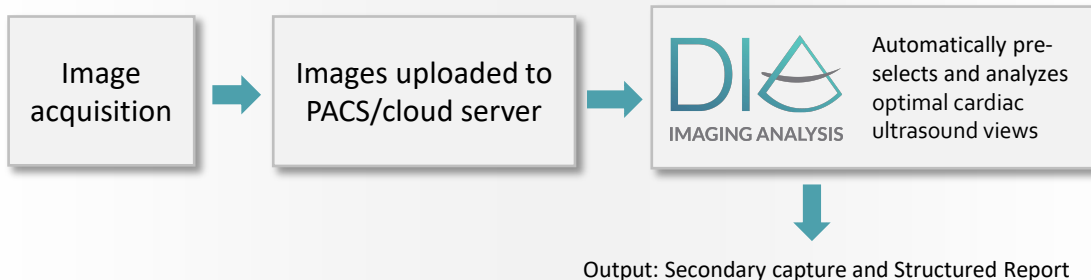


LVivo PACS workflow

- Open any Echo exam on the PACS viewer
- Select relevant views from thumbnails
- Press the "Run" button
- A fully automated analysis and results will appear in seconds



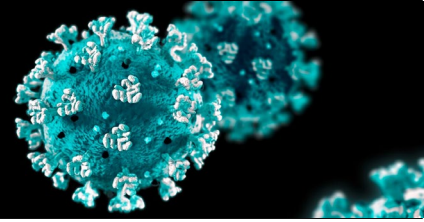
LVivo Seamless workflow:



- Acquire a standard echo exam
- LVivo Seamless runs "behind the scenes" to select the optimal cardiac ultrasound views and generate automated measurements
- The selected views with results are automatically presented on any radiology image viewer, as a secondary capture alongside a structured report



[Schedule a Demo](#)



How COVID-19 affects the heart?

Recent data shows that 51% of hospitalized COVID-19 patients who died had heart damage.¹

ASE and EACVI recommend performing echo exams for both Left and Right ventricles to detect cardiac dysfunction in patients with suspected or confirmed COVID-19.^{2, 3}

DiA's LVivo EF and LVivo RV solutions automate the cardiac analysis process with fast, objective and reproducible results.

New normal

Operating alongside COVID-19 creates a load on sonographers and echocardiographers.

LVivo value during COVID-19



Automated workflow that enables quick analysis of cardiac function



Reduces scan time, therefore minimizes bottlenecks, patient contact and potential exposure to infection

"AI-based tools like LVivo can help alleviate bottlenecks by automating workflows and shortening evaluation times to support faster decisions and minimize unnecessary risk of exposure to COVID-19."

"The RV has always been very difficult to evaluate, due to its unique structure and location. LVivo RV is a welcome and very useful addition to clinicians' toolbox for more quickly and effectively monitoring the right ventricle"



Dr. Noah Liel Cohen,
Department of Echocardiology
Soroka Medical Center



Prof. Anthony DeMaria
Division of Cardiovascular Medicine
USCD Medical Center

1. Shi S, Qin M, Shen B, et al. Association of Cardiac Injury With Mortality in Hospitalized Patients With COVID-19 in Wuhan, China. *JAMA Cardiol.* Published online March 25, 2020. doi:10.1001/jamacardio.2020.0950

2. ASE statement on COVID-19, March 2020

3. COVID-19 pandemic and cardiac imaging: EACVI recommendations on precautions, indications, prioritization, and protection for patients and healthcare personnel, *European Heart Journal - Cardiovascular Imaging*, April 2020