

RV STRAIN AND STRAIN RATE IN SEGMENT

We at Medviso are happy to present a new version of the Strain module in Segment. The module now includes RV strain analysis and strain rate measurements.

More information about the module can be found at our website <http://medviso.com/products/strain/>. The Strain module is an additional module to Segment, and provided commercially for both research and clinical usage. Please contact sales@medviso.com if you are interested in an evaluation license and a quote for the Strain analysis module.

STRAIN FEATURES

- Both short-axis and long-axis analysis
- Both left and right ventricle (LV and RV)
- Both cine Feature tracking and Tagging analysis
- Radial, circumferential and longitudinal strain
- Peak strain, strain rate, rotation and torsion
- Measurements reported globally and sector-wise
- Strain over time presented in graph
- Strain values presented in 17-segment bullseye
- Export tools for movies, images and strain values

STRAIN VALIDATION

The Strain analysis module has been validated in both phantom data and patient data. The validation have been performed at several different sites, with images from both 1.5T and 3T MR scanners from different vendors. The result show good agreement to the reference standard and with low inter- and intra-observer variability. The latest publication about the module present clinical reproducibility between users for feature tracking strain measurements in cine MR and is found here: <https://www.ncbi.nlm.nih.gov/pubmed/28209163>

SEGMENT NEWSLETTER

You are receiving this newsletter since you are registered as a user of the medical image analysis software Segment. The software Segment is brought to you by Medviso AB in close collaboration with Lund Cardiac MR Group, Lund University, Sweden and Region of Scania, Skåne University Hospital. Segment is freely available for research purposes, provided that you properly refer to the software according to instructions on <http://medviso.com/research/how-to-refer/>

Best regards
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