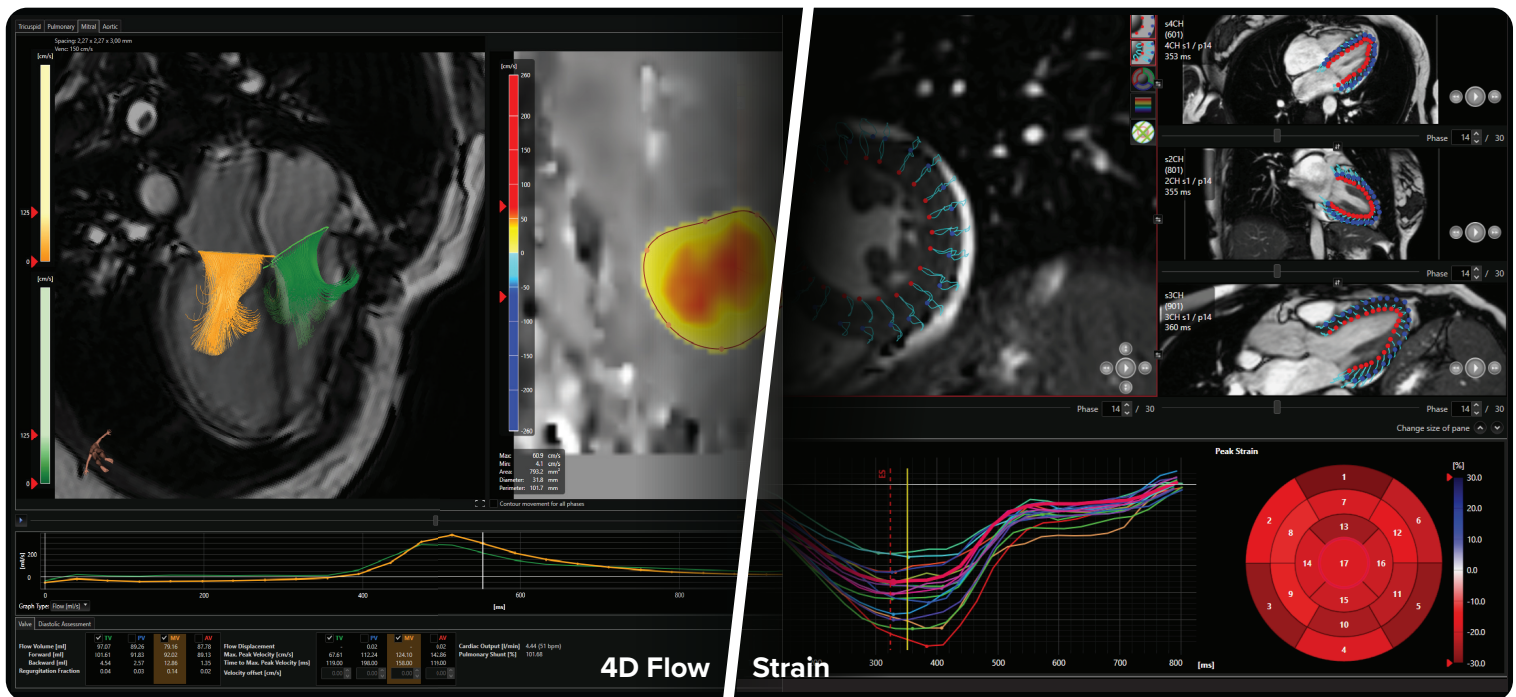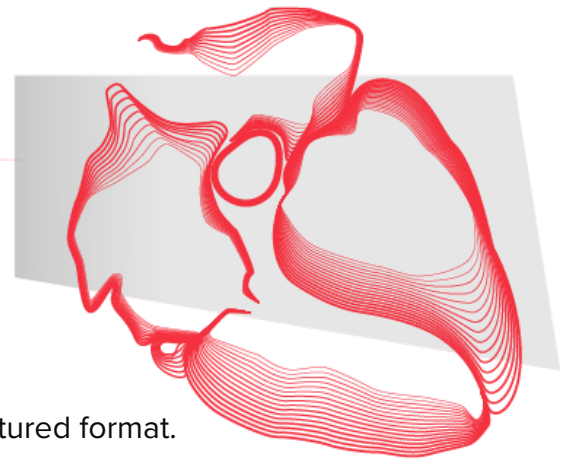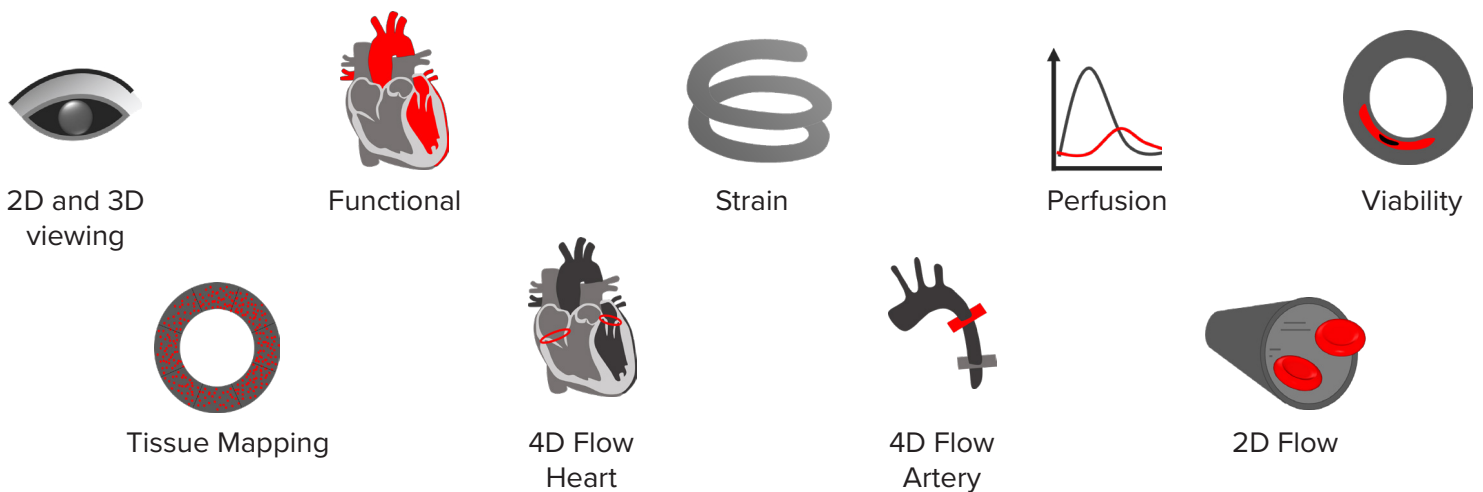# Caas MR Solutions

