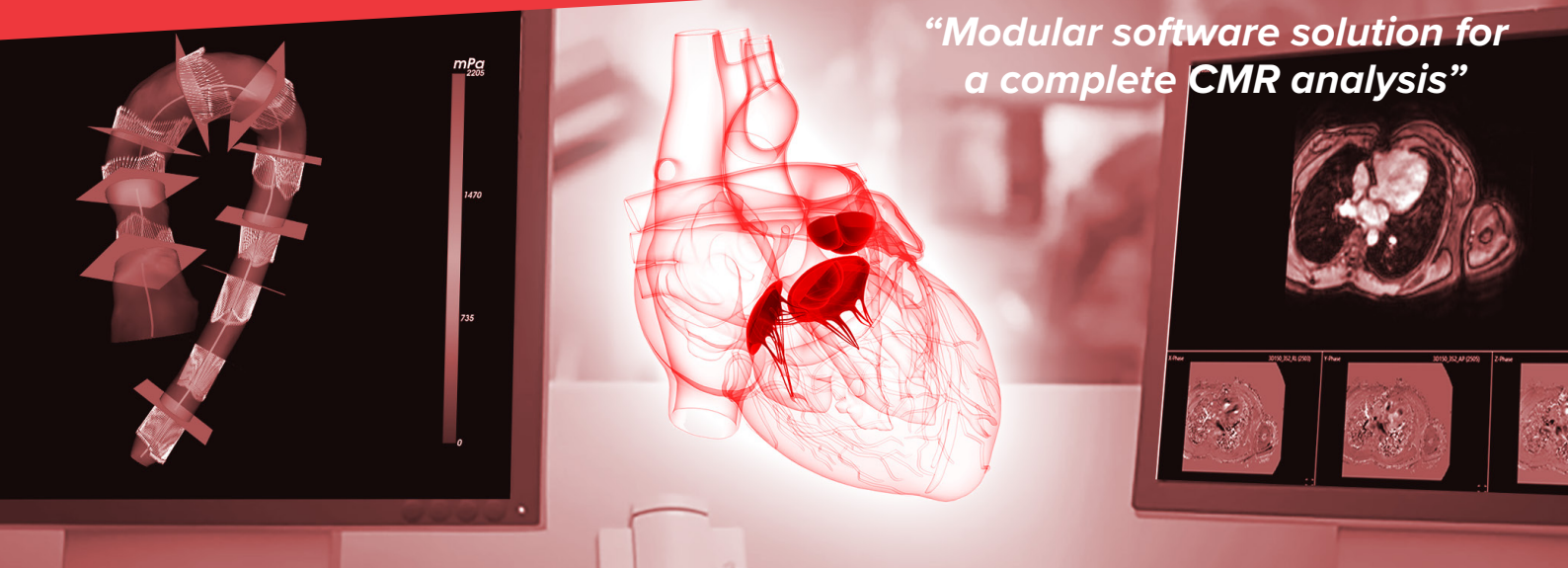


Caas MR Solutions



Cardiovascular MR analysis made easy

Caas MR solutions facilitates your clinical decision making based on cardiovascular MR imaging. This all-in-one solution provides modular validated workflows that lead to reliable and reproducible results in a few easy steps.

Key product features



Short analysis time



Acquisition on all major vendors



Easy PACS connection



Accurate and complete reporting

System requirements

Intel Core 5 processor equivalent or higher, 8GB RAM memory, SSD hard drive, Graphics Card that supports at least OpenGL 3.3, colour screen - resolution at least 1280x1024, operating system: Windows 7 SP1 or higher

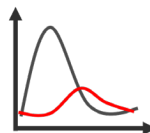
Dedicated workflows for step-by-step analysis (modular approach)



2D and 3D viewing



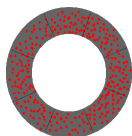
Functional



Perfusion



Viability



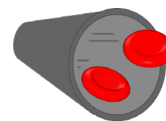
Tissue Mapping



4D Flow Heart



4D Flow Artery

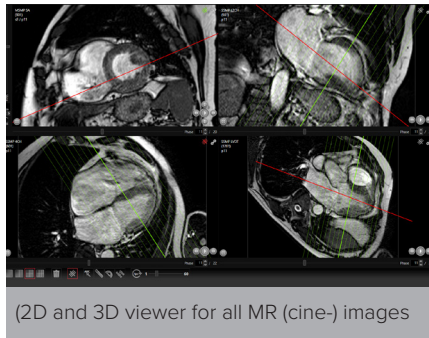


2D Flow

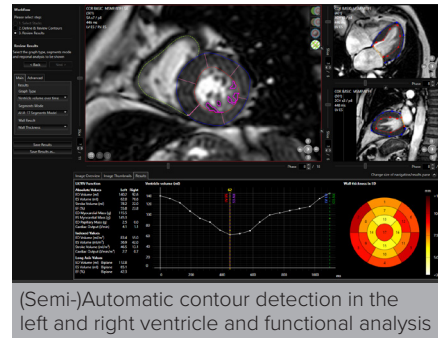
Caas MR Solutions

Ventricular analysis

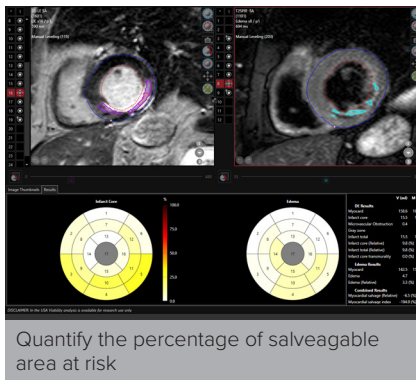
Accurate and fast (semi-)automatic segmentation methods on long and short axis provide an accurate and reproducible assessment of ventricular function, myocardial viability and perfusion and tissue characterization.



