

# Medis<sup>®</sup> Suite Ultrasound Research Edition

The new vendor independent solution for advanced deformation analysis

Medis Suite Ultrasound is the latest addition to the Medis Suite portfolio for cardiovascular imaging. Based on advanced speckle-tracking technology, we bring you QStrain Echo research edition which provides the latest image post processing tools in advanced cardiac deformation analysis for echo.

#### **Advanced Measurements**

Medis Suite Ultrasound offers quantitative insights in global and regional heart function for research use only.

#### **Workflow Efficiency**

Provides analysis for the Left Ventricle, Left Atrium and Right Ventricle powered by innovative algorithms.

#### **Robust Platform**

The robust Medis Suite platform integrates viewing, advanced analyses and reporting in one workflow for Ultrasound with a further option to also integrate Medis Suite MR and Medis Suite CT.

#### **ULTRASOUND INCLUDES**

- Robust quantitative insight in global and regional heart function
- Innovative Strain analysis
- Innovative Inward Displacement parameter for objective analysis of regional dysfunction
- Innovative Hemodynamic Forces evaluation for early detection of mechanical abnormalities
- Fast contouring and robust speckle Tracking
- Simulated M-Mode





## BASED ON ROBUST AND PROVEN TECHNOLOGY

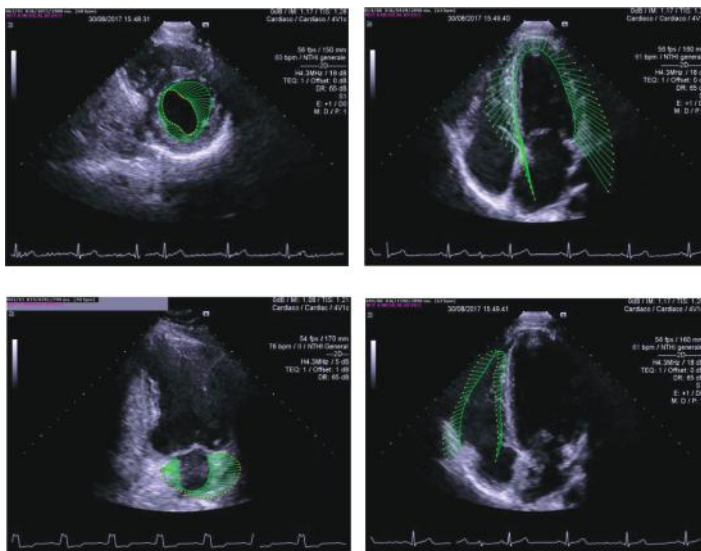
- QStrain Echo is based on technologies that have supported advanced quantitative cardiac deformation analyses in 1400+ clinical research papers throughout the last 15 years
- Includes robust algorithms for feature tracking and quick semi-automated contour detection
- Vendor-independent advanced cardiac deformation analysis

## VERSATILE

- Allows analysis of the Left Ventricle (short and long axis), Right Ventricle and Left Atrium
- Vendor independent solution that allows advanced deformation analysis on images from all major vendors
- Modality independent – the same technology can be used for advanced deformation analysis in CT and CMR images

## ADVANCED CARDIAC DEFORMATION EVALUATION

- User friendly semi-automated contour detection
- Review global and segmental analysis of strain, strain rate, velocity and inward displacement
- Intuitive user interface and interaction with graphs
- Representation of results in 16/17 segment AHA model or segmental curves
- Advanced motion visualization
- Excellent export options for further post-processing of results
- Calculation of Hemodynamic Forces (also known as Intra Ventricular Pressure Gradients) using B-mode cardiac ultrasound acquisitions
- Inward Displacement as a new and robust Left Ventricle function parameter



### Legal Statement

QStrain Echo Research Edition is to be used for research use only, and not for clinical diagnosis. Medis Suite is cleared for market in the US, Canada, Australia, Japan and Europe

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