Cardiovascular MR analysis made easy

- **All-in-one solution** optimized for clinical cardiac MR analysis.
- **Vendor agnostic:** analyze all your multi-vendor images.
- Automated workflows enable **reliable and reproducible** visualization and quantification of complex image data in a structured format.
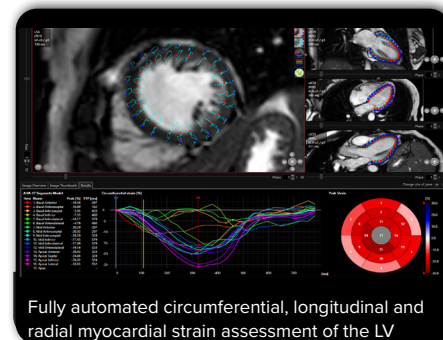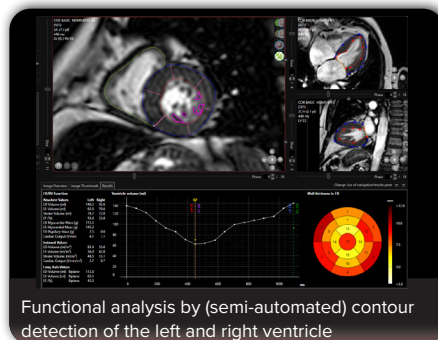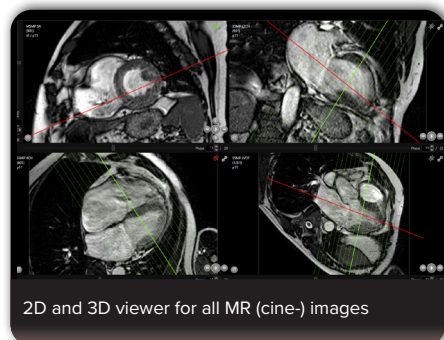- Caas MR supports **clinical decision making** based on cardiovascular MR imaging.

4D Flow **Strain**

Dedicated workflows for step-by-step analysis.

