Konica Minolta and DiA Expand AI-based Echocardiography Analysis and Reporting on Exa® Cardio PACS Platform

Wayne, NJ, and Be'er Sheva, Israel, November 10, 2020 – Konica Minolta Healthcare Americas, Inc., and DiA Imaging Analysis Ltd. jointly announce the expanded deployment of the LVivo Cardiac ultrasound artificial intelligence (AI) Toolbox on the Exa® Cardio PACS platform.

Exa users will have access to LVivo Toolbox to perform automated and quantified analysis of the left ventricle to detect cardiac dysfunction in COVID-19 patients in the echo lab and on the frontline, as recommended by the American Society of Echocardiography (ASE) and the European Association of Cardiovascular Imaging (EACVI). With Exa's Zero Footprint Universal Viewer and reporting system, the LVivo EF solution can be used to monitor COVID-19 patients' global heart function on any workstation, reducing patient imaging bottlenecks. Performing this analysis on a workstation rather than the ultrasound system also minimizes patient-staff contact to limit the risk of infection.

Furthermore, Exa users can now perform and bill for reimbursement for myocardial strain imaging when using LVivo Strain.

AI-based solutions such as LVivo Cardiac Toolbox are increasingly being adopted to automate workflow and assist clinicians with objective clinical indications to support their decision-making process. In echocardiography, AI-based analysis tools may also help reduce variability and increase efficiency throughout the analysis process.

Providing these advanced echocardiography tools on Exa enables users to free up the ultrasound system for patient exams rather than performing manual and time-consuming analysis. The LVivo AI-based Cardiac Toolbox is accessible in one click. With Exa Server-Side Rendering, images are instantly available with zero lag time from any Web-enabled computer, including prior studies.

"In the new COVID-19 normal, sonographers and echocardiographers are facing a new challenge in coping with increased procedures in the echo lab while supporting patients on the frontlines," says Noah Liel-Cohen, MD, Echocardiographer at Soroka Medical Center and a co-founder of DiA Imaging Analysis. "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."

Steve Feinstein, MD, FACC, Director of Echocardiography for the Section of Cardiology at Rush University Medical Center (Chicago) says, "DiA's automated, AI-based software provides reliable and fast measurements based on echocardiograms. It's a remarkable advance and a very useful second opinion in the echo lab." Regarding the LVivo Strain analysis solution, Dr.

Feinstein says it only takes seconds to apply. "This is an automated presentation and the analysis is almost instantaneous with the strain image displayed on the bottom. It's a remarkable tool."

The platform includes:

- **LVivo EF** - Auto Ejection Fraction analysis, a key indicator of cardiac function, essential in cases of heart failure, shock, chest pain, as well as cardiac and surgical procedures.
- **LVivo Strain** - Auto evaluation of segmental and global Left Ventricle (LV) strain, an early indicator for reduced LV function that is especially important in patients undergoing chemotherapy. Strain analysis is now a reimbursable exam in the US.
- **LVivo SWM** - Auto evaluation of the Segmental Wall Motion of the 17 muscle segments of the left ventricle. LVivo SWM provides information about the contraction of each of the segments and the global contractility. Identifying wall motion abnormalities is especially important during and after coronary events.

Konica Minolta and DiA will demonstrate LVivo Toolbox during the upcoming Radiological Society of North America (RSNA) 2020 virtual meeting.

About Konica Minolta Healthcare Americas, Inc.

Konica Minolta Healthcare is a world-class provider and market leader in medical diagnostic imaging and healthcare information technology. With over 75 years of endless innovation, Konica Minolta is globally recognized as a leader providing cutting-edge technologies and comprehensive support aimed at providing real solutions to meet customers' needs and helping make better decisions sooner. Konica Minolta Healthcare Americas, Inc., headquartered in Wayne, NJ, is a unit of Konica Minolta, Inc. (TSE:4902). For more information on Konica Minolta Healthcare Americas, Inc., please visit www.konicaminolta.com/medicalusa.

About DiA Imaging Analysis

DiA Imaging Analysis is a leading provider of FDA cleared and CE marked ultrasound AI solutions that make the use and analysis of ultrasound images smarter, faster and accessible to all. The company's LVivo product line for cardiac and abdominal auto analysis allow clinicians with various levels of ultrasound experience to use and analyze ultrasound images on their ultrasound devices or healthcare IT systems with increased speed, efficiency and accuracy. DiA serves thousands of end-users worldwide. For additional information, please visit http://www.dia-analysis.com.

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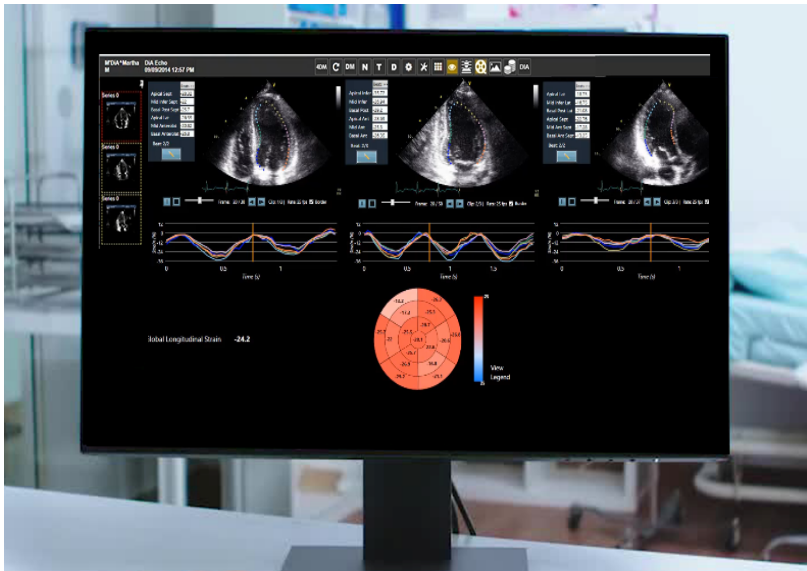
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Caption: LVivo Strain from DiA's LVivo Cardiac Toolbox on Exa® Cardio PACS, providing auto evaluation of segmental and global left ventricle strain, is now reimbursable in the US.

Caption: Auto ejection fraction analysis using DiA's LVivo EF on Exa® Cardiac PACS.

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Caption: Auto evaluation of left ventricle segmental wall motion using LVivo SWM on Exa® Cardio PACS.

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