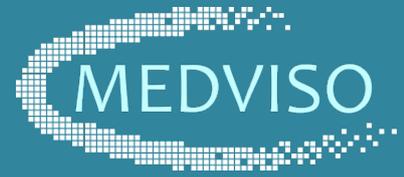


SEGMENT CMR

- Validation and research

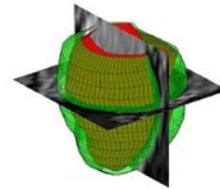


Segment CMR stands on a solid research platform. It is the most validated software for Cardiovascular Magnetic Resonance Imaging on the market.

General image analysis tools

All general tools, such as volume quantification, measurements, data loading, and graphical display are validated and tested for each software version.

Heiberg et al, *BMC MI*, 2010

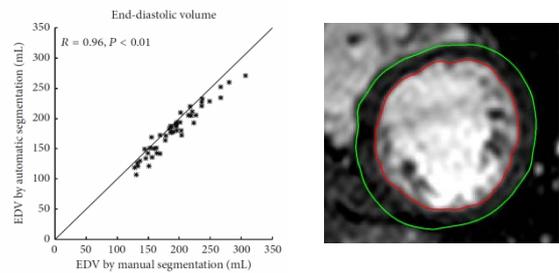


Left ventricle segmentation

Segment CMR have a market leading automated LV segmentation algorithm

Heiberg et al, *CINC* 2005

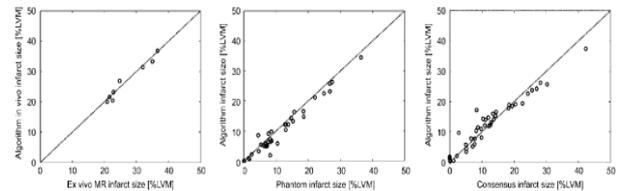
Tufvesson et al, *BioMed Res Int*, 2015



Infarct quantification

Segment CMR is the software on the market with infarct quantification validated versus reference standard.

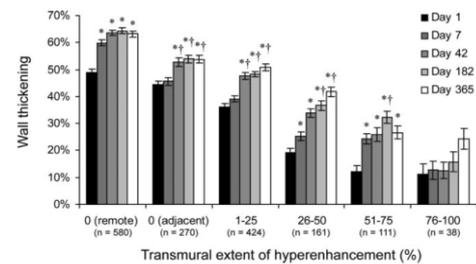
Heiberg et al, *Radiology* 2008



Wallthickening

Wallthickening and regional function have been used and validated in multiple research studies.

Engblom et al, *Circ Cardiovas Imag*, 2009

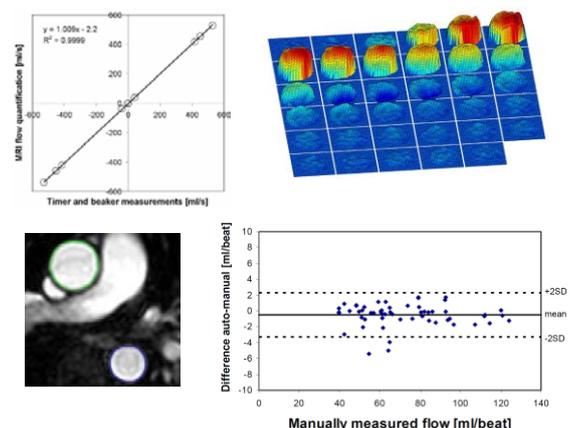


Flow

Accurate flow quantification is crucial for evaluation of valve function and shunts. Flow quantification including eddy current compensation and anti aliasing have been carefully validated.

Heiberg et al, *SCMR*, 2007

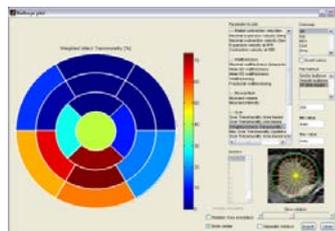
Heiberg et al, *BMC MI*, 2010



Bullseye representations

Validated bullseye representations of scar transmurality and wallthickening.

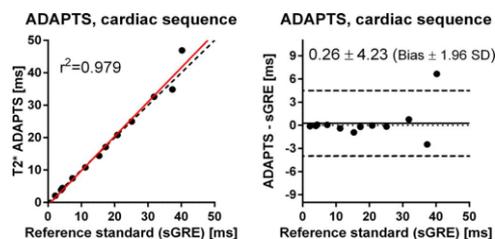
Cain et al, *CPFI*, 2005



T2* quantification

A new hybrid algorithm validated against computer phantoms and patients.

Bidhult et al, *Magn Reson Med*, 2015



RESEARCH COMMUNITY

SEGMENT CMR is based on the software SEGMENT which is used by more than 300 research groups worldwide. About one peer reviewed publication where SEGMENT have been used is published per week. In total there are over 500 publications. <http://www.medviso.com/research/publication>



+ many more



BACKGROUND

Medviso AB was founded in 2007 by Associate Professor Einar Heiberg as a spin-off from research at Lund University Sweden. SEGMENT CMR bears the CE marking of conformity and is FDA 510(k) approved with device number K163076.

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