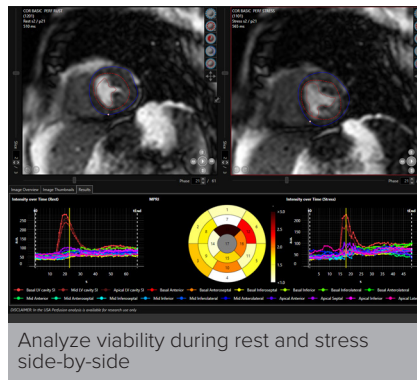
(2D and 3D viewer for all MR (cine-) images



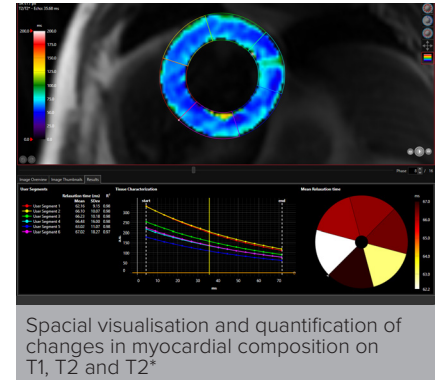
(Semi-)Automatic contour detection in the left and right ventricle and functional analysis



Quantify the percentage of salvageable area at risk



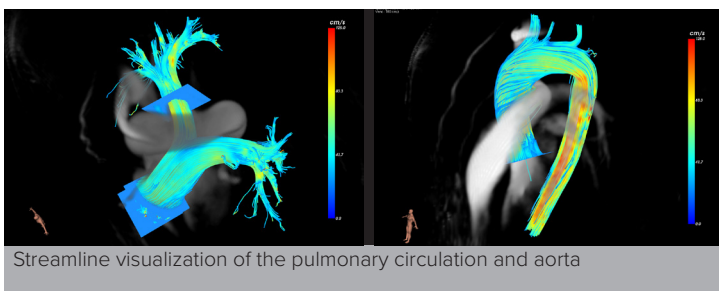
Analyze viability during rest and stress side-by-side



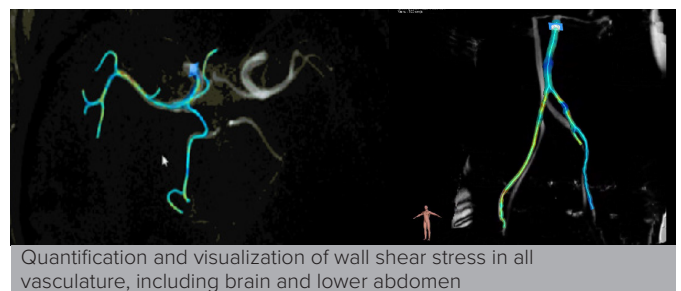
Spatial visualisation and quantification of changes in myocardial composition on T1, T2 and T2*

Quantitative flow analysis and visualisation

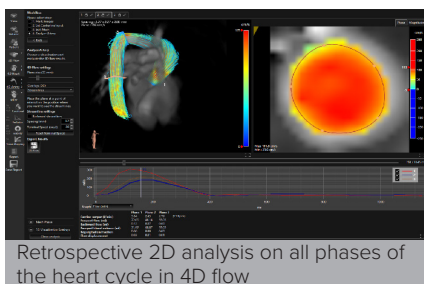
Caas MR 4D flow workflows offer novel mechanistic insights in normal versus abnormal flow patterns and aim at quantifying hemodynamic imaging biomarkers which may offer novel therapeutic targets and contribute to early detection of heart failure, aneurysm, dissection, valve dysfunction and other pathologies.



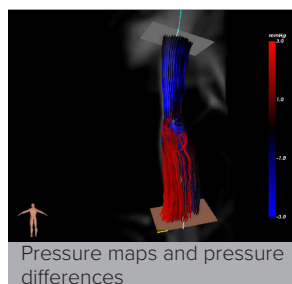
Streamline visualization of the pulmonary circulation and aorta



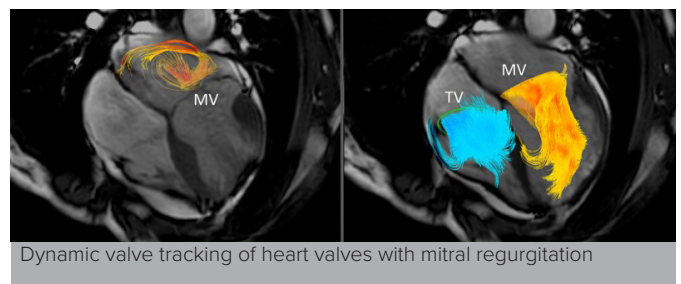
Quantification and visualization of wall shear stress in all vasculature, including brain and lower abdomen



Retrospective 2D analysis on all phases of the heart cycle in 4D flow



Pressure maps and pressure differences



Dynamic valve tracking of heart valves with mitral regurgitation



Scan QR code for more information or demo license.

Pie Medical Imaging develops, produces and sells products in accordance with international accepted standards. Caas MR Solutions is CE marked (MDD compliant).

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