2D and 3D viewing

Functional

Strain

Perfusion

Viability

Tissue Mapping

4D Flow Heart

4D Flow Artery

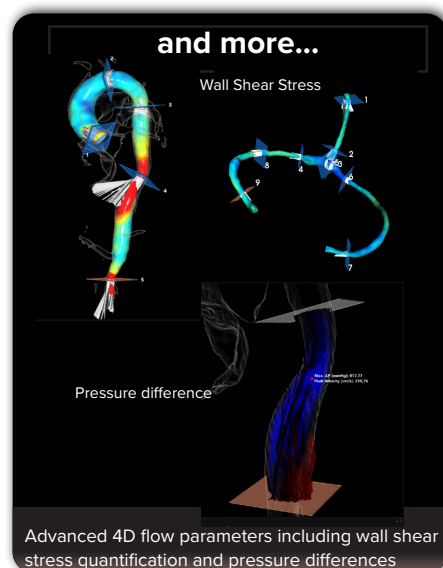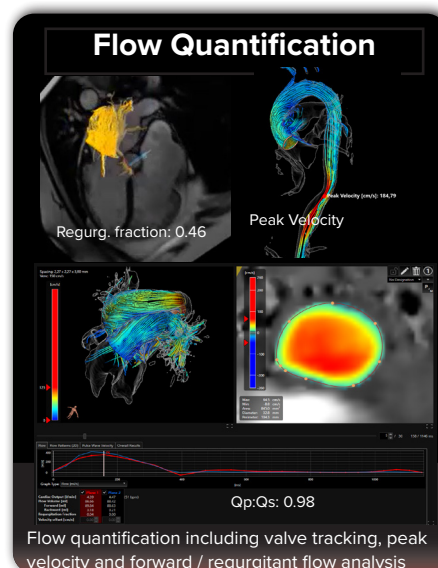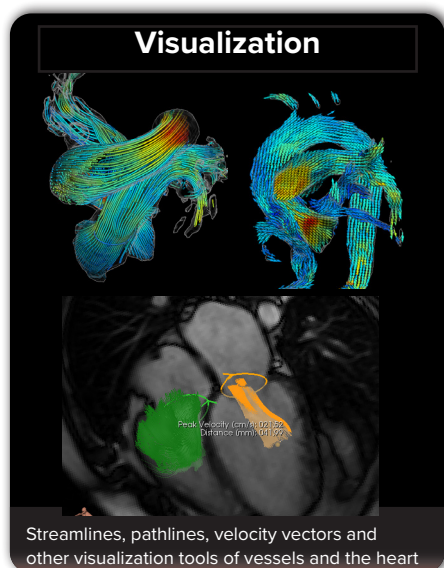2D Flow

Caas MR Solutions

Function and MR strain

Precise and prompt (semi-)automatic segmentation techniques, applied to both the long and short axes, yield a reliable and reproducible evaluation of ventricular function and myocardial strain.

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

Functional analysis by (semi-automated) contour detection of the left and right ventricle

Fully automated circumferential, longitudinal and radial myocardial strain assessment of the LV
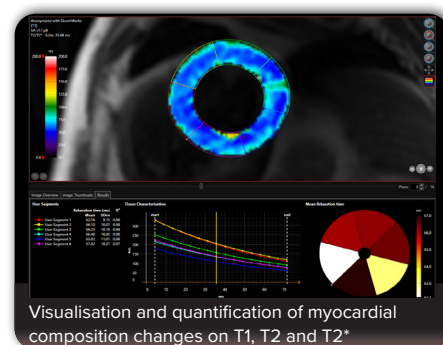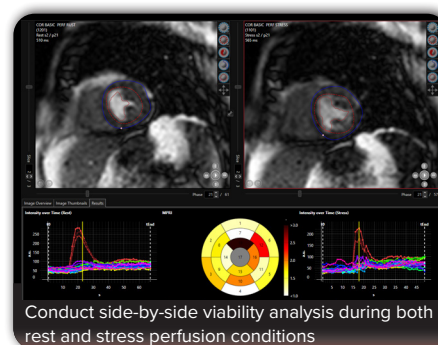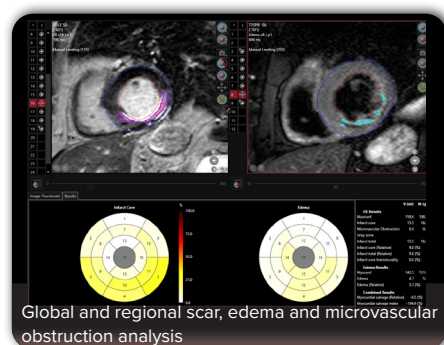
Flow Analysis

The Artery and Heart workflows enable users to easily visualize and perform comprehensive flow analyses with a few clicks, enhancing diagnostic capabilities and aiding in the strategic planning of treatments for complex cardiovascular pathologies.

Visualization

Streamlines, pathlines, velocity vectors and other visualization tools of vessels and the heart

Flow Quantification

Regurg. fraction: 0.46
Peak Velocity
Qp:Qs: 0.98
Flow quantification including valve tracking, peak velocity and forward / regurgitant flow analysis

and more...

Wall Shear Stress
Pressure difference
Advanced 4D flow parameters including wall shear stress quantification and pressure differences

Tissue Characterization

Qualitative and quantitative analysis of T1, T2 and T2* images, rest and stress perfusion and viability.

Global and regional scar, edema and microvascular obstruction analysis

Conduct side-by-side viability analysis during both rest and stress perfusion conditions

Visualisation and quantification of myocardial composition changes on T1, T2 and T2*